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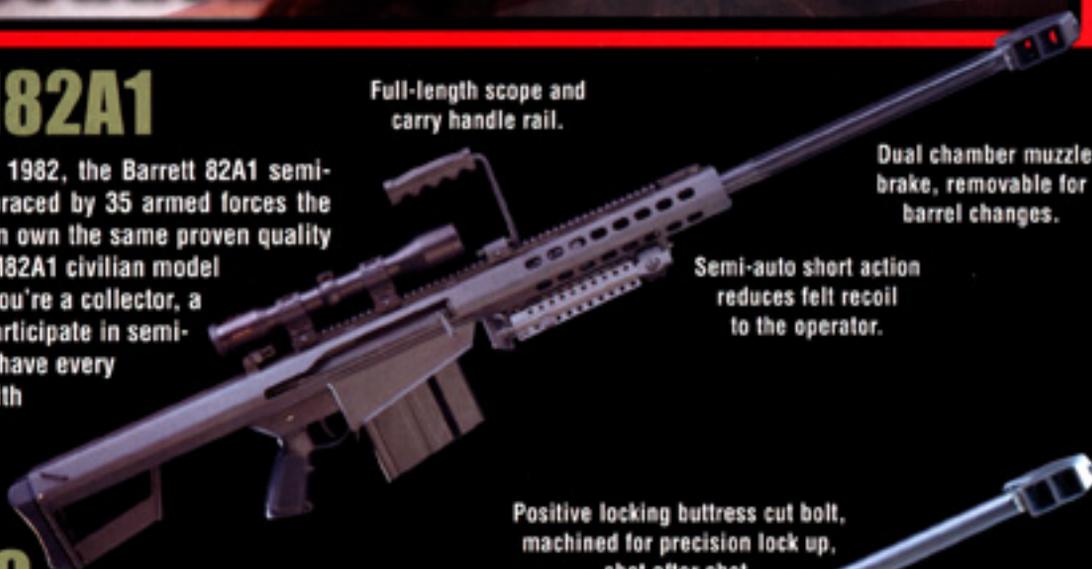
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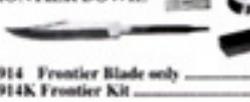
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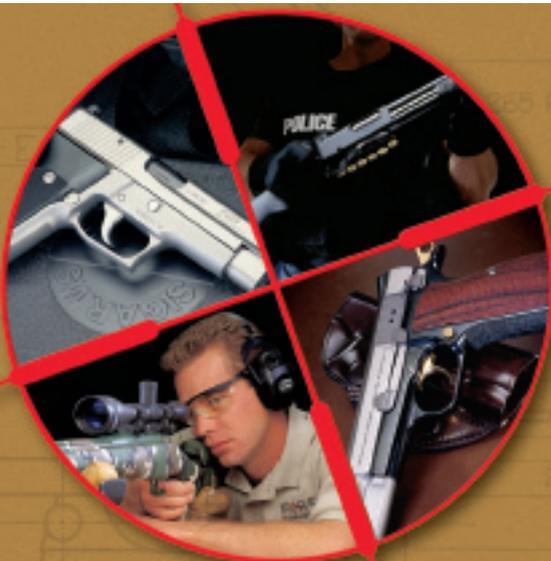
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LAPD's

New

Kimber

Custom II



Photo By: Gary Paul Johnston



Photo By: Gary Paul Johnston

A former **SWAT** officer examines **LAPD's** selection of a special **Kimber 1911 .45** for team issue.

By Gary Paul Johnston
Photos By Ichiro Nagata

Following the Watts Riot of 1965, along with the escalation of drugs, violence and organized crime in Los Angeles and across the country, the Los Angeles Police Department created a special unit to deal more efficiently with critical incidents. In 1967, the first element of this unit was in place. Called the Special Weapons and Tactics team, it formed the acronym that has influenced law enforcement around the world — SWAT.

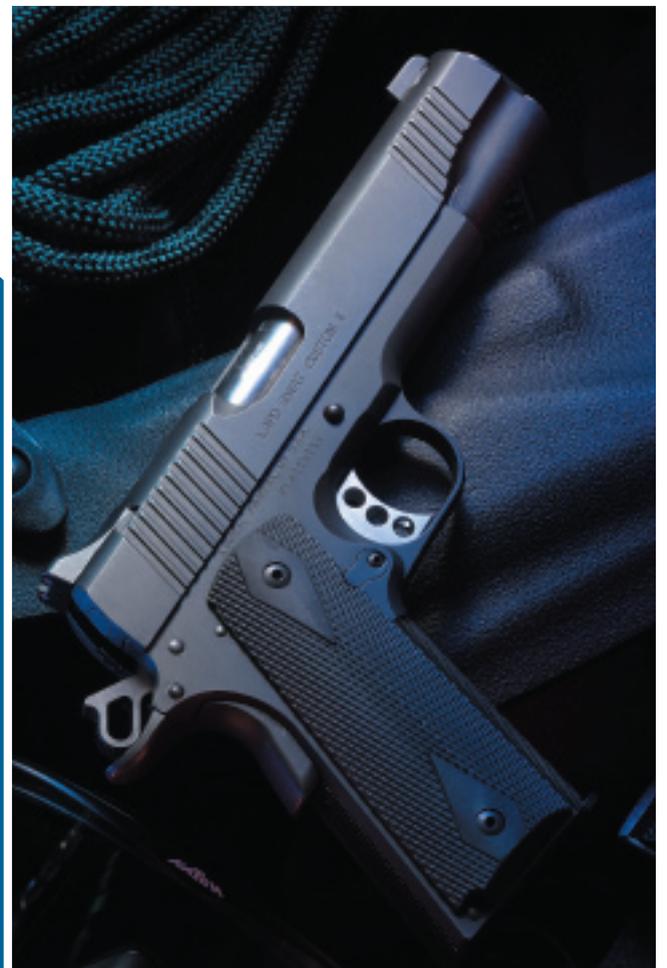
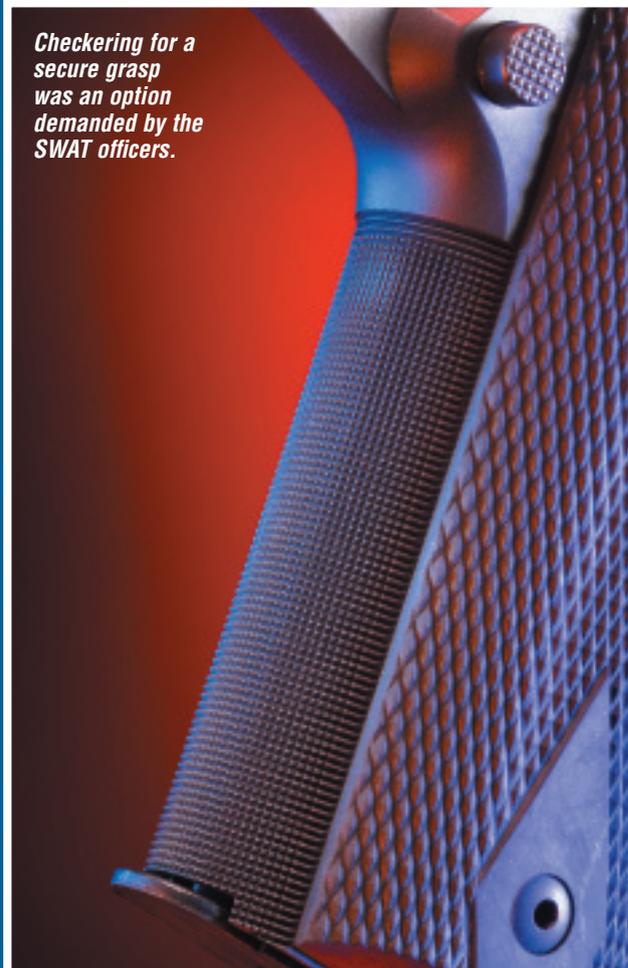
Operating out of the LAPD's highly specialized Metropolitan Division, today's LAPD SWAT team continues to define the cutting edge of this ever-changing science of resolving crisis incidents and saving lives. It's for this reason the LAPD SWAT team remains the most respected group of its kind in the world.

Some years back, there was a bumper sticker that read, "When people are in trouble they call the police. When the





Checking for a secure grasp was an option demanded by the SWAT officers.





It's a tough job but somebody's got to do it. LAPD SWAT officers break in their newly issued Kimbers.

police are in trouble they call SWAT!" As LAPD SWAT's Lieutenant, Mike Albanese, says, "We're the last ones to call. There's nobody else. The buck stops here."

Beginning as a group of volunteers within the Los Angeles Police Department, the SWAT team was made up of officers who furnished much of their own equipment including their own weapons. Wanting something better than standard-issue .38 Special revolvers, SWAT officers sought permission to carry .45 ACP caliber, model 1911 pistols.

SWAT Selects The .45

Well-known for its excellent handling and reliability, the model 1911 is just as respected as the .45 ACP cartridge it fires. Long a legend for its fight stopping power, this cartridge and pistol entered service with the U.S. military in 1911, and served for a half-century, through the Vietnam War.

Still as popular as ever, this combination is now replacing the 9mm pistol with many U.S. Special Forces operators in Afghanistan.

Budget limitations prevented the LAPD from purchasing 1911 pistols for issue, and SWAT received permission to make use of sidearms from the Property Division. Selecting from pistols that had been confiscated or turned in, these guns were augmented by 1911s some officers

<h2>Kimber Custom TLE II</h2>	
Caliber:	.45 ACP
Velocity:	850 fps
Operation:	Short recoil, single action, semiautomatic
Barrel Length:	5 inches
Overall Length:	8.24 inches
Weight:	39 oz.
Feed Device:	7-shot box magazine
Safety:	Positive thumb safety, grip safety, and firing pin safety
Sights: (front) (rear)	Combat blade with Meprolight dot "U" notch, drift adjustable, with two Meprolight dots
Grips:	Black checkered rubber
Finish:	Matte black

purchased themselves. Throughout its 35-year history, the LAPD SWAT team has never purchased .45 ACP model 1911 pistols — until now.

During their long tenure with SWAT, the unit's 1911 pistols have all but worn out. Even with regular repair and replacement when available, there has been the problem of total uniformity with 1911 type pistols of various makes, vintages and fin-

ishes, and with a variety of sights and other parts. This problem resulted in the decision to purchase new pistols in early 2002.

Testing Commences

In its search for a new 1911, the LAPD established several performance criteria. At the top of the performance list is reliability. The pistol must work every time, all the time. It must also be "combat accurate."



Given the importance of low light capability, one of the two pistols issued to each officer is delegated to use with the SureFire 610R.

Accuracy Chart

.45 ACP Cartridge	Muzzle Vel.	Smallest Group	Largest Group	Average
Federal 230 gr. Tactical	851 fps	2.2"	2.38"	2.31"
Hornady 185 gr. JHP	1,043 fps	2.04"	2.22"	2.16"
Winchester 230 gr. FMJ	846 fps	1.93"	2.19"	2.07"
Winchester 230 gr. JHP	852 fps	1.56"	1.85"	1.79"
Combined Average:				2.09"

These results reflect five, 25-yard, 5-shot groups.

While the definition of this term varies, any pistol that will reliably group into 4 inches at 25 yards, with flawless reliability, meets my personal definition of combat accurate. Stopping power is another selection criteria, and with the right load, the .45 ACP cartridge takes care of this factor by itself. Other considerations include safety, sights, trigger, and ergonomics in general.

Selecting what it considered the best of the best, the LAPD SWAT team chose five major manufacturers of the 1911 to test. However, it serves no purpose to list all these makers here. As one would expect, the testing was rigorous, with every aspect of the pistols tested and evaluated one against the other. One by one, the guns were eliminated until the Kimber emerged as the preferred choice.

Interestingly, the Kimber 1911 model tested by LAPD SWAT was not one of

the top-of-the-line Kimber Custom Shop .45s, but rather Kimber's entry level 1911 — the Kimber Custom II.

All The Trimmings

A "plain Jane" 1911 by Kimber standards, the Custom II still comes with plenty of special features. These include fixed combat sights (dovetailed front sight), rounded (no-bite) speed hammer, stainless-steel throated barrel, polished feed ramp, lowered/flared ejection port, 4-pound trigger, extended thumb safety, "beavertail" grip-safety, beveled magazine well, and black checkered rubber grips. The Custom II is probably the most .45 ACP 1911 for the money ever offered.

Included on this and all Kimber pistols is the Mark II firing pin safety system. Operating via the grip safety, the Mark II is independent of the trigger, and cannot affect trigger pull. When the grip safety is

depressed, the firing pin safety is deactivated. When the pistol is not gripped, the firing pin safety is applied automatically.

The LAPD SWAT Team specified two additional options to be included on its new issue pistol. These were Kimber's tritium MeproLite night sights, and 30 LPI checkering on the front strap. The right side of the slide would be roll marked LAPD SWAT along with a special serial number range beginning with KLA114. This stands for Kimber, Los Angeles and the LAPD SWAT's call numbers.

Role Of A SWAT Sidearm

While sidearms are the primary defensive weapons for officers on patrol, they are normally secondary on tactical SWAT callouts where shoulder fired arms take over. This is true any time a police officer responds to a probable deadly-force incident, where the shotgun or patrol carbine

is the weapon of choice. However, if a carbine, submachinegun, or shotgun should fail during a SWAT crisis resolution, the pistol must be instantly available at the officer's side to take over. In this sense it's a backup weapon, but this isn't its only function.

Because of the myriad circumstances they face, SWAT officers must be able to adapt and overcome. If circumstances preclude the use of a long gun, an officer may use his pistol. This may occur when opening a door, carrying a shield or a mirror, handling a K-9, or when searching tight spots. Here, a weapon mounted light is vital, and thus each of the LAPD's 80 SWAT officers were issued two Kimber Custom II .45 ACP pistols.

SureFire And Safariland

Originally designed for the 1911 by Dr. John Matthews, President of SureFire, and LAPD SWAT Armorer Bob Weber, the SureFire Classic 610R Tactical Pistol Light has been used by LAPD SWAT for over 20 years. A 6-volt light, the 610R provides 60 lumens of blinding brightness to identify a target, and will often subdue a suspect without having to fire a shot.

Mounting to a special, extended slide stop, this light is locked by a set screw. In addition to a manual on/off switch, squeezing the grip during a normal hold activates the 610R. Rugged and robust, the Classic 610R is the tactical handgun

light of choice for professionals who use the model 1911 pistol.

Since mounting the 610R requires several minutes of installation, one of the SWAT-issue Kimbers is a dedicated light gun. The second Custom II, sans light mount, becomes the SWAT cop's uniform pistol for regular patrol.

The different roles of the two Kimber pistols require two high grade holsters, and Safariland holsters are SWAT's choice. Issued for general patrol is Safariland's excellent Model 6004, Level II retention holster. Housing the lighted Kimber Custom II is Safariland's equally fine Model 6004 Tactical rig. Molded of tough synthetic, this holster has a matte pebble grain finish and is designed with an enlarged section to precisely fit the mounted SureFire tactical light.

First Issue

In July 2002, I covered the initial issue of the Kimber Custom II to the LAPD SWAT Team, at its Metro Division headquarters. There I had a chance to become acquainted with a number of the men who do the LAPD's toughest job. Frankly, there are no finer police officers anywhere on the face of the earth. As befits their role, they display total confidence, yet I found them all to be humble, honest, and humorous.

During five hours of intensive shooting on the huge indoor range at the LAPD's

new Davis Center, many thousands of rounds of .45 ACP Winchester 230 grain FMJ and Law Enforcement-only 230 grain Ranger SXT were fired through the Kimber Custom II pistols. The SWAT Team uses only factory .45 ACP ammunition for both practice and duty, with Winchester 230 FMJ for practice and Winchester SXT JHP carried on patrol.

As gun smoke and empty brass casings filled the air, impressive groups appeared on targets from 5 to 25 yards as the men moved from one firing line to the next and back again. None of these LAPD SWAT Kimber Custom II pistols received any special treatment before being issued, nor had they seen the inside of the Kimber Custom Shop.

Other than their special markings, night sights, and checkering, all were standard Kimber Custom II model pistols just like the one I own. After being test fired with 65 rounds each and targeted from fixtures, they were shipped to LAPD SWAT.

The day after the LAPD SWAT team tested their new Kimber pistols, one 5-man team spent the afternoon at the department's special training facility. This "Tactical Town USA" allows the simulation of events where both shoulder arms and service pistol might be required. As the team ran through scenarios, the half-dozen cameras present snapped hundreds

continued on page 18

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HAMMER OF THOR — M72 LAW

By Dick Williams



Equipping today's soldier is no simple challenge. He fights in a variety of environments — from deserts to mountains to city streets. He must face and defeat a variety of threats. Weapons continue to grow in weight, cost and sophistication, and the individual soldier can't carry every conceivable thing he might need in a fight. With just his basic load, he frequently feels more like a pack mule than a high tech fighting instrument.

Admittedly, he depends on other, specialized units for some of the support he needs, like armor, air power, and artillery. But sometimes, when the action is fast and furious, there's no time for a "phone call," and the soldier may find himself in need of something with a bit more pop than his primary weapon.

The lightest weight, lowest cost, most compact weapon in today's inventory that fulfills this need is the improved M72 LAW — the Lightweight Anti-Armor Weapon — from Talley



Portability is one of the M72's most important qualities. These ski troops are not unduly hindered by the LAW, yet they benefit from the presence of a heavy-hitting ace in the hole.

Defense Systems in Arizona.

Thirty Years In Service

Many readers are familiar with the LAW, either through their military service in the 1970s, when the original M72 was the basic issue anti-armor weapon, or from scenes in Hollywood action movies. Today's LAW is much improved in performance and ease of use, while retaining the small size and weight that is vital to the soldier's mobility and agility on the battlefield.

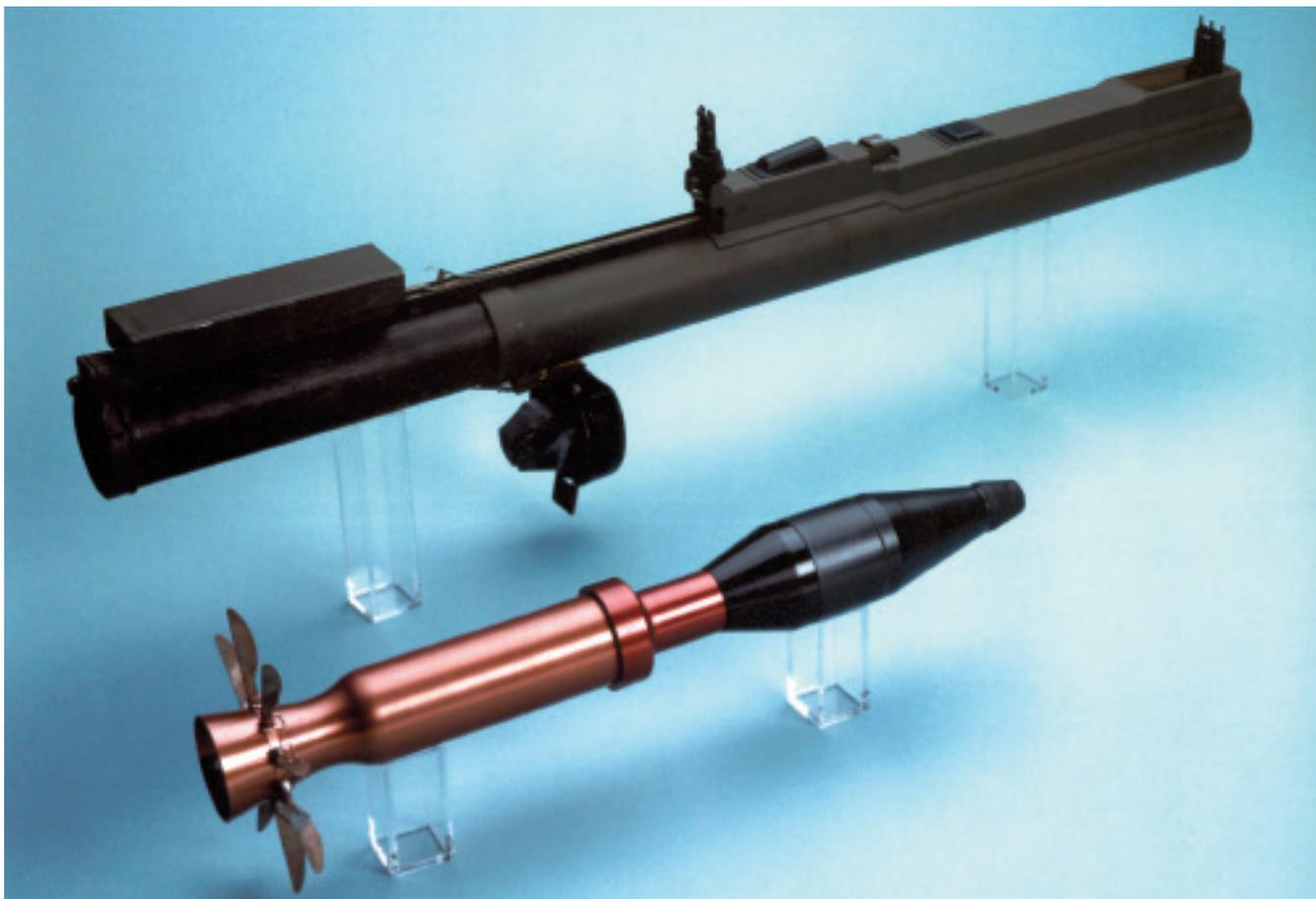
Keeping in mind that the basic rule of any gunfight is to bring a gun, the M72 at 31 inches in carry length and 8 pounds in weight is the big bore weapon you are most likely to have with you when things get out of control. Other options for providing the individual soldier with his own personal piece of artillery are almost twice as heavy and half again as long as the M72. Whether he's jumping out of planes, helicopters, vehicles, or just diving through doorways, a pair of M72s on the soldier's ruck leaves him more mobile than carrying any available alternative.

Let's look at the M72 up close and personal.

Multi-Role Munition

Originally designed as an anti-armor system, the improved M72 can be used against a variety of targets, particularly in





the urban environment. The M72's round is 66mm in diameter and leaves the muzzle at a velocity of 200 meters per second. The round consists of a rocket motor and a warhead. Choice of warheads is much like commercial bullet selection; it depends on whether you want to maximize penetration, or effects behind the target entry point.

Penetration through armor of the various M72 warheads ranges from 150mm

to 355mm and is achieved by utilizing different shaped explosive charges. Effective range is 200 to 350 meters depending, as always, on the shooter's skill. The round is "dumb," meaning it is not guided, which makes it much less expensive than a guided "smart" round. The round's dispersion is 1.50 mils at 250 meters. In essence, it goes wherever it's pointed when it leaves the tube, giving each soldier the ability for precision

delivery of explosive energy on close quarter combat targets.

Make Ready

The launcher has two rubber end caps which prevent damage during the rough and tumble handling that occurs in a soldier's world. A carrying strap that allows the weapon to be slung like a rifle is attached to the breech end of the launcher and at the rubber cap covering the muzzle. When the soldier is ready to fire, he removes the sling and muzzle-end cap, and extends the disposable launcher tube from the stowed position of 31 inches to the firing length of almost 39 inches.

The breech-end cap rotates downward and is placed against the shooter's shoulder like the butt of a rifle stock. As the tube is extended, the adjustable rear peep sight and post front sight pop up from their protective enclosures and present themselves to the shooter. New models of the M72 feature a Picatinny rail on which the soldier's night-vision sight can be mounted.

The trigger system has been upgraded over the years resulting in reduced trigger force and greater consistency between launchers. It's not like a match rifle or handgun, but it's pretty good. There is a mechanical safety lever that must be set before the weapon is fired. If the soldier chooses not to fire, the weapon can be



The M72 is light and compact but strikes a blow like the hammer of Thor.

uncocked, and the launch tube returned to the stowed position.

Dragon By The Tail

When fired, the rocket motor burns out completely in the launcher tube so the shooter is not exposed to any back blast as the round exits the muzzle. Recoil from firing the M72 is very low and essentially imperceptible to the gunner. And while the rocket motor exhaust plume behind the shooter appears violent and frightening, it is moving away from the shooter and is felt as a short duration overpressure.

Most soldiers quickly learn to handle these firing effects and can shoot the weapon with great accuracy. Once fired in combat, the soldier would retrieve his night sight, if one was used, then break the empty launcher tube so it can't be reused by a resourceful enemy for any other purposes. Making the launcher a one-shot, disposable weapon means lighter weight, lower cost, simplified logistics and no maintenance costs.

Training Simulator

Although the launcher tube cannot be reloaded with an all up 66mm round, the used launcher can be made into a trainer that fires a low cost, 21mm practice round. The sub-caliber trainer rocket has no warhead but does have a tracer to show the gunner where his shot hits the target. After conversion to a trainer, the launcher can be reloaded multiple times with these smaller training rounds.

To do this, a smooth bore metal barrel is fitted inside the fired launcher. The 21mm training rounds are loaded into the barrel and fired by means of a percussion primer, as is the all up 66mm round. The trainer must be cleaned every few rounds to ensure new rounds may be inserted into the tube, but there is no limit to the number of training rounds that can be fired in the re-built launcher.

Actually, there is a limit, but it's not based on the number of rounds fired. It depends on how long the launcher tube survives constant handling in training sessions, including opening and closing the launcher. Besides being an extremely simple and low cost trainer, the sub-caliber round closely replicates the noise and blast the shooter experiences from the all-up round.

In addition, when the fired launcher has been refitted as a trainer and is loaded with the 21mm rocket, it duplicates the weight and feel of the combat weapon. Special Forces trainers have praised the use of this system as opposed to the use of a pistol round for training and spotting purposes.

Constant Upgrades

As is the case with any weapon, improvements are being developed and tested for the M72. One of the hazards of launching any rocket motor is the rearward blast. There is a cone shaped area

behind the M72 launcher tube that must be cleared of personnel when the weapon is fired. If that rearward blast is contained within an enclosure, as would happen if the soldier fired the weapon from inside a room, the blast effect is magnified and can severely incapacitate any personnel present.

With an increased emphasis on fighting in cities — often identified as Military Operations on Urban Terrain, or MOUT — the probability of a soldier having to fire from within an enclosure increases. One solution is to have a counter mass, in this case a gelled material, inside the launcher that is ejected from the rear of the tube when the rocket is fired and dissipates quickly. In such a system, propellant burns completely within the launcher, and the warhead and counter mass are balanced so that no recoil is imparted to the shooter.

You still don't want to be standing directly behind the tube when the gel exits, but the blast effect on personnel inside the room is greatly reduced. As always, there is no free lunch. Using the counter mass propulsion system increases the weight of the M72 by 1 to 2 pounds. But there are trade-offs possible between weight and performance that might be appropriate for the much shorter ranges typical of the MOUT environment.

Have It Your Way

An additional capability currently getting a great deal of attention from the military is the use of thermobaric material in existing weapons. The idea is to tune the warhead so that the blast or heat effect of the weapon can be selectively enhanced or extended. This appears to be particularly valuable when dealing with an enemy in enclosed spaces, as in caves or tunnels, since the enclosure itself can enhance the weapon's effect. One of the Marine Corps' heavier



Low cost training options ensure troop familiarity when the balloon goes up.

shoulder launched weapons has already been upgraded to include a thermobaric warhead, and studies are underway to examine the prospect of bringing this capability to the M72.

Clearly the M72 is not meant to be the individual soldier's primary weapon, since it is a non-reloadable, throwaway piece of hardware. Like a handgun, it's versatile, lightweight, and easy to carry. At 8 pounds in weight and 31 inches in length, it is more likely to be carried by the individual soldier, meaning it is more likely to be available when needed than any weapon even remotely close to its level of performance.

When you're operating in a hostile environment, and all around you the feces is striking the rotor blades, you'd trade a rendezvous with Jennifer Lopez for the comforting feel of this 8-pound piece of artillery strapped to your ruck.



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LAPD SWAT

continued from page 11

of photos, mine included.

Shots Fired

Shortly after returning home, I received a sample LAPD SWAT Kimber Custom II to test for myself. The pistol was identical to the one I had seen in the hands of the LAPD SWAT operators. Shooting it brought no surprises, as the gun performed as perfectly as my personal Kimbers.

In shooting various brands of .45 ACP ammunition, including Winchester SXT Ranger, I experienced no malfunctions. My test sample printed about 2.5 inches high at 25 yards. Accuracy was excellent, with the best 5-shot group measuring just 1.56 inches.

Installing the SureFire tactical light made low-light target identification instant, and the MeproLite night sights made hits a cinch. With the adoption of the Kimber Custom II, the LAPD SWAT team finally has a brand-new, top grade 1911 pistol that is not only uniform, but is also markedly safer than the one previously carried.

Late-Breaking News

The bad news is these specially marked Kimbers are restricted to the LAPD only. However, just before we went to print on this story, Kimber announced it will offer a special version of its Custom II pistol, with the same checkering and MeproLite night sights as the LAPD SWAT pistol.

Although Kimber cannot mark these special series pistols with the LAPD SWAT designation, it has marked the slide of the pistol "CUSTOM TLE II, the "TLE" denoting Tactical Law Enforcement." This is the closest you'll ever get to owning the Kimber pistol that is the choice of this elite group of men.



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Got an AR? Here's the lowdown on some of the best additions and upgrades to make the most of your rifle.

Best Dressed AR

By Zachary Foster

*T*he AR-15/M-16 series rifles, after a somewhat rocky early start, have become phenomenally successful. In addition to being U.S. Government issue, and

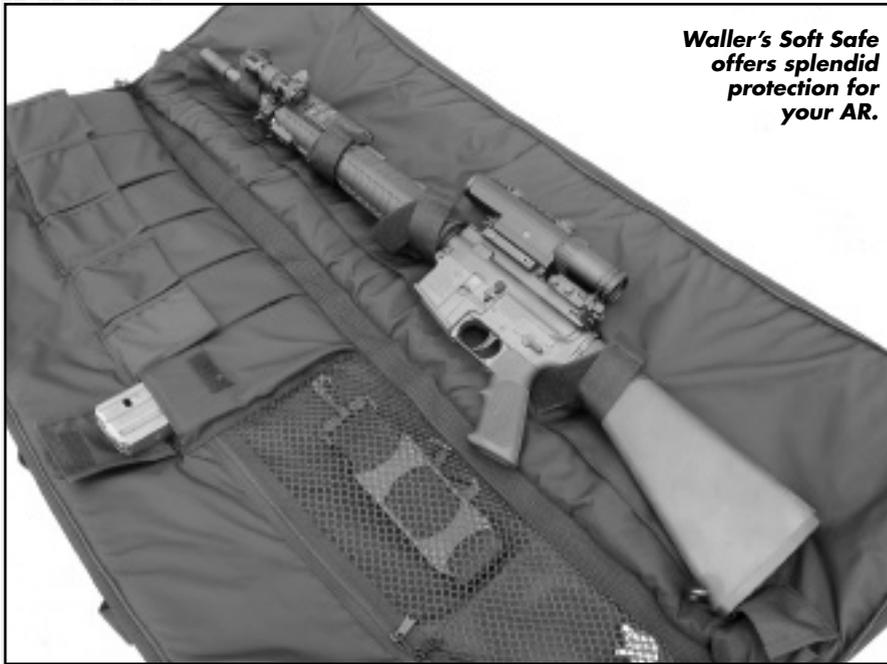
seeing distribution around the globe to friendly governments, they've become the dominant rifle used by domestic law enforcement agencies. Commercial versions have also been wildly popular, despite legislative efforts in recent years to slow their proliferation.

Why all this success? Because the ARs are easy to shoot, light recoiling, reliable, available in compact carbine versions, and they usually exhibit surprisingly good accuracy. The current generation guns are extremely capable, and have spawned a host of after-market accessories.

Nature, they say, abhors a vacuum. The same might be said of the U.S. commercial environment. A truly superior or widely distributed product soon sees a swarm of accessory items offered for it.



When caught between a tight spot and a dark place, a SureFire light mount is a lifesaver.



Waller's Soft Safe offers splendid protection for your AR.

Some of these are merely efforts to make a fast buck, while others address a weakness or expand the capability of the basic rifle.

Only you can determine whether the products profiled in the following pages would enhance your rifle for your specific uses. What we can tell you is these are good additions — from the simplest magazine dust cover to the exotic CQ-T combat optic. Give 'em a look and decide for yourself which items are must-have additions for your AR.

SureFire M511 Weapons Light

Unlike a handgun, it's extremely difficult to operate a long gun in conjunction with a hand-held flashlight. Dr. John Matthews of SureFire corrected this problem in the early 1980s when he introduced his first weapons light, the model 628, designed for the H&K MP-5.

Matthews is a dedicated and tireless innovator. Along with his engineering team, he has continually improved and expanded the SureFire line. The SureFire M511AB weapons light for the AR-15 is the result of this constant, evolutionary improvement.

In the early 1990s, I had occasion to work with then state-of-the-art SureFire weapons lights mounted on carbines and subguns. The lights were extremely good, but there was room for improvement.

The current generation M511AB is more shock resistant and far brighter than those SureFire units of a decade ago. A 9-volt light, the M511 uses three, DL123A lithium batteries conveniently stacked into a "battery magazine." The result is not just more and brighter light, but faster battery changes when required.

Other improvements include a constant "on" switch in addition to the normal momentary switch. Using your support hand to open a door or control a suspect no longer means losing your light. In addition, the M511 also features a lockout function to prevent inadvertently draining batteries during storage or transport.

The M511AB installs easily, without tools. Two lamps are provided, giving you the option of 125 lumens light output for one hour, or a searing 225 lumens for 20 minutes. The light beam coincides beautifully with the sights.

The SureFire weapons lights aren't cheap. They are, however, beautifully designed and extremely effective. Currently, television and print media is full of images of U.S. troops and high-risk law enforcement team members armed with ARs. Take a close look and you'll spot the SureFire lights mounted on their rifles. If the SureFire is good enough for them...

The SureFire M511AB weapon light for the AR-15 retails for \$500. For more



If your sick AR can't be fixed with this armorer's kit from Brownells... it can't be fixed.

information, see www.surefire.com, or call them at [800] 828-8809.

Badger Ordnance Tactical Latch

In general, all controls on the AR series rifles are well-placed and easy to use. One that occasionally causes problems is the charging handle latch. When used as intended, with the fingers of the strong hand grasping both sides of the charging handle, it always operates perfectly.

But try to operate it with the weak hand only, while keeping the rifle shouldered and on target, and you'll find it's a bit more awkward. It's also difficult to use when operating a "flattop" AR fitted with a telescope sight. This is the rationale behind Badger Ordnance's Tactical Latch.

The Tactical Latch installs easily, with no modification to your rifle. It projects out to the left side of the rifle, and offers a far larger contact surface for the fingers. According to Badger Ordnance, these are in service with the U.S. Marine Corps' Force Recon, U.S. Navy Seals, U.S. Army Rangers and Special Forces, as well as the DEA, FBI, and Secret Service.

It's a good piece of kit, and priced right too, at \$18.95. See Badger Ordnance's Website: www.badgerord.com, or call them at [816] 455-3704.

Armalite NM Front Sight And Stage Two Trigger

Good sights, and a crisp trigger of reasonable weight (along with a little skill), make the difference between a good shooting rifle and one that won't "keep 'em in a bucket" at 50 paces. AR-15 sights are good to start with, especially those of the later A-2 series. Armalite, Inc., well known for producing superior AR type rifles, offers two must-have additions to improve both the sighting and trigger characteristics of your AR.

When it comes to sights, we're speaking of the Match front sight post. This post measures only .055 inch in thickness, as opposed to the .075 inch of the standard front sight. The difference is a much better, finer sight picture on distant targets. If you are principally an iron sight shooter, the Armalite Match front sight post is indispensable.

Many gunsmiths, both professional and shade tree, will readily take your money to perform a "trigger job" on your AR. While a truly talented 'smith can adjust your stock trigger components, it is a very easy job to make a mess of. I've personally experienced the "pleasure" of testing a newly completed trigger tune on my AR, only to find I was suddenly in possession of an unregistered full-auto firearm. Not exactly what I had in mind.

The way to avoid this headache is to order a new parts set specifically designed to produce a superior trigger release. Armalite offers a "Stage Two NM Trigger Group." These components are beautifully machined and carefully hardened. Our test sample dropped right into place with no fussing or fine-tuning required.

After approximately 500 rounds, when the new components have seated in, a very slight adjustment may be required to reduce creep and optimize the quality of trigger pull. Excellent written instructions are provided, and the advanced amateur can probably accomplish this task himself. If not, it's an easy job for a qualified gunsmith.

On our sample rifle, installation of the Stage Two kit dropped the trigger release from a heavy, creepy 6.5 pounds, to a crisp 4.75 pounds. This is a significant and very worthwhile improvement.

If you are a real rifleman, and know the satisfaction of "pinwheeling" those distant targets, you'll find these components from Armalite to be worth their weight in gold.

Retail for the NM trigger group is \$180, and the NM front post, a paltry \$12. Contact Armalite at [800] 336-0184, or on the Web: www.armalite.com.

Ciener .22 Rimfire Conversion

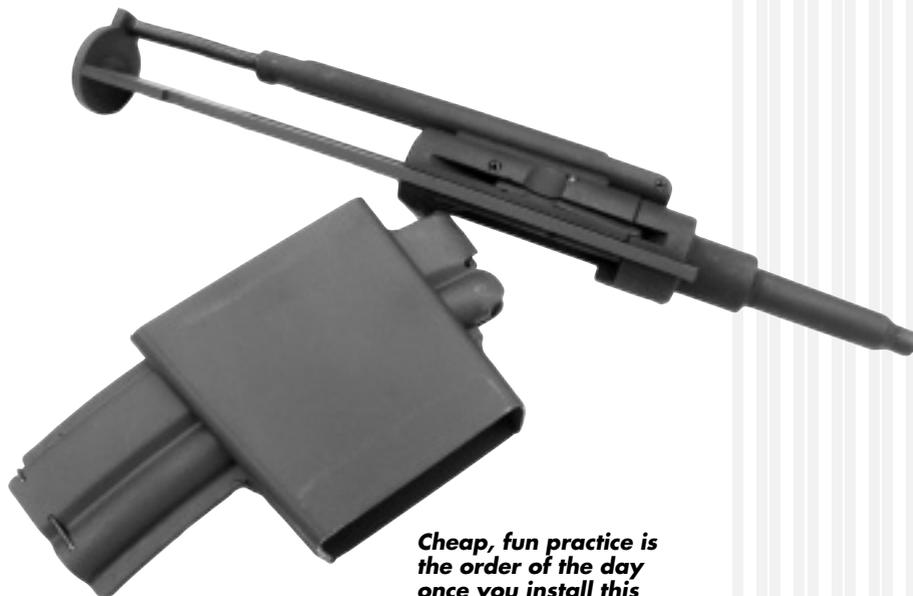
Thankfully, 5.56x45mm (.223) ammunition is among the least expensive centerfire rifle ammo sold in the U.S.A. However, the cost does add up in a hurry. You can't learn to be a superior rifleman without burning a lot of ammunition. And you can't expect to retain your skills without regular practice.



Simple and effective describes Badger Ordnance's Tac-Latch.



The NM front sight from Armalite will improve your shooting.



Cheap, fun practice is the order of the day once you install this Ciener conversion kit.



Trigger perfection arrives from Armalite in a tidy green box.

Here's where the "Atchisson" .22 long rifle conversion unit from Johnathan Arthur Ciener comes into play. This inexpensive device (\$139), takes the place of your normal bolt and bolt carrier. A substitute magazine accepts the .22 long rifle cartridge. Now you're ready to enjoy 100 rounds of rimfire practice for around \$4 in cost, as opposed to \$30 for the same quantity of centerfire ammo. Sound appealing?

I've used several of these Ciener units over the years in a number of different rifles. The performance has been uniformly good. An occasional failure to feed, or a failure to fire — common to all semiauto rimfires — were the only problems noted, and they were infrequent. Accuracy is more than acceptable. Groups at 25 yards run perhaps 1.5 inches, and hits on plinking targets at 100 to 150 yards are easy.

One caution is necessary regarding these units. After use, and before installing the original bolt carrier assembly, you must thoroughly scrub the bore. The slightly undersize, soft lead .22 long rifle projectiles can lead the bore significantly. A careful scrubbing will remove this leading, and is also your proof the bore is unobstructed.

The Ciener conversion is a great accessory, and will allow you to keep your shooting skills sharp. Order yours directly from J.A. Ciener. The Web address is: www.22lrconversions.com, or call them at: [321] 868-2200.

Leupold CQ-T

The stock iron sights on your AR have much to recommend them. They're rugged, capable of excellent precision, and with a little training, they're very fast. But try to use them at dawn or dusk, or in the dark confines of a rundown building, and you'll be cussin'.

A number of optical sights have been used on the AR-15 with varying levels of success, but there's a new option that has them all beat. Think of rifle optics and the first name that pops into your brain housing group is Leupold.

The new Leupold CQ-T (Close Quarters-Tactical) is a highly versatile sighting system optimized for close to mid range use. Magnification is variable from 1x to 3x. The reticle is a circle-dot arrangement. This reticle pattern permits extremely rapid target acquisition up close, yet can be used on indistinct point targets at relatively long range.

A number of interesting features distinguish the CQ-T. The reticle may be illuminated to 10 different levels of brightness. Two of these settings are quite dim, and are designed to avoid overpowering night vision gear. At its brightest, the brilliant orange reticle makes for lightning fast hits on combat targets in indistinct lighting. With the CQ-T, if you can see it, you can hit it... fast.



M33 handguard and vertical foregrip from First Samco.



Leupold CQ-T is the ultimate combat optic for your AR.

Wilson tactical sling and light mount.



nents — even including the barrel — may be readily replaced by the average owner if the right tools are on hand. Try to use the wrong implement, and you can easily damage your valuable AR.

Brownells, the standard gunsmith's supply house, has fielded so many calls regarding correct tooling for AR-15/M-16 armorers, that they have assembled a complete kit of everything required. Thirty-seven items, packaged in one compact briefcase, comprise everything you will need. Add a workbench with bench vise and you're in business.

Contents include roll pin starting punches, roll pin drive punches, conventional pin- and starting-punches, long and stubby Magna-tip® screw-driver handles coupled with the correct selection of driver bits, and interchangeable-point snap ring pliers. A travel cleaning rod, M-16 combo tool, AR-15/M-16 barrel blocks, specialized rear- and front-sight adjusting tools and headspace gauge are all items you'll need. You won't find these at the local Ace Hardware, but they're included in the Brownell's kit.

Other tools include two torque wrenches, ballpeen hammer and non-marring mallet, shop apron, plastic organizer boxes, and a soft, oil-proof work surface. The briefcase includes space for service documents and manuals, as well as a heavy-duty shoulder strap.

These AR-15/M-16 kits are extremely

The unit is powered by one AA battery, installed in a quick-change magazine. Picatinny rails on the top and right hand side of the CQ-T allow the co-axial mounting of flashlights, lasers, or other accessories. The CQ-T is compatible with both carrying handle and flattop equipped ARs. For flattop mounting, an optional mounting bracket is required.

The CQ-T is impressive. Its ruggedness far exceeds that of the other electro-optical sights commonly mounted on the AR-15/M-16 platform. And unlike most of them, if the battery goes south at a critical moment, you still have a functioning reticle. If you are considering some manner of advanced sighting system for your AR, don't commit until you've examined the CQ-T. It is truly superior.

First Samco Forend And Vertical Grip

The firm of First Samco imports a number of AR-15 accessories designed and produced in Israel. Perhaps the most interesting is the M-33 handguard for CAR and M-4 carbine variant ARs.

The M-33 features dual Picatinny rails, at the 12- and 6-o'clock positions. The unit may also be positioned in such a way as to place the rails at 3- and 9-o'clock. The rails are concealed by close-fitting covers when not needed, providing a comfortable grasping surface. With the covers removed, any standard Picatinny/Weaver rail accessory may be readily mounted. As an example, the M-33 is photographed with First Samco's VG1 vertical foregrip.

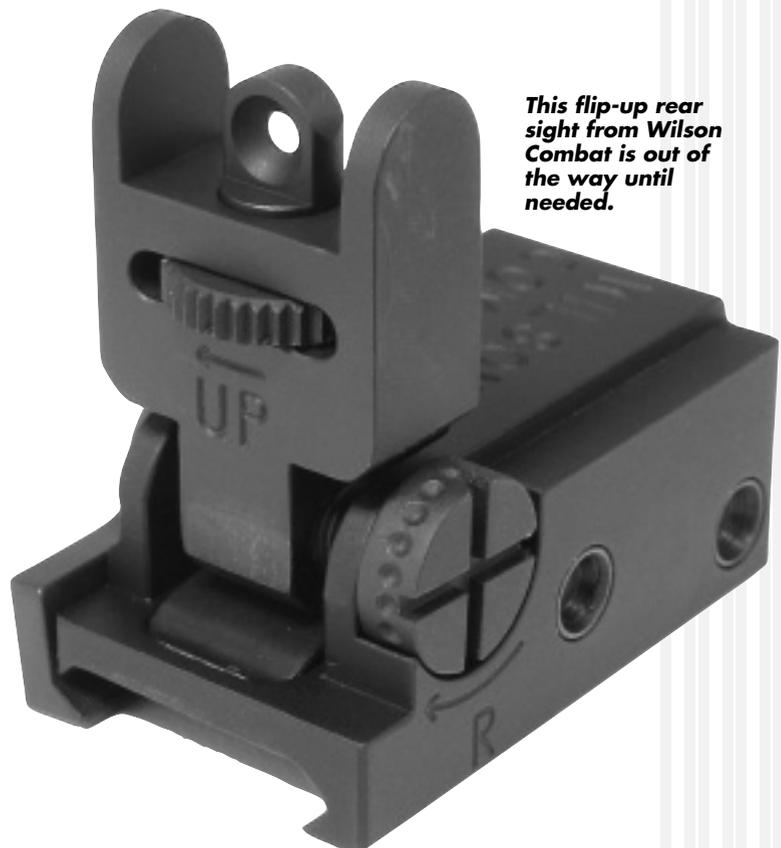
Vertical foregrips have become very popular with the "high-speed" types in recent years. They facilitate CQB work, enable better support of a rifle or carbine fitted with numerous heavy accessories at the muzzle, and eliminate the undesirable

habit of grasping the magazine with the support hand when firing.

The M-33 handguard retails for \$79.99, the VG1 foregrip at \$49.99. Contact First Samco at [215] 355-2621, or on the Web: www.fobusholster.com.

Brownells AR-15/M-16 Armorer's Kit

The AR-15/M-16 series rifles are extremely easy to work on. All compo-



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popular with law enforcement agencies. If you are a dedicated AR shooter, and like to keep your rifles in tip-top condition, you'll find one of these kits will save a lot of trips to the gunsmith. If you're already a handy sort of a guy, and have some tools on hand, be aware you can buy the components of this kit (as well as any gunsmithing tool or supply) individually from Brownells.

Retail for Brownells AR-15/M16 armorer's kit is \$781. Call [800] 741-0015, or see the Website: www.brownells.com.

Advanced Technology Magazine Covers

Okay, let's keep this one short and sweet. Today's ARs tend to work very well, provided they're used with good ammunition and good magazines. Once you've tested your AR, and verified that it functions correctly, the easiest way to make it malfunction is to introduce dirt and debris into the action.

This is surprisingly easy to do. Luckily, it's also easy to prevent. Stop what you're doing right now and call Advanced Technology at [859] 873-9877 to order their clear magazine covers. These fit snugly on your AR magazines, and prevent the intrusion of dust or dirt.

A package of four costs only \$7.99 — cheap insurance. Advance Technology can also be reached on the Web: www.at-gunstocks.com.

Wilson Combat Auxiliary Rear Sight And Light/Sling Mount

Wilson Combat is highly regarded for custom 1911s, but they also offer some pretty slick combat shotguns and AR-15s. Wilson has now made available the same custom components they use in building up their exotic ARs.

Even if you regularly use an optical sight of some type, you should consider having iron sights in reserve. Some optical sights (like the Leupold CQ-T), are significantly more rugged than others, but unintentional abuse can suddenly put them out of action.

Wilson's new reserve rear sight (model TR-FURS) attaches easily to any flat top receiver. In the folded position, it's extremely compact, standing only 5/8 inch tall and 2 1/2 inches in length. The sight is easily snapped to the upright position, without the need to press a release button.

Windage and elevation are both click adjustable, and the rear sight aperture is shielded by wings to prevent damage. This unit is all steel, and about as tough as an anvil. It's a great addition to your flat top AR.

The second item from Wilson Combat

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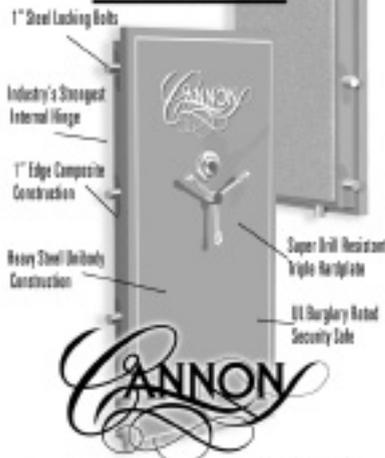
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Type 95 Assault Rifle, Squad Auto, and KBU88 Sniper Rifle

Caliber:	5.8x42mm		
Barrel Length:	18.23" Rifle	21.93" Squad Auto	25.1" Sniper Rifle
Velocity:	3,050 fps Rifle,	3,182 fps Squad Auto	3,231 fps Sniper rifle
Weight:	7.16 lbs Rifle	8.7 lbs Squad Auto	
Length:	29.37" Rifle	33" Squad Auto	36.2" Sniper rifle
Feed:	30 round box or 75 round drum. Sniper rifle: 20 or 30 round box.		
Effective range:	400 meters Rifle	600 meters Squad Auto	800 meters Sniper rifle
Reliability rate:	Rifle 0.4% (equal to AK family) Squad Auto 0.1%		
Method of Operation:	Gas, short stroke piston, 3-lug rotating bolt, selective fire		

Chinese 5.8x42mm Cartridge Specifications

Overall length:	58mm
Case length:	42.2mm
Projectile length:	24.2mm
Projectile weight:	64 grains
AP core length:	15.9mm
AP core diameter:	4.08mm
AP core weight:	22.6 grains
Case:	Copper washed steel
Primer:	Berdan
Velocity:	Rifle — 3,050 fps Squad Auto — 3,182 fps

Remarks: Also produced is a heavy ball loading for use in the QJY88 GPMG and a sniper load for use in the KBU88 sniper rifle.

L to R: Projectiles of Chinese 7.62x39 PS, 5.56x45 SS109, 5.8x42, 5.45x39, Chinese 7.62x54 LPS.



One aspect of modern war that cannot be overlooked is the importance of sniping. China's new KBU88 sniper rifle is slated to replace the venerable SVD Dragunov in PLA service.

As an American child of the Cold War, it's difficult not to think of the U.S.S.R. as our primary threat. However, times change. Today, the U.S.S.R. only exists in our memory, and now we're friends with the Russians. While it's interesting to keep an eye on Russian small arms developments, as they seem to have an abundance of gifted designers, there is another country we should be more concerned with — China.

Unfortunately, while there's a wealth of information on Soviet/Russian small

INTEL REPORT: China's New 5.8x42mm Weapons Complex



AUGUST 23RD -
SECURITY REMAINS TIGHT. STILL
UNABLE TO SECURE PHOTOGRAPHS.
HAVE DECIDED TO MAKE SKETCHES
FOR NOW. OVERHEARD PLA
REFRIGER INQUIRING ABOUT MG
IN THE LOBBY. MUST LEAVE SOON.

arms, the same is not true of modern Chinese weapons. Embarking on a program to delve behind the bamboo curtain, I learned there have been significant changes made in Chinese small arms. What I found may surprise you.

The Chinese began extensive research and development of domestic designs as early as 1958. This led to the 1st (Type 63 and Type 74) and then 2nd (Type 81 and Type 87) generations of Chinese small arms. In the last 20 years, especially since the Open Door policy, China has made significant progress in small arms development. This has culminated in the design and adoption of their unique 5.8x42mm weapons complex — a system claimed to

outperform both the current NATO 5.56x45 SS109 and Russian 5.45x39 7N6 cartridges.

Lessons Of Battle Learned

To begin our look at modern Chinese small arms, we have to go back to 1958. It was at this time the Chinese undertook extensive research and development work to improve their infantry weapons. This was based on their combat experience with Soviet small arms, full power battle rifle cartridges, as well as the less powerful 6.5 Arisaka and 7.62x25 sub-machineguns.

They recognized the potential of the new intermediate 7.62x39 M43 cartridge and admired the reliability of the Kalashnikov design. However, they were not impressed

by the AK-47's accuracy nor its ergonomics.

This led to the development of the Type 63 rifle (incorrectly identified in the West as the Type 68) and the Type 74 Squad Auto which represent the First Generation of domestically designed Chinese small arms. Neither a battle rifle nor a true assault rifle, the Type 63 was outclassed by the M-16 during combat operations in Vietnam.

Post-Conflict Redesign

Seeing the changes in modern warfare, the Chinese went back to the drawing board. The Second Generation of Chinese small arms is seen in the Type 81 weapons series. The goal of the design team of the Type 81 rifle was to provide a modern

Type QJY88 GPMG

Barrel length:	23.6"
Muzzle velocity:	2,968 fps (Special Heavy ball MG ammo)
Length:	45.31" in LMG configuration 52" in HMG configuration
Ammo box capacity:	200 round belt inside box that can be attached to the weapon's receiver in LMG role or on tripod in HMG role
Weight:	26 pounds with tripod
Effective range:	1,000 meters
Combat rate of fire:	300 rounds per minute
Reliability rate:	less than 0.2%
Fire area at flat trajectory fire:	Traverse — 45 degrees, A.A. — 360 degrees Elevation — -30 to +10 degrees, A.A. — 70 degrees
Shooting Accuracy:	70% of the grouping at 100m — 5.51"x4.72" 1,000m — 71"x54"



35mm Grenade Launcher

Muzzle velocity:	246 fps
Length:	12.2"
Weight:	3.2 pounds
Method of Operation:	Manual, single shot
Combat Rate of Fire:	5 to 7 rounds per minute
Sighting range:	350 meters

Remarks: This grenade launcher is designed to mount under the forend of the Type 95 rifle. It is designed to shoot 35mm tear gas, HE, and flash grenades.

Bases of both projectiles and cartridge cases (L to R:) 5.56x45 SS109, 5.8x42, 5.45x39, 7.62x39. While the primer pocket of this 5.8x42 round has been drilled out, you can still see it was manufactured in Factory 71 in 1996.





While 7.62mm belt fed machineguns, such as this PKM held by Comrade Author in Izhevsk, Russia, have been replaced at the squad level by 5.56/5.45 SAWs, such as this RPK-74 held by a SPETZNAZ vet, the Chinese wish to go a step further. Many 7.62x54R GPMGs will be replaced by 5.8 QJY88's.

assault rifle with the reliability of the Kalashnikov, but with superior accuracy and ergonomics.

The result was a rugged and reliable rifle with a few features not offered on Mikhail's Avtomat. These included a bolt hold-open, a selector lever accessible by the operator's thumb, an integral capacity to launch rifle grenades, and an adjustable gas system. Overall the Type 81 series — chambered for the venerable 7.62x39 cartridge — is well thought out and reliable.

Just as the Chinese had been quick to appreciate the 7.62x39 intermediate cartridge, as soon as the M-16 rifle appeared in Vietnam, the Chinese recognized the advantages of the 5.56x45 cartridge. While they took note of its cartridge, the Chinese were not impressed with the reliability/durability of the M-16 rifle. Noting the advantages of the small caliber, high-velocity round, they began extensive research and theoretical studies based on their combat observations of the war in Vietnam.

Searching For The Grail

Their goal was no simple one. They desired to find the ideal caliber to satisfy the Chinese military requirements for use in assault rifles out to medium ranges (400m) as well as in the supporting role of a machinegun (up to 1,000m).

Their intention was not just to build a series of weapons based on an existing cartridge but rather build a weapons complex using the *ideal* cartridge. This "universal caliber" has been a Holy Grail for which many arms designers have sought, but none have found.

After extensive calculations, they con-



Just as we have developed dedicated sniper loads for our 7.62x51 sniper weapons, and the Russians have developed dedicated sniper loads for their SVD (shown here), the Chinese have also developed a specialized 5.8x42 sniper load for their KBU88 to make it effective out to 800 meters.

cluded the ideal caliber would be 5.8mm, 6mm or 6.2mm. The Chinese then designed a vast assortment of prototype cartridges for use in comparison testing.

This is similar to our own SAW project, which tested over 1,000 configurations in calibers ranging from 5.56 to 7.62. Our final result was the 6x45mm SAW round that was never adopted due to logistical reasons. This shows that the U.S. and Chinese designers came to a similar determination as to the ideal caliber.

Based on their test results, the Chinese came to the final conclusion that the 5.8mm best fit their needs. The result is their new,

small caliber, high-velocity 5.8x42mm cartridge. Designed from the ground up to fit the needs of their weapons complex, this cartridge is produced in three different ball loadings. A standard loading for use in assault rifles, a heavy projectile loading for use in their GPMG, and a specialty loading for use in sniper rifles.

The standard loading features a 64 grain FMJBT projectile with a 22.6 grain AP core loaded into a Berdan primed and lacquer-coated steel case. Overall cartridge length is 58mm. Case length is 42.2mm, and the projectile is 24.2mm long. The cartridge case somewhat resembles the Russian



Fortier spoke with Mikhail Kalashnikov about the new Chinese 5.8x42 weapons complex and he seemed unimpressed. But he did mention he'd be happy to see a check covering the unpaid royalties owed Russia (and him) on all the millions of Chinese AKMs. We're sure it's in the mail.

5.45x39 in that it's tapered, however the case neck is shorter. It bears no outward resemblance to the 5.56x45.

The projectile exhibits substantial sectional density, similar to the 5.45x39. Muzzle velocity from the Type 95's 18.2 inch barrel is 3,050 fps. Out of the Type 95 Squad Auto's 21.9 inch barrel, it bumps up to 3,182 fps. The cartridge specimen I examined was made at Factory 71 in 1996.

Resistance To Change

Although the Chinese had developed their ideal cartridge, they still had one major hurdle to overcome, the Chinese military. During the last Sino-Japanese war, the Chinese had made extensive use of captured 6.5 Arisaka rifles and machineguns. Combat experience had left them unimpressed by this small-bore cartridge's effectiveness, especially at long range. Due to this, the Chinese military wanted nothing to do with a small caliber cartridge intended for use in machineguns as well as rifles.

In order to convince the military, the Chinese Armament Bureau produced a quantity of transitional 5.8x42 assault rifles. These were based upon the Type 81 and were designated the Type 87. They were then submitted to the military for extensive testing and field trials against the existing 7.62x39 weapons. During these trials, the 5.8x42 weapons outperformed the 7.62x39 weapons in every way. They proved so superior that the Chinese military adopted the new cartridge for use in its next generation of small arms.

With the problem of a suitable cartridge out of the way, the Chinese set to work

during the late 1980s designing the weapons to use it. The result of their work is not simply a new assault rifle but an entirely new weapons complex. This includes an assault rifle (Type 95), Light Squad Auto (Type 95), Sniper rifle (Type KBU88), and surprisingly, a belt fed GPMG (Type QJY88). Following the current trend in small arms development they chose to use the bullpup configuration (except for the GPMG).

I was told that in designing the Type 95 they took a long hard look at the SVD Dragunov design. This can be seen in the Type 95's 3-lug rotating bolt, carrier, and its adjustable short stroke piston gas system which is similar conceptually to the SVD's.

Design Imperatives

The main features of these new weapons are their extensive use of high tensile aluminum and modern high-impact synthetic materials, coupled with improved human engineering. In addition they feature cold hammer forged barrels for superior accuracy.

The entire design emphasizes keeping as close as possible the distance between:

1. The center of gravity of the whole weapon, and the center of gravity of the axis of the barrel.
2. The center of gravity of the bolt assembly, and the axis of the gas piston.
3. The center of gravity of the barrel, and the axis of the gas tube.
4. The center of gravity of the bolt carrier, and the center of gravity of the entire gun.

They state, "This design brings a combined effect of compact structure, mini-

mizing the supplementary force of inertia, ensuring a stable and smooth movement of the bolt carrier, minimizing the overall weight of the rifle, increasing shooting accuracy, and promoting reliability." It is also interesting to note reliability is claimed to rate equal to that of the Kalashnikov. That in and of itself would be quite a feat.

These weapons were designed to use the following accessories:

1. Fixed- or variable-power telescopic sights with quick detachable mount.
2. Latest generation passive night vision scope with quick detachable mount.
3. Quick detachable, 35mm grenade launcher mounting to the forend.
4. Multi-purpose bayonet which can be used as a bayonet, field knife, wire cutter, or dagger.

Modern But Conventional

While I personally do not care for bullpup style rifles, the Type 95 appears ergonomic and well balanced. With a length of just 29.3 inches and tipping the scales at 7.1 pounds, it's both handy and light. The rear sight is mounted on an M-16-style carrying handle, which also accepts optical sights. The front sight assembly reminds one of the familiar AK unit. The charging handle is located inside the carrying handle, AR-10 style, and is ambidextrous.

Feed is from 30-round synthetic magazines. The weapon is intended to be effective out to 400 meters. It should be noted though, the Type 95, while modern, is still fairly conventional. Whereas the Russians began work in the 1960s on weapon systems which canceled out recoil through mechanical design, the Type 95 is nothing out of the ordinary.

Compared to the AN-94 Nikonov, adopted by the Russians in 1994 to eventually replace the AK-74M, the Type 95 is actually rather mundane. However while the AN-94 is a brilliant rifle that must be handled and shot to be fully appreciated, the Chinese have developed more than just a rifle. What makes it interesting is everything they've developed to complement the Type 95 rifle.

Interrelated System

Support weapons start with the Type 95 Squad Auto. This light automatic weapon shares the same bolt assembly, trigger assembly, upper and lower receiver, and magazines with the rifle. For its fire support role it's equipped with a longer, heavier barrel to which a bipod is directly mounted. To increase its practical rate of fire, 75 round drum magazines are issued for it.

In my experience, Chinese drums are usu-

As the new universal cartridge, the 5.8x42 is intended to replace the 7.62x54R in many applications.



ally quite noisy, as they allow the rounds to slap back and forth. Weighing in at just 8.7 lbs (!) it's more of a machine-rifle, along the lines of the British Light Support Weapon, rather than our own M249 SAW. It's intended to be effective out to 600 meters.

For reaching out and touching someone, there is the KBU88 sniper rifle. It's equipped with a 25.1 inch hammer forged barrel, and the carrying handle has been replaced with a 3-9x variable telescope. The optics feature an illuminated reticle with aiming holdover points in 100 meter increments.

Fold down, backup iron sights are also provided. An integral folding bipod with legs individually adjustable for height is attached to the barrel just in front of the handguard. Feed is from 20- or 30-round magazines.

When tested against the Type 85 7.62x54R sniper rifle (SVD Dragunov), the KBU88 outperformed it in accuracy; higher hit probability at long range; was quicker to get into action; had less recoil; a larger ammunition load capacity; and was lighter in weight, thus increasing the mobility of the sniper.

We would consider it a Designated Marksman's Rifle, rather than a true sniper rifle. In this role, it would prove quite useful on the modern battlefield and would be capable of providing a high-volume of accurate supporting fire in a manner impossible with a bolt-action precision rifle. When mated to its dedicated sniper load, the KBU88 is intended to be effective out to 800 meters.

Time Of Flight

Load	Muzzle Vel.	200meters	400 meters	600 meters	800 meters
5.45x39mm 7N6	3,150 fps	0.2294	0.5135	0.8765	1.371
5.56x45mm SS109	3,060 fps	0.2303	0.5143	0.8745	1.345
5.8x42mm Ball	3,200 fps	0.2242	0.4969	0.838	1.279

The extremely high muzzle velocity listed for the 5.45x39 round would indicate it having been fired out of an RPK-74 rather than an AK-74. The 5.8x42's velocity indicates that it is the Type 95 Squad Auto. The 5.56x45 was fired out of an FNC.

Steel Plate Penetration

3.5mm Hardened Steel Plate at 640 Meters

Rifle/Load	Muzzle Vel.	Impact Vel.	Retained Energy	Penetration
AK-74/5.45x39 7N6	3,150 fps	1,526 fps	275 ft-lbs	4 of 22 rounds
FNC/5.56x45 SS109	3,057 fps	1,529 fps	320 ft-lbs	21 of 21
Type 95/5.8x42 Ball	3,163 fps	1,575 fps	357 ft-lbs	21 of 21

3.5mm Hardened Steel Plate at 700 Meters

Rifle/Load	Muzzle Vel.	Impact Vel.	Retained Energy	Penetration
FNC/5.56x45 SS109	3,057 fps	1,345 fps	248 ft-lbs	16 of 22
Type 95/5.8x42 Ball	3,163 fps	1,389 fps	281 ft-lbs	20 of 20

10mm Hardened Steel Plate at 310 Meters

Rifle/Load	Muzzle Vel.	Impact Vel.	Retained Energy	Penetration
FNC/5.56x45 SS109	3,057 fps	NA	NA	No Penetration
FNC/5.56x45 P112AP	NA	2,254 fps	696 ft-lbs	22 of 22
Type 95/5.8x42 Ball	3,163 fps	2,339 fps	787 ft-lbs	22 of 22



Penetration was very important to the Chinese and the 5.8x42 is designed to outperform either the 5.45x39 7N6 or 5.56x45 SS109 on steel plate.



TYPE 95 WITH MOUNTED GRENADE LAUNCHER

*NOTE: NEED TO DETERMINE
WHAT GRENADE TYPES ARE
AVAILABLE, I.E. ONLY? ALSO -
NEED MATH. EFFECTIVE RANGE
AND ESTIMATED CASUALTY RADIUS.*



While the Type-95 assault rifle is an interesting and modern design, it's not in the same class as this Russian AN-94 being hammered by the author in Russia. However, it is a substantial improvement over the long in the tooth AKM/Type 56.

The latest member of the 5.8mm family is the QJY88 GPMG. This project began in July 1989, and after extensive testing in freezing cold, hot desert, windy and sandy conditions to eliminate defects, it was formally adopted in July 1999. Feed is from 200-round belts.

The feedway is equipped with 3 rollers, and the feeding pawl also has a roller, to minimize friction during feeding and aid reliability. It's equipped with a bipod for use in the LMG role but can also be tripod mounted for sustained fire use. The tripod is equipped with a recoil-absorbing device to enhance accuracy and quickly converts for A.A. use.

For long service life, the barrel is differentially hardened. Also, a special pattern of rifling is used and the chrome plating carefully kept to .18 to .28mm to increase barrel service life. The Chinese claim it to be very simple, reliable, and mobile due to its light weight (only 26 pounds *with* tripod), coupled with long range and a high hit probability. With its dedicated heavy ball loading, the QJY88 is intended to be effective all the way out to 1,000 meters.

A Realized Ideal?

Sound impressive? Well the question you're all asking right now is, exactly how well does this new Chinese 5.8x42 round stack up against our 5.56x45 and the Russian

Experience on the receiving end of early M-16s taught Chinese advisors the advantages of a smaller caliber service rifle than the 7.62x39 AK.



5.45x39? Well, we won't leave you hanging. I was recently able to get my hands on (don't ask) some PLA documents containing ballistic test data and the results follow.

Testing was conducted using a 5.45x39 AK-74 and 7N6 ball ammunition, a 5.56x45 FNC using both SS109 ball and P112 AP, and a Type 95 with 5.8x42 ball. Accuracy testing was conducted out to 600m between the three weapons. Projectile time-of-flight was recorded out to 800m. NATO spec, 3.5mm hardened-steel plates were shot at 640 and 700m. A 10mm, hardened-steel plate was shot at 310m.

Finally, anesthetized livestock between the weight of 26 to 44 pounds were shot at a distance of 90m. All the information recorded from these tests is contained in the accompanying charts.

For comparison, I've also included one chart on the performance of typical military rifles against NATO 3.5mm steel plate. This data is compiled from tests performed by the USMC Firepower Division in Quantico, Va., in the early 1980s.

Death Of The 7.62x39?

The Chinese test results indicate their new 5.8x42mm cartridge does indeed provide a substantial increase in effective range and penetration over the M43 7.62x39. It's now possible for high-velocity, small-bore military cartridges to place fire at medium ranges without the weight and recoil penalties of the older full power cartridges.

While obviously lacking the punch of a 7.62x51 at long range, the 5.56x45 has none the less proven itself to be capable of superb accuracy at 600m. This is something the 7.62x39 is not capable of, and this fact has not been lost on the Chinese.

Their 5.8x42 ball round is designed to surpass the performance of the 5.56x45 SS109, including at long range. That the Chinese wish to be able to extend the practical effective range of their small arms can also be seen in the Type 95's ability to easily mount optical sights.

While we don't yet have any specifics on the dedicated sniper load for the KBU88



With the Cold War finally over, America has re-evaluated their view of Russia. The CA shoulderboards, like a Soviet blitzkrieg across Europe, are a thing of the past. By contrast, China remains a growing Communist power and a source for U.S. concern.

sniper rifle, that it outperformed the 7.62x54R SVD out to 1,000m speaks for itself. In Russian service, the SVD, or 'Oar' as it's affectionately known, is extremely popular due to its effectiveness.

Punchin' Steel

Against steel plate, the 5.8 easily outperformed the 5.45 7N6 ball loading as well as the 5.56 SS109. It equaled the penetration of the 5.56 P112 AP loading while providing greater retained energy. It should be remembered though, that the 5.45 7N6 loading has a mild steel core, and a more even test would have been to use the newer 7N10 high penetration round.

While the 5.8 retained more energy and velocity downrange, there is a downside to a light weight, small-diameter projectile with high penetration. Such rounds can zip right through an enemy without doing significant damage.

This was first seen on the Italian Front

during WW I, when it was common for soldiers hit through the lungs at long range by 6.5mm rounds to recover in a matter of weeks. Recently, American troops witnessed this first hand in Mogadishu, and now in Afghanistan, when hits with M855/SS109 ammunition produced no immediate visual results.

This phenomenon was verified in the livestock testing performed by the Chinese. Here the 5.45 7N6 load showed what it was designed to do and produced significantly larger wounds than either the 5.56 SS109 or the 5.8x42. However the range here was short, only 90m.

While the Chinese were impressed by, and commented on the tremendous close range wound capacity of the 5.45 7N6 loading, they also stated that by 600m its accuracy, penetration, and wound capability had dropped off significantly due to its light-weight 52-grain projectile. However they also felt the 5.45x39 to be a very economical

Performance Of Typical Military Rifles Against Nato 3.5mm Steel Test Plate

Rifle	Load	Range/Yards	Performance
AKM	7.62x39 PS	300	CP
AKM	7.62x39 PS	400	50% CP 50% PP
AK-74	5.45x39 PS	600	CP
AK-74	5.45x39 PS	800	FP
M16-A1	Ball, M193	400	CP
M16-A1	Ball, M193	500	50% CP 50% PP
M16-A1	Ball, M193	600	FP
M16-A2	Ball, M855	600	CP
M16-A2	Ball, M855	700	CP
M16-A2	Ball, M855	800	50% CP 50% PP
M16-A2	Ball, M855	1,000	FP
Rifle, M1	Ball, M2	500	CP
Rifle, M1	Ball, M2	600	FP
Rifle, M14	Ball M80	700	CP
Rifle, M14	Ball M80	800	FP
Rifle, M21/M40	Special Ball M118	800	CP
Rifle, M21/M40	Special Ball M118	900	50% CP 50% PP
Rifle, M21/M40	Special Ball M118	1,000	FP
Carbine, M1	Ball, M1	100	CP
Carbine, M1	Ball, M1	200	FP

CP: Complete Perforation, in which a major portion of the projectile exits the armor. PP: Partial Penetration, in which a hole is generated but the major portion of the projectile does not exit the armor. FP: Failure to Penetrate, the plate may be dented but it is intact.

This data is from testing conducted by the USMC Firepower Division at Quantico, Va. during the Modified Operation Test in the early 1980s.

cartridge to manufacture.

The Chinese were impressed by the 5.56x45 SS109 and felt that it was effective up to 600m. However, they felt that it had the disadvantages of high chamber pressures, and because it utilizes a brass cartridge case, it is not seen as being economical to produce.

While the 5.8 was superior in penetration to the 5.56 SS109, the same was not true of accuracy. That the new Type 95/5.8x42mm combination was more accurate than the 70s vintage Russian AK-74/5.45x39mm combo is really no great surprise. While the AK-74 is more accurate than the 7.62x39 AKM, at the time of its design, Soviet doctrine relied on massed automatic fire rather than accuracy.

By switching to a short stroke gas system, the Chinese intended on gaining an increase in accuracy over the Kalashnikov while maintaining the same level of reliability. It appears that they have accomplished this. However the FNC/5.56x45mm combo easily out-shot the new Chinese system.

Straight-wall case designs, such as the 5.56x45, tend to be more accurate than tapered case designs such as the 5.45x39 and 5.8x42. The trade-off being that tapered cases feed and extract easier. While the 5.8 exhibits higher retained velocity and energy in their test results compared to the 5.56 SS109, the difference is small.

The Big Question

Why the Chinese bothered with developing an entirely new assault rifle cartridge when they could have simply adopted the 5.56x45 is a question I'm sure many will ask. The only reason I've been given is that the PLA has a defensive doctrine, and if China were invaded, their unique caliber weapons would prohibit an attacking force from utilizing captured weapons.

I will let you decide for yourselves on the effectiveness of this new cartridge based on the accompanying data. How China's new 5.8x42mm series of weapons fares in service or combat remains to be seen. One thing is certain though, the Kalashnikov's service with the PLA appears to be coming to an end.



Acknowledgments: Much thanks to Dave Brown at Sierra Bullets for his patience and help making sense of the ballistic data in its original form, John Miller for supplying the 5.8x42 round used in the photographs, and to Mark Vorobiev for a Russian point of view.

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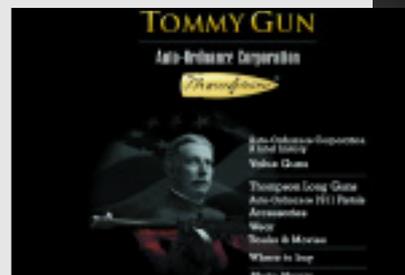
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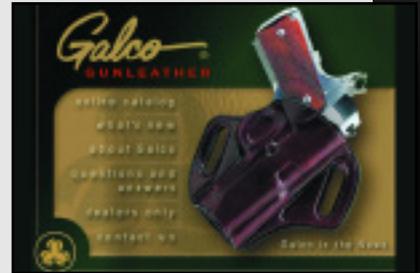
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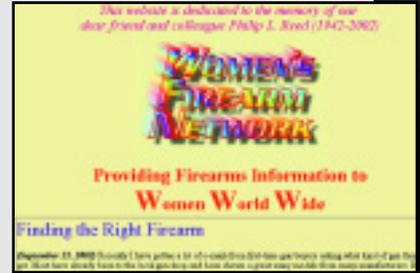
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FAILURE of Are **U.S.** **Troops** At **Risk?**



By Seth R. Nadel

The 5.56



U.S. Army file photo

“...the troops want a round that will put the enemy down with one hit... the current issue 5.56 round... is proving itself to be woefully inadequate as a man stopper...”

These words, in a declassified report from the troops involved in Operation Anaconda, have triggered a long overdue reevaluation of the 5.56x45mm cartridge — the U.S. Service round for the last 30 years. For a number of reasons, the same questions and concerns originally raised during the Vietnam era about the stopping power of our current ammunition have resurfaced.

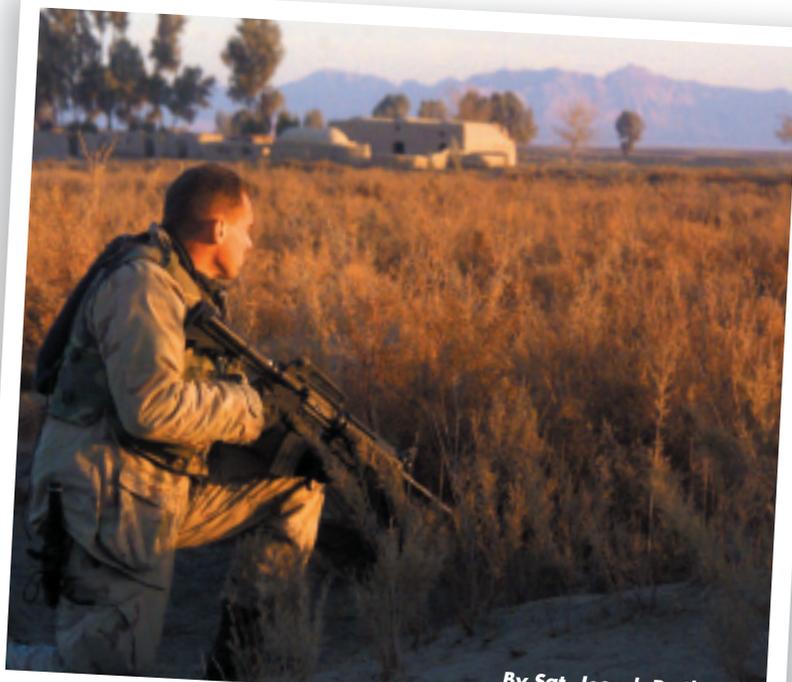
The book *Blackhawn Down* contains several references to the failure of the 5.56 round to put the enemy in the dirt. Additional

research reveals similar references from Panama and Grenada. Comparatively little use was made of small arms during the Desert Storm operations, and thus there are few such reports to be found in the public domain. But the present operations in Afghanistan are producing a new list of the same old problems.

Our troops are scoring hits, in many cases multiple, center-of-mass torso hits, but the bad guys are not going down. In a combat situation, few things are certain, but the inability to stop a determined adversary with one well-centered hit is almost cer-



By PHC Johnny R. Wilson



By Sgt. Joseph R. Chenelly

tain to cause U.S. casualties. Have we lost troops in Afghanistan due to this failure? No one yet will say.

Controversial Beginning

The very earliest reports of the combat effectiveness of the 5.56 cartridge arose from experiments in Vietnam in the early '60s. Small quantities of the new XM15 were sent to Vietnam for issue to U.S. advisors. Resistance to the adoption of a .22-caliber service round was difficult to sustain in the face of these glowing early reports. Edward C. Ezell, in his book *The Great Rifle Controversy*, records an after-action report:

“On 16 June 1962, one platoon from the 340 Ranger Company... contacted three armed Viet Cong in heavily forested jungle. At a distance of approximately 15 meters, one Ranger fired an AR-15 full automatic, hitting one Viet Cong with three rounds in the first burst. One round in the head took it completely off. Another in the right arm took it completely off too. One round hit him in the right side, causing a hole about five inches in diameter... it can be assumed that any one of the three wounds would have caused death.”

Subsequent combat experience discov-

ered that newer M16s — when they worked — did not cause the large traumatic wounds of the early versions. This caused a loss of confidence in the weapon that was exacerbated by early functional problems. Thus when the troops had rifles that functioned, the rounds did not always stop the enemy. Research uncovered why.

The very first batch of XM15's sent to Vietnam for testing used barrels with a twist of 1:14 inches. Subsequently, the rate of twist was changed to 1:12 inches. Two factors motivated this change. The first was ballistic studies showing the 1:14 inch twist led to extremely poor bullet stability under Arctic conditions. The other motivating factor was much more powerful and less grounded in the realistic use of the rifle in combat.

Wrong Motivation?

Army marksmanship instructors and competitive shooters, frequently one and the same, knew the new rifle was inaccurate at longer ranges because the bullets were marginally stabilized by the slow, 1:14 inch rate of twist. They pushed hard for a faster rate of twist to improve accuracy.

We continue to fall into the trap of allowing competition shooters, firing courses designed in the 19th century, to



By Chief Photographer's Mate Johnny Bivera



By Staff Sgt. J.J. Conolly, Jr.

have considerable impact on our weapons and ammunition designed for the 21st century. The change to a 1:12 inch pitch did make the 55-grain bullets more stable, but it also reduced the lethality of the round. While the original rate of twist had allowed the bullet to become unstable and tumble on impact, the new barrels over-stabilized the rounds, so the wounds were more like stabs with an ice pick.

It must be admitted that “failure to stop stories” cannot always be taken at face value without after-action verification. Unlike the M14 rifle issued before it, all M16s had the capacity for full-automatic fire. Oft repeated stories of troops dumping an entire magazine on full-auto into the chest of an oncoming enemy were frequently found to mean only a couple of marginal hits had really been delivered. Regardless, enough documented failure-to-stop incidences occurred to leave doubts about the effectiveness of the 5.56mm cartridge.

New Directions

The post Vietnam era brought new changes to the M16. Our NATO allies, having avoided Southeast Asia, justifiably continued to fear a Soviet invasion. Intelligence revealed the Warsaw Pact forces were starting to issue body armor. In seeking NATO standardization of the 5.56x45, one objection was the perceived lack of armor-piercing capability.

The Belgian SS-109 round was developed to counter this weakness. In NATO



By Staff Sgt. Gregory K. Funk



By Sgt Thomas Michael Corcoran



By Chief Photographer's Mate Johnny Bivera

tests completed in 1979, the SS-109 round was found to answer the need for armor penetration, reliably piercing the U.S. steel helmet at 500 meters. But the longer, heavier, 62-grain projectile required a still faster rate of twist to stabilize.

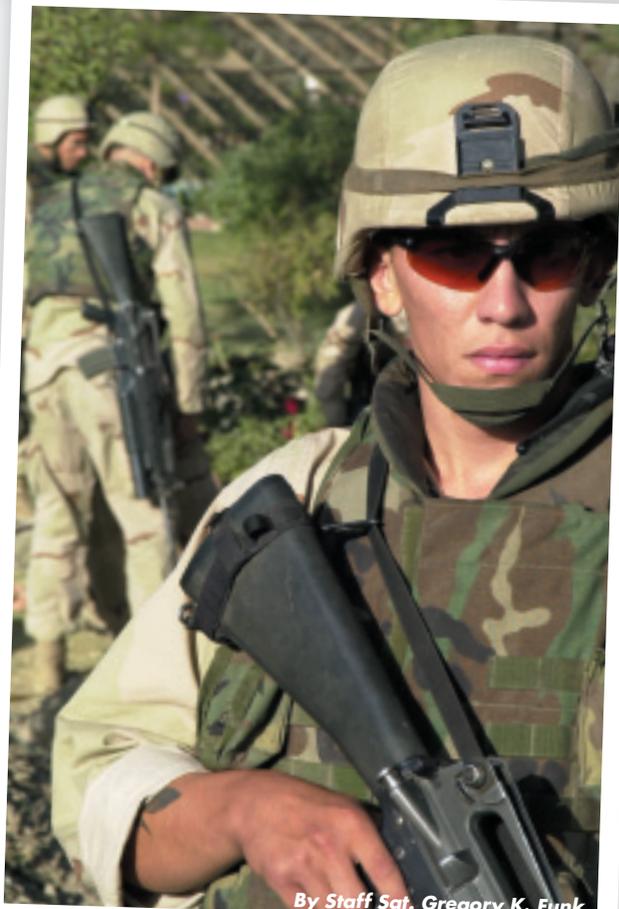
In addition to NATO standardization, a further rationale for adopting a U.S. equivalent of the SS-109 was the need to develop and standardize a new Squad Automatic Weapon. Experiments with heavy-barreled M16s had proven the need for a much more robust, belt fed weapon.

To fulfill the SAW role, the new machinegun would need the capacity to fire AP ammunition, as well as a new tracer round which would possess a longer "burn-out" range than the 450 meter capability of the 55-grain M196 tracer ammunition.

The die was cast for U.S. adoption of these new loadings of the 5.56 cartridge. The U.S. equivalents of the European developed SS-109 and corresponding L-110 tracer round were type-classified as the M855 and M856. M855 ball rounds may be identified by a green lacquered projectile tip, and M856 by an orange lacquered tip.

Enter The M16-A2

To simplify logistics, the new ammunition was made standard issue. This



By Staff Sgt. Gregory K. Funk



U.S. Army Photo by Spc. David Marck Jr.



By Staff Sgt. Gregory K. Funk

necessitated yet another change in the M16's rifling twist rate to 1:7 inches. We now have a very stable, accurate round that can pierce body armor. However, the bullet has a regrettable tendency to remain stable, even after striking an adversary, with a resultantly small wound channel.

Research, facilitated by Dr. Martin Fackler, formerly of the Army Wound Ballistics Laboratory, has clarified how military rounds wound. Regardless of caliber, they work in the same way. Generally, all full metal jacket rifle rounds damage the body by turning (called yaw) on their long axis as they move through the body.

Diameter, weight, velocity, and the spin induced by the rifling in the barrel all affect when (at what depth in tissue) the yaw starts. The 7.62 X 39 was found to yaw only after deep penetration, usually producing a slightly curved, .30 caliber hole. The 147-grain, 7.62 X 51 NATO round and the 55-grain, 5.56 X 45 M193 ball round both yaw, and deposit small particles along the bullet path.

The same rounds by different makers behave differently, most notably the Swedish 7.62 NATO projectile. This round tends to fragment more violently, shattering into many fragments, which cause a much wider path of destruction.

Unfortunately, the over-stabilized 5.56 M855 round does not yaw readily, and may do so only after exiting the body, thus creating a .22 caliber through and through hole. Unless this hole is in near solid material, like the spleen or liver, or hits the heart or central nervous system, it does little damage.

This is the very reason the old "SPIW" (Special Purpose Individual Weapon) program abandoned the fletchett as a projectile. These very small-diameter, dart-like projectiles were so stable they just punched right through targets, as we found with the limited issue, fletchett shotgun shells tested in Vietnam.

Alternate Approach

In 1974, the Soviets adopted a small-bore service round, the 5.45x39mm cartridge. Soviet engineers avoided the potential loss of wounding capacity by leaving an air space in the nose of the 5.45 projectile. On impact, the lead core moves forward, changes the center of gravity, and rapidly induces yaw. Thus they have a round that is stable in flight, but unstable after impact.

That the design is effective is evidenced by the experience of the Afghan Mujahedeen, who during their conflict with Soviet forces in the early 1980s nicknamed the 5.45mm round "The



By Staff Sgt. Gregory K. Funk



Rare glimpse of the new Designated Marksman's rifle in use in Afghanistan. To solve the 5.56 dilemma, some propose arming at least some squad members with the M-14 rifles from existing stocks.

By Sgt. Andrew D. Pomykal

The Belgian MINIMI Squad Automatic Weapon, adopted by the U.S as the M249. The decision to adopt a 5.56 SAW cast in stone the adoption of the heavier 62-grain SS109 cartridge.



By Sgt. Joseph R. Chenelly



The Soviet 5.45x39 AK-74 M saw service in Afghanistan beginning in 1979. The rifle was admired by troops and respected by the mujahedeen.

By Sgt. Joseph R. Chenelly



Sectioned projectiles of (L to R:) 62-grain SS109/M855 (steel core blued for better contrast), 55-grain M193 ball, and steel-jacketed 5.45x39 (jacket blued for better contrast). Note the hollow cavity of the 5.45 projectile to ensure yaw after impact.

Poison Stinger.” We have not introduced such ammunition, on “humane” grounds.

Situational Effectiveness

Other, external factors influence the “stopping power” of the current U.S. service round. In the post-Vietnam era, we expected to face an eastern-European army. These opposing forces were supposed to be “civilized” people like our own troops. However, the current adversary is almost a completely different animal from the U.S. soldier.

Our enemies in Somalia and Afghanistan are hard people, used to hard physical labor. They would not consider sitting in front of a computer screen to be work. When they travel from point A to point B, they walk — usually barefoot. They have little to eat, do not expect medical care, and are used to pain. Thus a wound that has Western troops down, calling for medevac, has these tough fighters stuffing a dirty rag into it and continuing the fight. They are also fanatics, fighting, and willing to die, for their cause.

The old battle calculus that it was better to wound a soldier than kill him is no longer true. Armies have a need to remove the wounded from the battle, and to treat their injuries. This removes additional troops from the battle. Well-organized armies have a logistics tail of



By Staff Sgt. J.J. Connolly, Jr.



U.S. Army Photo by Spc. David Marck Jr.



By Chief Photographer's Mate Johnny Bivera

medics, stretcher-bearers, helicopters, doctors, hospitals and all the rest. Terrorists do not. They are not even armies in this sense.

The wounded are left to their own devices, and written off as martyrs if they die. Many seek this martyrdom, and so fight until killed. More organized armies have troops who surrender. Even the Nazi's, with their iron discipline, could not stop troops, and even entire armies, from surrendering. But to a true believer, fighting what he sees as a holy crusade, the cause is never lost.

The environment in which we fight also effects wounding capacity. In the hot, humid climate of Vietnam, where the M16 was first fielded, it was hot, and minimal clothing was the norm. As this is written, we are approaching winter in the high mountains of Afghanistan, which has two effects, neither of them beneficial to stopping an adversary with single hits.

In cold weather, everyone bundles up. They may not wear body armor, but multiple layers of low-tech, heavy clothing can slow, and in some cases even stop, bullets. Particularly at the longer ranges, a 5.56 bullet may not have enough velocity to make it through to the body under the clothing or to inflict a serious wound.

The second effect of winter is the reduced velocity of the round as it is fired. A change in temperature of 5 degrees can change your point of impact 1-inch at 100 yards, according to a sniper's log. Consider a change of 50 or 100 degrees, from the warmth of summer to the depths of winter. The change in the



*Cast of characters:
(L to R):
5.45x39 Soviet,
SS109/M855,
SS109 and M193
projectiles,
M193 ball.*



By Chief Photographer's Mate Johnny Bivera

POI results from the lower velocity of the very cold ammo. So now we have, in a worst-case scenario, a short barreled M4 carbine, firing an over-stabilized bullet, at (relatively) low velocity, which causes minimal wounds. This may sound very humanitarian, until your wounded opponent kills you.

What Is To Be Done?

We've documented the reasons the current U.S. rifle/cartridge combination does not have the same high wounding capability of the earliest issued XM15s. So what is to be done about this?

Possible solutions to this problem take different forms. Some advocate a return to the 7.62x51 NATO round, which is now available in the AR10 series rifles. A scaled-up version of the M16 (actually, the original design was in 7.62), all prior training would transfer directly over as far as weapon handling. Others want a return to the 7.62mm M14, a full size traditional battle rifle, many thousands of which remain in inventory. In fact, there are rumors of certain Special Operations units following either, or both of these paths.

Another course would be to adopt different ammunition, using some method as the Russians do to induce yaw quickly by destabilizing the bullet upon impact. A third choice would be to adopt a new



By Chief Photographer's Mate Johnny Bivera

round, lighter and with less recoil than the 7.62 NATO, but with a larger diameter projectile and better wound ballistics than the 5.56mm. A 6mm (.243 inch) variant of the existing 5.56x45 round has been investigated.

There will be great reluctance to pursue any of these options. Regardless, our fighting men require — no, they

deserve — the finest possible individual weapons. It seems the current issue service round is falling short of the mark, and our troops are being endangered as a result. Now is the time to reexamine this issue, and see to it that our personnel have the finest possible ammo and equipment if we are to send them into harm's way.





“Ergonomics of the P90 are without a doubt among the best I’ve ever experienced in a small arm. Despite its odd appearance, the P90’s controls are almost intuitive.”

FN Herstal's P90

One Wicked Oddity, Wrapped In Controversy

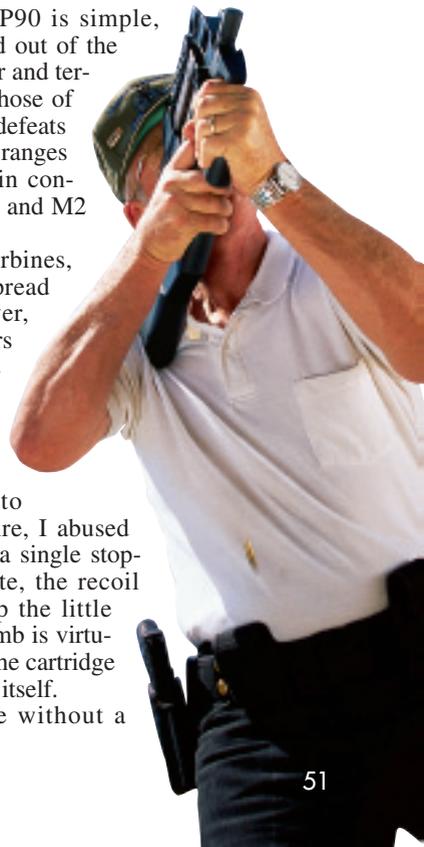
By Charlie Cutshaw
Photos By Ichiro Nagata

Introduced 10 years ago as a weapon for troops whose duties do not require a full-sized infantry rifle, FN's exotic P90 is simple, lightweight, compact, handy and out of the way until needed. With firepower and terminal ballistics improved over those of pistol caliber weapons, the P90 defeats body armor at short engagement ranges - in essence a weapon similar in concept to the World War II-era M1 and M2 carbines.

But unlike the American carbines, the P90 never achieved widespread military adoption. It is, however, presently used in small numbers by some 20 nations, primarily as a special operations weapon for close quarters combat (CQB).

FN's engineers developed a weapon that meets every design parameter. Reliable and easy to control during full-automatic fire, I abused the P90 and never experienced a single stoppage. At 900 rounds per minute, the recoil impulse is low enough to keep the little weapon controllable. Muzzle climb is virtually nil, due to the low recoil of the cartridge and the overall design of the P90 itself.

Ergonomics of the P90 are without a





Cutting edge ergonomics and a unique horizontal magazine are among the most distinctive features of the P90.

doubt among the best I've ever experienced in a small arm. Despite its odd appearance, the P90's controls are almost intuitive. Picked up by its grip, every control is placed for operation by even the most inexperienced hand. Every control is fully ambidextrous, and not an afterthought — as with many designs. Ejection is downward through the stock and does not interfere with operation.

Might Mite

The P90's compact size is the result of the configuration and horizontal placement of the magazine atop the weapon. Cartridges lie 90 degrees to the long axis of the barrel, mounted low in the receiver and contribute to the already low felt recoil.

The 50 rounds housed in semitransparent magazines are fed by spring pressure at the magazine's base at the muzzle end into two integral ramps at the magazine's chamber end. These ramps are in a spiral configuration that supports the nose and base of the cartridge as it is fed and automatically align the cartridge for feeding as it leaves the magazine.

Magazines are semi-transparent and allow the user to instantly check the number of rounds remaining. Because of the light weight of the ammunition, the magazine and the weapon itself, the P90 weighs only a little more than 6 pounds fully loaded.

The P90's standard sight is a 1x optical sight with a small circular reticle

for day use and a tritium-illuminated open-top "T" for low-light situations. The latter is red to preserve the shooter's night vision. The day reticle provides for instinctive aiming and "leads" the shooter's eye to the target. The outer circle of the reticle not only helps center the target, but also assists in estimating leads for moving targets.

The P90 LV also has a "red dot" laser pointer built in. The laser has a low setting for extended battery life and enhanced eye safety, and a high setting for maximum visibility. A third sighting option is the P90 LIR, which has an infrared laser that is invisible to the human eye for use with night vision equipment.

The latest version of the P90 is the P90 TR (triple rail) that eliminates the standard sights and substitutes three MIL-STD-1913 (Picatinny) rails, one in the top position and two short rails on either side of the sight block. The long top rail allows mounting of optical sights such as the Aimpoint or HoloSight, while the side rails accommodate high-intensity white lights or other accessories a user might wish to add, such as a laser pointer. A major benefit of the MIL-STD-1913 rail system is the ability of the user to exchange sights while retaining zero, reconfiguring the weapon to changing mission requirements. The rail system also allows the weapon to accommodate sights already in service.

Crafty, Controversial

The P90's operating system is straight blowback with firing from a closed breech. Closed breech operation

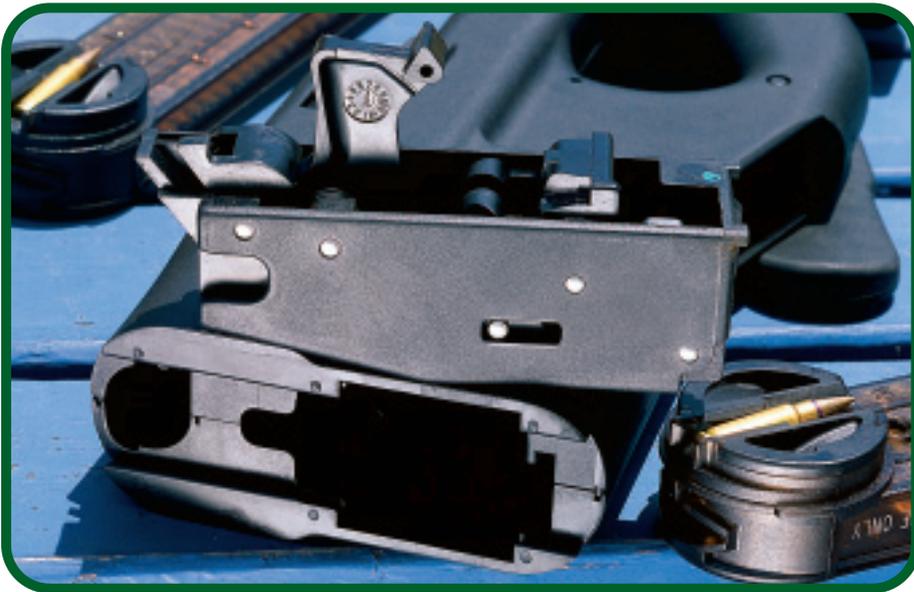


P90 SPECIFICATIONS*

Operation	Blowback
Overall length	19.7 in.
Width	2.2 in.
Height	7.1 in.
Empty weight	5.7 lb.
Magazine capacity	50 rounds
Firing modes	Full & semi-auto
Cyclic rate	900 rd/min
Max effective range	200 meters

*FN data

FN P90 Sales Brochure, The 5.7x28 mm Weapon System,
FN Herstal, Belgium, 1995, P.9



Close up views reveal the modular fire control group and safety/selector of the P90.



enhances accuracy, while blowback operation makes for simplicity, reliability and ease of maintenance. Indeed, disassembly of the P90 is so simple it can be carried out in less than five seconds without the use of any sort. For basic maintenance, the weapon breaks down into three major subassemblies — the receiver, the barrel support and breech assemblies. Because the P90 fires from a closed bolt and is blowback operated, little powder residue is blown back into the receiver and the weapon's receiver area stays relatively clean. Unit level maintenance beyond the user is also straightforward. The P90 contains only 70 parts and major repairs can be accomplished via replacement of modules, rather than small components.

The 5.7x28mm cartridge used in both the P90 and the "Five-seveN" pistol marketed as an adjunct is the most controversial aspect of the weapon. While there is general agreement regarding the overall excellence of the P90's design, the ammunition's effectiveness has been a



source of disputation since the weapon was introduced.

FN claims the bullet has an extremely high wounding potential, so high in fact there have been hints the International Committee of the Red Cross (ICRC) has pressed for a ban on the cartridge. While the ICRC has not specifically named FN's 5.7x28mm SS 190 bullet as "inhumane," the ICRC has suggested cartridges of the 5.7x28mm class, which includes several other similar rounds, should be considered for international proscription in much the same manner as expanding bullets.

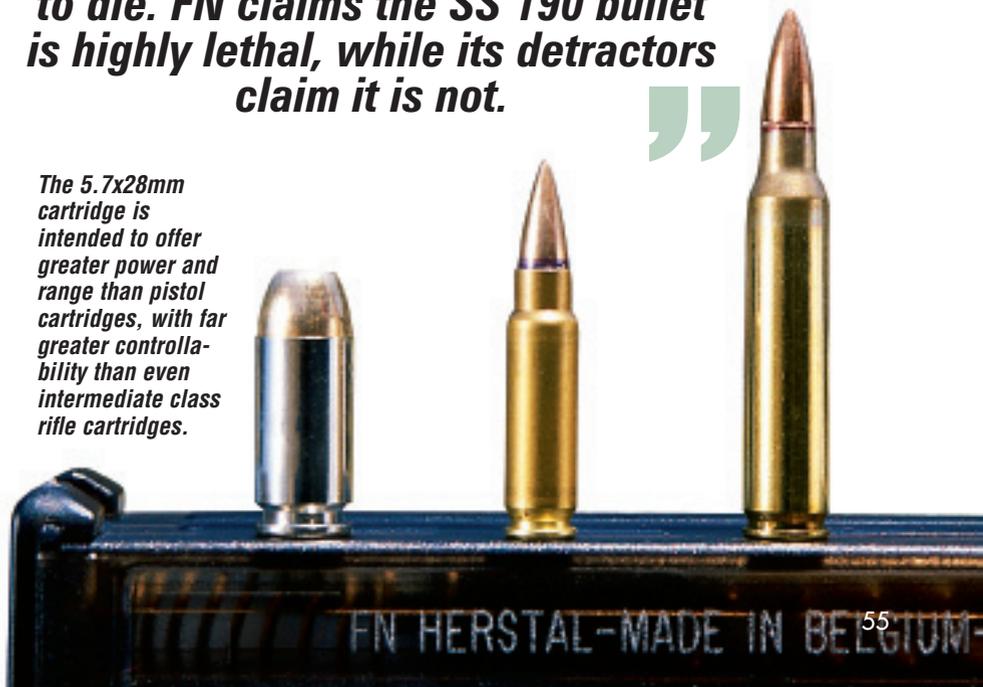
For its part, FN claims the SS190 bullet "tumbles" in tissue, greatly increasing its lethality. The company said: "The SS190 bullet, after about 5 centimeters (2 inches) of penetration, will start to tumble, usually making a 180-degree turn. During a considerable part of its trajectory through the body, the bullet is traveling sideways on."

We should note there is nothing unusual about this performance; the 5.56x45mm bullets fired from current

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The controversy surrounding the 5.7x28mm cartridge simply refuses to die. FN claims the SS 190 bullet is highly lethal, while its detractors claim it is not.

The 5.7x28mm cartridge is intended to offer greater power and range than pistol cartridges, with far greater controllability than even intermediate class rifle cartridges.





military rifles perform similarly when they strike tissue at velocities above approximately 2,400 feet per second.

Bullets are stabilized “nose forward” by their rotation, and as rotation slows when they strike tissue, they tend to return to their naturally stable, base forward, state. This causes them to turn 180 degrees and is true with any high-velocity bullet.

This turn usually occurs over a very short portion of the bullet’s trajectory in tissue, not during most of its path. We cannot comment on the size of the 5.7mm bullet’s permanent wound cavity, which is much smaller than that of a 5.56mm round with a striking velocity higher than approximately 2,600 feet per second.

Some writers have, however, claimed the 5.7 mm SS 190 bullet produces a permanent wound cavity of over 2.5 inches in size, which is physically impossible for a non-fragmenting bullet. This is because the permanent cavity cannot exceed the amount of tissue actually struck by the penetrating bullet.

Everybody Has One

Critics of the 5.7x28mm cartridge have described it as little more than a center fire .22 WMR. On the face of it, this is true. The 5.7x28mm fires a 31-grain bullet at a nominal velocity of 2,345 feet per second, while the .22 WMR fires a 30-grain bullet at a nominal 2,200 feet per second. Independent tests by the Royal Canadian Mounted Police Forensic Laboratory state the latest version of the SS190 bullet fired from the P90 at ranges

from three to 25 meters is actually inferior to expanding 9x19mm bullets unless the target is wearing body armor. Without body armor, the RCMP tests averaged 8.56 inches penetration at three meters distance and 7.65 inches with body armor covering the ballistic gelatin. Velocities of the bullets used in the RCMP tests averaged 2,329 feet per second.

The RCMP stated in its report the average permanent wound cavity of an expanding 9mm bullet was approximately three times the size of the SS 190 bullet.

The controversy surrounding the 5.7x28mm cartridge simply refuses to die. FN claims the SS 190 bullet is highly lethal, while its detractors claim it is not. We should note that terminal ballistic data cited by both camps regarding the SS 190 thus far have addressed only strikes by single bullets.

In fact, a submachine gun like the P 90 fires several bullets in a single burst and the cumulative effect of several hits may partially compensate for any shortcomings in the terminal ballistic profile of a single bullet. Due to its inherent controllability in full automatic fire, the P 90 may be capable of placing several hits onto a target that might otherwise have been misses with a larger caliber weapon. This is speculation, however, and confirmation will have to wait until independent comparative tests can be conducted in a controlled environment.

Despite the controversy surrounding its cartridge, the P 90 is probably the finest submachine gun design to appear

in the last 50 years, but military submachine guns as a class of small arm are presently in decline. US Special Operations Forces, for example, have replaced all their submachine guns with variants of the 5.56x45mm M4 Carbine and many law enforcement agencies are following suit.

Since many police SWAT units are composed of former military personnel, this law enforcement trend toward 5.56mm carbines is a reflection of their experience and training. On the other hand, military special operations forces are moving towards 5.56x45mm carbines with barrels as short as 10.5 inches. Where this trend will end is unknown, but it is a fact of life that any manufacturer of submachine guns must face — no matter how well designed their weapons may be.

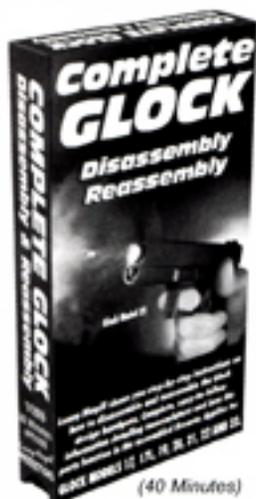


Dahlstrom, Dean; Powley, Kramer and Constable Gordon (no first name given), “Wound Profile of the 5.7x28 mm FN Cartridge (SS 190) Fired from the P90 Submachine Gun,” *International Wound Ballistics Review*, Vol 4, Issue 3, Spring 2000, PP. 21-26.

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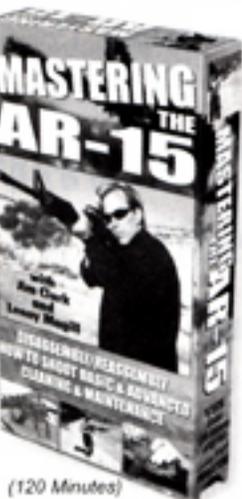
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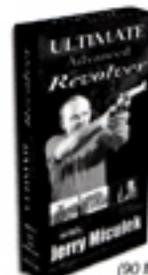
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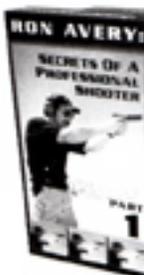


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A "WHISKEY SIERRA MIKE'D" AR-10 FROM SSK INDUSTRIES



More potent and faster
for repeat shots than the
standard .308 boltgun,
SSK's .300 WSM
AR-10 is a
winner.

It was one of those days when merely trying to look through your scope fogged it over. I was lying prone just inside a treeline, listening to the rain as it softly pitter pattered around me. Next to me my spotter, Matt Keene, was scanning for our next target.

We had been at it for hours now, were both soaked, and as I snuggled up to the AR-10 I could feel a bug scurrying around under my jacket. "I've got a critter crawling around on my back," I whispered to Matt.

"I know, you told me," he replied, matter of factly staring through the spotting scope.

"No, he's entertaining guests now," I kidded.

Keene let out a chuckle and then talked me onto our next target. I swung the AR-10's 26 inch match barrel slightly as I acquired it. Peering through the rain streaked Leupold I settled the crosshairs as the scope's ocular lens slowly started to fog over. Matt had lazied the target at 400 yards. It was at a slight angle, maybe 5 degrees, and at the moment I noted we had jack for wind.

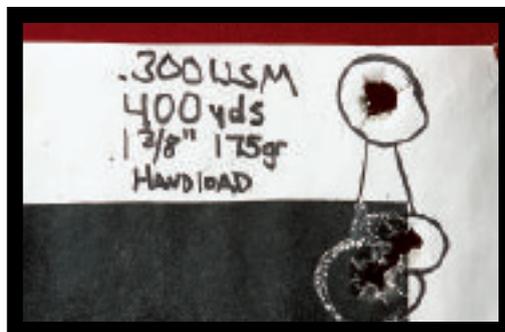
I rotated the AR-10's safety to FIRE and took up the trigger's first stage. Adding slightly more pressure caused the big ArmaLite to roar as it hammered a 175 grain Sierra HPBT Matchking out at almost 3,000 fps. As my FOV blurred, Matt watched the Sierra's trace as it streaked through the air.

By David M. Fortier

With the Meopta spotting scope set at 45x he could literally see the target tremor as the Matchking punched through it. While he spotted my round the AR-10 coughed out a .300 Whiskey Sierra Mike empty and then settled back onto target.

I realigned the Loopie's crosshairs as Keene said, "Repeat." Instantly my FOV blurred again as the AR-10 coughed another Whiskey Sierra Mike empty onto the wet ground. "Repeat," and a third empty joined the first two. There was a pause as Keene scrutinized the target, then he nudged me. I kicked the ArmaLite onto SAFE and turned towards him.

He wore a broad grin as he said, "I think you're gonna like that one chummy." He didn't lie. Putting a ruler to it revealed the best group of the day, a scant 1.375 inch center to center. Quite an impressive showing from SSK Industries self-loading .300 WSM AR-10.



Do everything just right and the SSK AR-10 rewards you with impressive accuracy. Best group of the day was this 1.375-inch group fired from off the bipod at 400 yards.

Mo' Power — Mo' Better

Yes, the power of the .300 WSM cartridge is now available in a self-loading tactical rifle. For serious long

.308 vs. .300 WSM

Load	300	400	500	600	700	800	900	1,000	
175 Sierra HPBT at 2,630 fps	4.8	8.2	11.9	16.3	21.1	26.6	32.8	39.7	Elevation
	2.3	3.1	4	5.1	6.2	7.3	8.5	9.8	Windage
175 Sierra HPBT at 2,973	3.4	6	8.9	12.1	15.7	19.9	24.4	29.6	Elevation
	1.9	2.6	3.4	4.2	5.1	6.1	7.1	8.2	Windage

Here is a comparison of the ballistic adjustments at the scope required by these two cartridges. Elevation is the required MOAs needing to be dialed in from a 100 yard zero. Windage is the required MOAs needing to be dialed in for a 10 mph, 90 degree wind. Note at 1,000 yards the .300 WSM is over 8 feet flatter shooting than the .308!

The AR-10's boltface must be enlarged to accommodate the .300 WSM.



Feed is from 7.62x51 box magazines converted to handle .300 WSM cartridges. Capacity drops from 10 rounds of 7.62x51 to 5 rounds of .300 WSM.



range shooters seeking flatter trajectory, less wind drift, and more punch at long range, SSK Industries is currently offering ArmaLite AR-10 rifles converted to this popular new cartridge. Due to its short overall length, accuracy potential, and impressive ballistics, the .300 WSM has sparked a lot of interest in the tactical community.

While it may not offer many advantages when chambered in a conventional bolt action tactical rifle, what has peaked interest is the thought of utilizing it in a semi-auto. It's short overall length allows it to fit, dimensionally, into a standard .308 magazine. This, of course, quickly had many people scratching their heads about the possibilities.

Been There — Done That

One person who did more than just scratch his head was J.D. Jones of SSK Industries. J.D. is a man who needs no introduction. A well-respected writer, he is a columnist and frequent contributor to

American Handgunner Magazine. His articles are written from the point of view of a man who has been and done. This is due to the fact that he's traveled the world and taken all sorts of large, ill-tempered game using only a handgun.

In addition to his hunting exploits he's well known for his line of proprietary cartridges. These range from his .50 Peacekeeper — which puts 80 percent of the power of a .50 BMG into a 12.5 pound rifle — to his line of subsonic Whisper cartridges.

When I first spoke with J.D., I found him to be a little on the blunt side. He's a man who speaks his mind, if he has something to say. This I can respect, if a man knows what he's talking about. In J.D.'s case he does, and we got along quite well. A mere pup compared to him, I quickly found that many ideas I had (such as playing with a 6x39 or 6.5x39) he had done long ago.

This led to us having a number of lively conversations as we discussed past

projects of his. One day as I picked his brain we got onto the subject of his .300 WSM AR-10 conversion. A fan of semi-auto tactical rifles, I twisted his arm a bit and he consented to send me his shop mule for testing.

Giving It A Good Look

What arrived was an impressive looking long range rifle. It had started life as a standard ArmaLite Inc. AR-10A4 in 7.62x51. A reincarnation of the original AR-10 from the 1950s, ArmaLite's modern AR-10 is a very well made and accurate self-loading rifle straight out of the box. For long life, ArmaLite CNC machines their upper and lower receivers from 7175 T74 high tensile strength aluminum forgings.

The upper receiver of our test rifle was of the flat top style featuring an integral Picatinny rail. This allows quick and trouble free mounting of optics. The upper also sports an A2 style shell deflector for left handed use,

although it omits the forward assist. Charging the weapon is accomplished by an AR-15 style "T" charging handle at the rear of the receiver.

In place of the original barrel from ArmaLite, J.D. had mounted a stainless Shilen Supreme Match barrel. This was 26 inches long, to get the most out of the cartridge, and approximately .90 inch in diameter at the muzzle. It featured a well executed target style crown.

To enhance accuracy, the barrel was fully free-floated via a robust synthetic tubular handguard. The handguard features a sling stud to allow a bipod or sling to be easily affixed. Onto the barrel was mounted an aluminum gas-block with a picatinny rail. This allows back-



Beautifully crowned muzzle of the Shilen barrel.



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.300 WSM Accuracy and Velocity Chart

Load	Velocity	300 Yards	400 Yards
Winchester 150 grain Ballistic Tip	3,323 fps	2.79"	NA
Winchester 180 grain FailSafe	3,053 fps	NA	8.875"
175 Grain Sierra HPBT Handload	2,973 fps	3.4"	4.54"

Velocity readings taken 12 feet from the muzzle with an Oehler 35P at an ambient temperature of 65 degrees F. Accuracy results are an average of five 3 shot groups fired prone with bipod.

up iron sights to be mounted, if an operator so desires.

The bolt/carrier assembly inside the upper receiver resembles an AR-15's on steroids, with one notable exception. The AR-10 design incorporates a spring loaded firing pin. Other than this, it looks and strips just like an AR-15. The lower receiver pretty much imitates an overgrown AR-15 as well.

Feed is from detachable box magazines. The mag release is fenced and the safety and bolt release are the same. Even the pivoting winter triggerguard is present. The trigger was a two-stage unit, crisp, with no over travel. Both the upper and lower receiver feature an anodized hard coat for superior strength and long service life.

Attached to the lower is a standard A2-style pistolgrip. The buttstock is also the familiar A2-style and features a butt trap and 1/4 inch sling swivel.

Clever Conversion

To convert the design from 7.62x51 to .300 WSM, J.D. simply opens up the bolt face to accommodate the larger case head. The extractor is changed to an appropriate piece and the gas system modified. This consists of lengthening it and changing the gas port size. The upper receiver's ejection port is then opened up slightly.

Surprisingly only one simple modification is required to convert a standard 7.62x51 NATO magazine to feed the chubby .300 WSM rounds. However capacity does drop from 10 rounds of 7.62x51 to 5 rounds of Whiskey Sierra Mike due to the size difference in the two cartridges. Winchester's little Magnums are fat!

Five-Point Test

My evaluation of SSK's conversion would focus on five major points. These were quality of the conversion, accuracy, reliability, speed between shots, and handling. By quality of the conversion I'm referring to the workmanship displayed in the machine work and modifications made to the rifle during the caliber conversion. However I did keep in mind that this was a shop mule and not a customer's rifle. Regardless, the rifle looked good.

ArmaLite builds their rifles out of



Glass is very hard on rifle bullets, which are often deflected or fragmented, as seen here. With suitable projectiles the .300 WSM should offer an advantage shooting through glass and other obstacles compared to the .308.

quality materials and the conversion is fairly straight forward. However I would greatly prefer a bolt made specifically to .300 WSM dimensions rather than modifying a .308 unit. Considering this particular rifle was SSK's shop demo, and had been used in demonstrations to the U.S. military, it was in very good shape. The bolt operated smoothly, magazines inserted and ejected cleanly, and all the controls operated easily.

Good Rifles/Good Optics

To facilitate accuracy testing I utilized a 16x, fixed power Leupold Mark 4 M1 Tactical Scope with a Mil Dot reticle. An excellent piece of glass for the serious

long range rifleman, it features impressive optics with good color rendition and acuity. The multi-coated lenses and 40mm objective provide a bright clear image even in low light.

Tube diameter is 30mm, which allows plenty of room for internal adjustments. The mechanism block is outfitted with target turrets that feature 1/4 MOA clicks. In addition it also has a side parallax knob for easy adjustments from behind the scope. I felt the 16x would provide adequate magnification at the ranges we would be testing the rifle.

The Leupold was mounted via a set of HD Leupold 30mm Mark 4 rings. In addition I added one of Harris's excellent



bipods to the forend and mounted one of my trusty leather M1907 shooting slings.

Test Ammo

Ready to see how the Whiskey Sierra Mike would perform, the only thing I needed was ammunition. Currently Winchester offers three loads in this caliber. These consist of a 150 grain Ballistic Silvertip, 180 grain Fail Safe, and a 180 grain Power Point. From experience I've come to expect Winchester's Ballistic Silvertip loadings to be superbly accurate. In addition, the Fail Safe has potential for defeating glass, which is very hard on rifle projectiles and a consideration for snipers. So I chose these two factory loads.

To hedge my accuracy bets I included one handload. This was topped with a Sierra 175 grain Matchking. This projectile was specifically developed for military use in 7.62x51 sniper ammunition. At long range it has a noticeable ballistic edge over the 168 grain HPBTs and an accuracy edge over the old military 173 grain M118 Special Ball projectile.

While I normally test precision rifles largely from the bench for accuracy, I deviated from my normal protocol with this .300 WSM AR-10. Instead I zeroed the rifle at 100 yards and fired a few rounds to get the feel of it. I zeroed the rifle using the

.300 WSM AR-10	
Specifications	
Caliber	.300 WSM
Operation	Self-loading via Direct Gas Impingement
Weight	11.5 pounds without optics
Overall Length	45.5 inches
Barrel Length	26" Stainless Match
Feed	Detachable 5 round box mag

Ballistic Silvertips and was pleased to note that it was shooting sub-MOA groups.

Surprise, Surprise

With the rifle dialed in I decided to fire a few quick rounds on steel. Here I noticed, much to my dismay, that the .300 WSM would punch a hole right through my steel silhouettes! My .308 Sako TRG-22 on the other hand, even with Hornady Light Magnums, only dents them.

Impressed, we took the AR-10 into

the field on a wet and nasty day. Firing prone, off the Harris bipod with a rear bunny bag, I fired three shot groups at 300 and 400 yards. While Keene and I were wet and uncomfortable, the Whiskey Sierra Mike'd AR-10 performed well. While the trigger could have been improved a bit, it was quite predictable and facilitated fine shooting.

Recoil, with all of the loads tested, was surprisingly light and not worth considering. However, as is typical with AR-10s, the gun did jump a bit. This slowed follow-up shots. An effective muzzlebrake would greatly aid shot to shot recovery time with this rifle. Handling was good, despite its overall length of 45.5 inches.

Learning Experience

During testing I noted that rounds loaded with some effort into the magazines. Magazines loaded and ejected easily into the weapon. All was not perfect though and the rifle did experience some feeding difficulties. After some head scratching I determined that one of the supplied magazines sat just a little too low in the well, allowing the bolt to occasionally ride over it and not pick up a round.

Occasionally, due to the rounds sitting low, it would mash a projectile's nose on



the feed ramp and refuse to chamber it. Tossing this magazine cured these problems and testing continued without incident. Ejection was consistent, although not overly forceful. Empties were flung from 3 to 5 feet from the firing position. I did notice during testing that the barrel heated very rapidly.

Lead Meets Steel

Accuracy? The Whiskey Sierra Mike quickly proved that even when fed hunting ammunition and firing prone under field conditions, it could post some respectable groups. It averaged 8.875 inches at 400 yards with the 180 grain Fail Safe load. While this is rather hohum, even from a semi-auto, things quickly improved.

Switching to 150 grain Ballistic Silver-tips tightened groups dramatically. With this load the rifle averaged a respectable .875 inch at 100 yards and 2.79 inches at 300 yards. This factory load gave the best performance of the day.

My small quantity of handloads averaged 3.4 inches at 300 and 4.54 inches at 400 yards. Remember though, these are not benchrest groups but rather groups shot under field conditions. Off a nice tidy concrete bench, sipping lemonade, I'm sure I could cut these groups a bit.

But I've yet to carry a bench into the field. Suffice to say, the rifle shoots — as demonstrated by the standout 1.375 inch, 400 yard group.

So What's The Point?

Performance wise the .300 WSM easily out-muscles the .308 Winchester. The slowest load clocked from the AR's 26-inch barrel was the handload. This pounded 175 grain Sierra's at an average velocity of 2,973 fps. As a comparison, my Sako TRG-22 with its 26-inch tube drives the same 175 grain Sierra at 2,631 fps using Black Hills Match. So there was an increase of 342 fps over the .308.

The fastest load from the AR-10 was Winchester's 150 grain Ballistic Tip. This clocked a blistering hot 3,323 fps. Here I tried to stack the deck a little by stoking my Sako with Hornady 150 grain Light Magnums which clocked 2,954 fps. Yet even using the Light Magnums in my .308, the .300 WSM still showed a performance edge of 369 fps. That's power you can see, feel, and use.

A truly superb cartridge, the 7.62x51 offers an excellent balance of power and size mixed with an enviable reputation for accuracy. It's an excellent battle rifle cartridge and a good GPMG round. In its dedicated sniper loads (M118 and

M118LR) it provides ample power and a flat trajectory out to about 600 meters. This is where approximately 85 percent of all military sniping occurs.

Past 600 meters the old girl does start to drop pretty hard, and wind drift becomes more of a consideration. While these factors are of little consequence when firing on a Known Distance range, field use is something else. In addition residual energy must also be taken into account.

Speaking Plainly

Remember we're not talking about simply ringing a steel plate. We're talking about, to be blunt, killing people. While the 7.62x51 isn't the flattest shooting or hardest hitting cartridge at long range it is an all around good performer.

Start stepping out past 500 to 600 meters and the .300 WSM's advantage begins to become more and more obvious. A substantially flatter shooting cartridge makes range estimation less critical. However a more important factor, in my mind anyway, is that it's also less affected by wind. The difference 350 fps of muzzle velocity makes is quite noticeable at long range. Of course, the .300 WSM hits harder as well. This is greatly appreciated when you're shooting at things that shoot back.



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While the .300 WSM does offer a sizable step up in performance over the .308/7.62x51 the question really becomes, is it enough of a step? It certainly cannot compete power wise with the .338 Lapua Magnum. The .338 LM is growing in popularity due to its ballistic performance, accuracy, and its limited anti-material capabilities. However the .338 LM is not without its own drawbacks. So it will be interesting to see if the .300 WSM finds a niche in the tactical community.

Time To Reconsider?

Unlike many countries, the American sniper community has been loath to consider anything but a manually operated bolt action rifle. However recent combat experience in Afghanistan may be softening how many view self-loading sniper rifles.

Like the Russian snipers who went before them, our boys are often finding themselves tasked with fire support missions. Whether suppressing HMG fire, eliminating mortar crews, or opening the door for the infantry to advance, our snipers are playing a crucial role. While filling these roles, some are wondering if a five-shot, fixed magazine boltgun is really the best tool for the job.

For the serious long range shooter, SSK Industries .300 WSM AR-10 offers Magnum power in a self-loading package. Complete guns can be had for \$3,080, upper receiver assemblies with one mag for \$1,650, or you can have your AR-10 upper converted for \$900. If a semi-automatic precision rifle that easily accepts optics, feeds from detachable magazines, and has a "reach out and touch someone" trajectory appeals to you, J.D. Jones may have just what you're looking for.



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By Dave Douglas

HELL

ON WHEELS

Tactics
for
where
the
rubber
meets
the road



Many of us spend a great deal of time in our cars. The drive to work, picking up the kids from soccer practice, grabbing a fifth of milk at the local stop and rob — these are everyday tasks we give little thought to. But in the past few years, the world has become a much more complicated place in which to live. It's vital we give more thought to our driving habits.

No, not bumping the curb while pulling into the supermarket parking lot, but security driving habits. Watching out for carjackers or kidnapers or — even worse — an ambush. But that's our world now. As much as we may want to live in a “Mayberry” world, we don't. It's time to pay attention and to be safe.

In some countries, kidnaping for cash is a cottage industry. Nor are we immune to this here. We all need to be alert while driving the family car. There are quite a few schools that offer training in driving skills. A few years ago, this training consisted of watching out for the other guy or tips on how to avoid skidding on black ice.

Today's driving skill classes consist of subject

matters like Ambush Avoidance, Getting out of the Kill Zone, and Blockade Clearing. If you've not thought about these subjects, its time you started.

Primary Survival Skill

The number one issue we need to think about today is awareness. Awareness of our surroundings is a vital skill to be developed. You don't need to be a Secret Service agent on a motorcade protection detail to have the need for com-

plete awareness while driving.

Watch out for that same car in the rear view mirror that follows you to work everyday. Be aware of the van parked down the block when you leave to take the kids to their ball game. Become more aware of situations that present themselves ahead of you, as well as obstacles that could block your ability to maneuver.

Before considering tactics to make the most of this 1½-ton weapon, we need to remind ourselves how to best control it.

Just as a handgun needs to be handled correctly to be an effective fighting tool, there is a right way to pilot an automobile.

Voice Of Experience

One of the nation's foremost experts on protective driving skills is Anthony Ricci. Ricci is the owner of Advanced Driving & Security Inc., a driving school specializing in the security needs of the professional driver as well as individuals with personal protection needs. His staff pride themselves on educating, coaching and evaluating clients in advanced vehicle dynamics as well as security issues that plague our world today.

ADSI's realist, intense and science-oriented training approach has proven successful for over two decades.

"The faster we drive, the more there is to think about," Ricci admonished. "At higher speeds, we need to react more quickly, and the vehicle becomes more difficult to control."

Human nature and mind-numbing routine dull the awareness we should maintain when driving. As we travel down constantly changing highways, most of us fall into a comfort zone.

Even though the environment is continually changing before our eyes, we take the amount of risk that lies around the

Above: Drift too close to the vehicle in front of you, and you'll find your options for escape severely limited. Below: Aggressive driving is a skill that demands regular practice. These police officers are training with the use of a "skid car."



next turn or over the next hill for granted. It is not possible to totally remove risk from our roadways. But, if we work at it, we can significantly reduce the risk.

Drive It Like You Mean It

Taking the correct driving position will help you remain focused and alert for longer periods of time. Being in the ready position will also assist you when avoiding occasional road hazards. Correct seat position starts with the steering wheel and works its way to the control pedals.

Make sure the car is in a safe place and the transmission in the park position. Pull the headrest up until it is even with the back of your head. The headrest is your defense against whiplash injury in the event of an accident. If you've ever had whiplash, you can appreciate this.

Adjust your steering wheel so the 12 o'clock position is approximately at shoulder level. Placing both arms straight out over the steering wheel, the bend in your wrist should be directly over the top of the wheel. With your wrists in this position, it's important to make sure your shoulder blades are touching the seat back.

This is very important, as in the event of an emergency, it's necessary to push gently against the wheel and press yourself back into the seat. This allows your hands and arms to steer the vehicle in a smooth manner.

In an emergency, some may panic and pull themselves into the steering wheel. This can cause abrupt movement, which can be transferred through the steering wheel and result in the loss of control.

Your hands can now be brought down to the 9 and 3 o'clock position on the steering wheel. This position will allow you the greatest steering wheel rotation. The back of your hands should be facing you, allowing you to push gently on the wheel. Remember to keep your thumbs pointed straight up while resting them against the wheel.

In the event of frontal impact, you could possibly dislocate your thumbs since there will be a violent and sudden weight transfer forward. If your vehicle's airbags deploy, it may force your thumbs backwards. I don't know about you, but I've kind of grown attached to my thumbs.

In addition, if your airbag deployed due to an ambush, the next moment may find you needing to fight with your pistol. I don't care if you are a "12 weapon master" certified by some hot-shot pistol school, you're not going to be combat-effective with two broken thumbs.

Those Size 12s

Take a look at your foot positioning in relation to the pedals. Assuming we're using a vehicle with automatic transmission, your left foot should be placed on the fake pedal or the floorboard all the way to the left of the brake pedal. This



Above: In a known hazardous environment, some vehicles pose a greater threat than others. A van can disgorge several armed assailants in a heartbeat.

Right: Shoulder holsters are less than ideal for some uses, but particularly lend themselves to vehicular work.

allows your hips to stay wedged into the seat. Now, place your right foot under the brake pedal so it is against the floorboard. Obviously we're not driving in this position, it's for measurement only.

What we are attempting to establish here is your ability to reach the floor under the brake pedal. If necessary, you will be able to use 100 percent of your brakes. After measuring the correct amount of legroom, place your heel at a comfortable pivoting point between the brake pedal and the gas pedal. Your right foot should control these two pedals. For maximum brake control your right knee and big toe should be in a straight line over the brake pedal.

Side mirrors should be adjusted, so the side of the car is slightly out of sight. This will allow you to see more of the blind spot. Remember every vehicle mirror has a blind spot. When changing lanes, a head check after the mirror check is always the best method. The rear view mirror should be positioned allowing you the most visibility through the rear window of your vehicle.

In The Driver's Seat

You've now placed your body in the



ideal position to control your vehicle. Not simply for cruising lazily down the highway, but for the aggressive, gut-wrenching maneuvers that may make the difference between telling your story to your partners or having them read about it in your obituary. With this behind us, let's talk about the side of driving your high-school coach never even thought about.

Ricci warns we must establish and retain a comfort zone. This is a safe

amount of space around our vehicle in all four directions as it moves along. This space should be enough to allow you the time to escape in the event of a road hazard or an attack.

The second rule is to scan well ahead. Many driving schools preach to look at least 12 seconds ahead. This allows adequate time for the driver to identify, interpret, and react to a given situation. While he agrees with this rule, Ricci has found

it difficult for most people to judge exactly what 12 seconds is in a moving vehicle. So, make it simple. Look ahead as far as you can see. If you can see it, you should predict that it might be a potential hazard.

Two Second Rule

As a general rule, when following a vehicle, you should try to leave a minimum of two seconds of space in front of

you. Pick a stationary object in or on the side of the roadway. Once the car in front of you passes this object count off "one one thousand, two one thousand." If you reach the object before you finish counting, then you need to slow down and leave more following distance.

Ricci believes most planned attacks are based on a perceived target weakness. It's very difficult to overcome once the attack process takes place. Generally, an attack is based on a specific target; this target allows the attacker to achieve a specific goal. The most popular goal would be based on financial reasons, however other popular reasons revolve around religious and political issues.

Deliberate vs. Random

Ninety percent of the time, an attack is a well thought out plan, right down to the very last detail. Advanced planning and threat detection play a very significant role in being safe. Once in route, the driver must pay attention and recognize a dangerous situation (ambush or roadway hazard). The main reaction should always be to keep the vehicle moving.

On occasion, you may be the target of a random attack, the consequences of being in the wrong place at the wrong time. This is common in large cities where carjackings are more common. Sometimes your run-of-the-mill street thug will plan to hit the next car that looks like the owner has money. You might just happen to be it.

The only reaction at this point would be to get the car moving. A non-professional terrorist has not put much planning into his/her crime. Therefore, the plan will be easier to foil. Don't be a victim of circumstance. Learn to recognize a dangerous situation and move!

Three Step Plan

It matters not what type of attack you may encounter, there are three key elements to all attacks. Surprise, Control and Escape. The attacker must first be able to surprise you. For example, if a thief came skipping up to the side of your vehicle wearing pink tights and politely said something to the effect of: "Scuse me, I would like your car," would you laugh uncontrollably at him or would you get out and hand over the keys?

I trust your response would be to laugh and drive away with a great story for the dinner table that night. Surprise, on the other hand, would be some dirtbag at your window waving a weapon and screaming, "Get out of the car... give me the money!"

Don't fool yourself into believing you're always going to be mentally prepared for this. Most of us allow our minds to wander when sitting in the "safe" confines of our car. You may be thinking of that report which must be on



Above: Your handgun is not always your best defense. In this situation, flooring the accelerator is a better prescription than any pistol.





A motorcyclist working in concert with a tail car is about to tag the occupants of "Good Guy's" automobile. If the driver had left a half car length between him and the traffic in front, a quick spin of the wheel and touch of the accelerator pedal would have taken him out of the kill zone and possibly flattened the biker in the process.

the boss' desk the next day, or day-dreaming about that pretty girl in the sports car next to you.

Distracted, you inadvertently pull too close to the car in front of you. Now is when you are the most vulnerable to an attack. You didn't leave an escape route. Your options have been seriously reduced.

Once the attacker has the element of Surprise working for them, they will attempt to take Control. In order to control the situation, the assailant may decide to get rid of the only thing standing between them and what they want.

This is you, the intended victim. The attacker must either take control of you, or get rid of you. Once they are in control, they would be free to accomplish their goal. That might be to take your car, take your money, take your belongings, take your child, or even take your life.

The final element is Escape. Most criminals do not want to get caught. They prepare an escape plan and strike when conditions seem to favor their success. It would be very unlikely a thief would attempt a carjacking in the middle of rush hour traffic. Early mornings or late evenings tend to be time of greatest potential.

Don't Be A Sheep

So now, knowing what's on your adver-

saries' mind, how do you beat him? You need to react quickly. While your attacker is in the surprise mode, change his thought process by surprising him right back. Criminals are used to a sheep-like response on the part of most people. Let him find out he's accidentally tackled a wolf.

How you will accomplish this depends on the type of attack. In a carjacking, you might be able to drive into the attacker, causing them to back away in fear of getting run over. In a more serious attack such as a blockaded road, you might drive around, reverse out, or even ram your way through the barricade. To be successful at any of these techniques the driver must react instantaneously. The first half-second is critical to beginning your evasive action.

Think about this one. You approach a blind corner and to your surprise a van pulls out in front of you. When the van stops five armed men jump from the sliding door and begin shooting. The time it takes for this varies depending on the level of training the bad guys have.

Tempus Fugit

A well-trained team practiced in this drill will be firing as soon as the door opens. You will probably have anywhere from three to six seconds to get out of the kill zone.

Now go back and carefully re-read the last sentence. This is not three to six seconds to say, "Oh my," or "Golly Gee Willikers," or whatever might naturally spill from your lips at the sight of such an orchestrated attack. Nor was it three to six seconds to react. It is three to six seconds to escape the kill zone. This means that your reaction time must be instantaneous if you want to survive.

If at all possible, accelerate, drive around the barricade and keep moving as fast as possible. It takes less time to keep the vehicle going straight than to try for some involved evasive motion. It's also far more difficult to hit a moving target, even for a trained shooter.

If the bad guys have the road in front of you well barricaded, you may have to back-up and possibly perform a J-turn. The main purpose for a J-turn is not to look like your favorite action hero. It is to put as much time and space between you and the hostiles so you may escape to a safe haven as rapidly as possible.

Situational Tactics

Your adversaries' weapons will determine your tactics. If the bad guys are chasing you with baseball bats, once you've put about 90 feet between your car and the bats, you really do not need to perform a risky maneuver like a J-turn.

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Increase your tactical options

After all, a J-turn puts you at more risk of crashing, and they are difficult to perform without much practice. The best method would be to just turn around and exit out of the area. Ninety feet is only three seconds at a speed of 20 miles-per-hour.

If there is a barricade both in front and in back of you, your escape route is totally blocked. You should get the car moving and keep it going as long as you can. Your car is now the best weapon you have at your disposal until you cannot use it any more. Just because you are blocked-in does not necessarily mean you cannot use your car to escape. There is always a last resort option.

If absolutely necessary, you could ram your way through a barricade. Done correctly, this tactic can be very successful. Ramming a vehicle out of your path of travel should never be thought of as your primary escape technique. It is only used if all else fails or you are left with no other escape route in a life or death situation.

Firearms

As we've discussed, the best weapon with which to combat most ambushes and attacks is that big pile of Detroit steel you're driving. However, those who carry a firearm need to give some thought to

the best holster for possible use in the car. It should be comfortable and configured for rapid access.

Pocket holsters, behind-the-back holsters, and holsters that cant the grip to the rear should be avoided. You must be able to smoothly draw the weapon from a seated position with economy of motion. Many so-called firearm experts discourage the use of shoulder rigs or cross draw holsters. If you do a lot of driving, or work out of your car, these may be just the right tools for the job.

Additionally, practice your draw technique from a seated position. Stand-up firing range practice won't do you much good when you're trapped behind the wheel. There are many good shoulder and cross draw rigs out there. Remember, you get what you pay for.

Most of us will drive many hundreds of thousands of miles in our lifetimes. Thankfully, these miles are usually uneventful, with the biggest risk being sore, cramped muscles as the result of a long drive. But this mind-numbing complacency can be shattered in an instant. Your best defense is to think ahead and prepare yourself for the unexpected. After all... we don't live in "Mayberry" any more.



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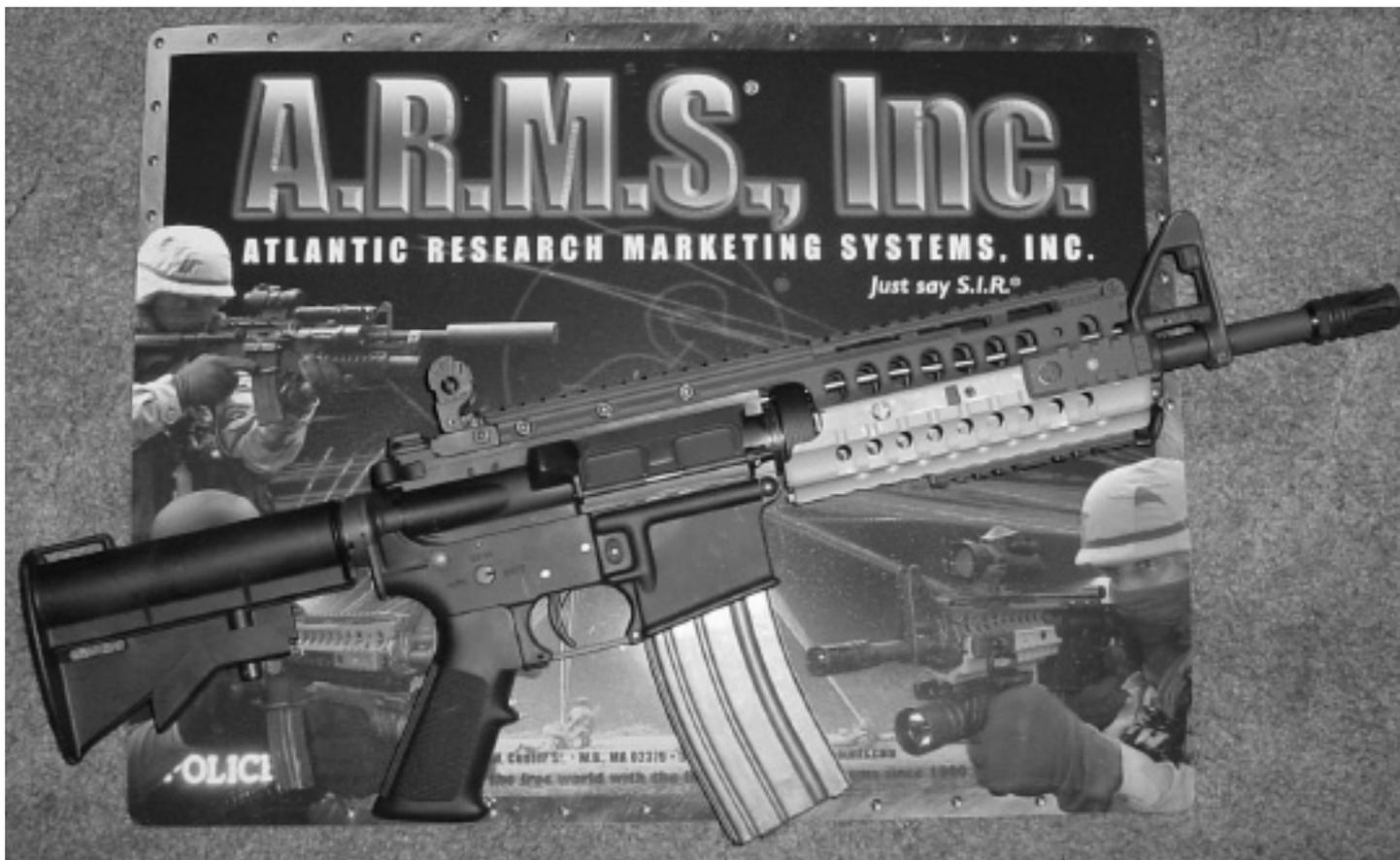
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— Clint Smith



Else is a Game



By Roy Huntington Editor,
American Handgunner Magazine

Shooting can be a hobby, a passion and even a lifestyle for some, yet many (most?) often lose track of why we own defensive firearms. From IDPA to IPSC, from hunting to highpower shooting, it can all be fun, yet, as Clint Smith, founder and Director of Thunder Ranch says: “Thunder Ranch is about fighting, everything else is just a game.” Everything.

Quick, who won the Bianchi Cup? How about the Steel Challenge? You probably can't remember, and that's because it's not important. Not really important.



“When your techniques are cast in concrete, you’re bound to go under the bow.”
— Clint Smith

But who won the fight for their life against an armed antagonist is important. Very important. And that’s what training is about in the real world. Can a trip to Thunder Ranch or other facility be fun? Absolutely. Can it save your life, or the lives of your family? You bet, and that’s why you should go.

While we’ve illustrated this article with photos from Thunder Ranch, what we discuss applies across the board to any quality school. Basic tactics and training are just that, basic, and most schools should be able to deliver the goods. However, it’s the asides, the details and the tenor of a school that can often set it apart. Listen and watch carefully as you search out your school of choice. Get a feel of what’s expected and then decide.

After some 24-odd years as a street cop, I’ve found several truths to be, as has been stated, “self-evident” when it comes to the defensive use of firearms. First, it’s clear the overwhelming majority of people who own firearms for

TOP- Clint Smith proves the same clearance drills will work on any auto pistol.

RIGHT- Clint (R) and Tom von Rosen, publisher of Guns and American Handgunner, gloat after Tom’s single, 10-ring shot put the threat down in the Terminator. Tom’s Robar Sig P-228 in 9mm ran perfectly.



personal protection — or in the case of working cops, for their job — either don't train at all or train too little.

Perhaps most men suffer from the, "I'm a guy so I know all about guns" mentality and we are the worse for it. When your very life, or the life of a family member may rest upon your skill at arms, what right do you have to fail to live up to the task? You have exactly no right to fail.

These people may rely upon you some day for their survival. Should your play at IDPA, bullseye or worse be the basis of their trust? Hardly. A concerted, focused effort on your part, working with professionals and top-notch equipment, should be the norm and should be what's expected by all concerned. Including you.

Thunder Ranch

Which bring us to the question at hand. What makes the experience, the expense and the commitment of attending a school of arms, like Thunder Ranch, worth the investment? What unique combination of skills, techniques and mindset makes the money involved be placed in the "well-spent" category?

In today's litigation-happy society, to have a personal firearm available for defense and not be able to document training is, simply put, foolish at best and dangerous at all other levels. From a legal responsibility — when you launch that round you can't recall it — how can you possibly face a jury without being able to say, "I had specific training to cope with use-of-force encounters. That training taught me to recognize when my life, or the life of another, was in jeopardy."

Just as importantly — or perhaps even more importantly — the skills to respond are part of the equation. As Clint puts it:

"We are competent here at Thunder Ranch. We aren't mystics. It takes work by you to become proficient."

And work it is. But a labor of love may be the more appropriate title to the endeavor. Where else, but at school, can you learn the kinds of skills that raise the bar on survival in the real world of flying bullets?

And remember, there's never been a

TOP- The Les Baer "Thunder Ranch Special" serial number one, Clint's personal 1911, in the hands of a student. Clint frequently loans the gun to students during classes.

MIDDLE- Yup, that's 50-yards you're looking at and with the right touch, they are easy targets.

BOTTOM- Clearance drills are all part of the regime and are practiced over and over again.





piece of equipment that can or will save your life. Your own ability is what handles that chore. Your willingness to apply the training and skills you have to the job at hand will determine the outcome of the fight. And, as Clint would say, you've only got the rest of your life to do it. However long that might be ...

Mind-Set

Indeed, the physical ability to respond to a fight is one thing, but the "gutpile," as some call it, to respond is something entirely different. It's easy to talk big, or tough or simply too much, but decidedly different when you see the eyes of someone who is trying to kill you. If he's close enough for you to smell the threat, to see his sweat and to count the bullets in his cylinder, then he's so close you'd better not miss — and that shaking hand that appears to be yours won't help. Gutpile.

"Most women have the heart of a German sniper when you dig down and root around a bit with a stick," says Clint. And for good reason. When a woman's family is threatened, there is no

TOP- *The indoor shoot/no-shoot house is rightfully called "The Terminator," since the levels of adrenalin experienced often seem terminal to the students.*

MIDDLE- *Practice makes perfect and here, the author's wife, Suzi and Clint's wife, Heidi (second in line) take on Urban Rifle.*

BOTTOM- *"Thunderville" allows students to experience real-world street fighting, in a controlled environment.*



thought involved, simply an urge, a “must respond” no matter what, no matter how, no matter how many. What if that same woman is well-trained and armed with an effective personal weapon? Think of the difference in the police report if that mother of two is waiting inside of her home with a 1911 and knows how to use it, and when to use it and could use it — if she had to.

There may be a lesson for men here. No amount of posturing, chest thumping or loud voices can stop a bullet. Reasonable responses backed by a blend of a willingness to fight and the skills commensurate to meet the threat suddenly become a deadly combination. There’s no need for games when you can deliver the goods for real. But, having said that, how you act, and look, can enter into the equation — can be a part of the total picture that confronts a potential adversary.

“If you look like food, you will be eaten.” This is simply a fact of life. Casper Milquetoast is alive and well simply because the carnivores haven’t found him yet. Playing at the local range with your weekend IPSC buddies will not build the confidence and mind-set needed to survive a fight. A raised head, a direct look and, most importantly, a real-world ability to respond to the threat, will keep you alive.

“Human beings can be highly motivated, and they’re not always good guys,”
— Clint Smith



TOP- On the ground, rifles in-hand, putting bullets down-range is how you learn.

RIGHT- Teamwork is a vital part of any training. Casey and her partner face-off moving bad guys on the “Charger.”



LEFT- A high level of personal attention is a sign of a good school. "Butt-time" should be at a minimum — you're there to shoot and learn, not sit around waiting. Here, Clint addresses a Defensive Handgun class on one of the ranges. BOTTOM- Sight picture, trigger squeeze ... again and again, and again on the line is what makes it all happen.

"We are competent here at Thunder Ranch. We aren't mystics. It takes work by you to become proficient."
— Clint Smith

It's not right and it's not wrong, it just is. This means that some money invested in equipment, training and skills can, and usually does, spell the difference between a volunteer victim and the fellow standing on a corner telling the responding cops how the big guy with all the blood on him got that way.

As the staff at Thunder Ranch has been known to say:

"If the first person some miscreant mugged had shot him with a big bore revolver, that would have been called 'behavior modification'."

Good... or Lucky?

An investment in first-class training can amount to one or two thousand dollars. That doesn't count the money spent



on firearms, ammunition, related equipment and accessories and prior range time in preparation. So, it costs money, but what else? It costs that most valuable of all commodities — something that shouldn't be spent unwisely. It costs time. Your time. So don't spend it recklessly.

Which means, when you make the decision to go, expect to work. Expect to get bruises, get sweaty, to make empty brass and to listen. Actively. You paid the staff at the school your hard-earned American Eagles, so don't waister their time, your time and your fellow student's time by telling stories.

You already know what you know, now is the time to open the mind and learn what they know. War stories are best left for the back-yard cook-out. Shooting school should be serious business. Treat it as such. Be a professional student, in attitude, demeanor and equipment. Show respect to all concerned — yourself included — by being prepared in all respects.

All of which can do something near magical. It can make you good. Good at identifying threats, good at gun-handling, good at thinking on your (hopefully) moving feet and a good, reliable shot. Reliable being the operative word here. You'll be able to shoot, move and communicate, run the gun and change, adapt and focus as the events unfold. Or, as the drama might play-out on the streets one day.

This ability to bend as the threat changes is vital, and one of the key issues to keeping an open mind. Training is not about techniques that need to remain inviolate, as some may think. You need to apply logic and common sense and prior experience and new knowledge to any situation. In short, you need to be good, not lucky. As Clint might say:

"When your techniques are cast in concrete, you're bound to go under the bow."

Think. Move. Respond. Fight. Don't sink.

On Your Ground

If the red flag goes up, own the ground you fight on. The bad guys have the luxury of choosing when and where to try to take you. Once they make that fateful decision, it's up to you to take the fight from them. There is often no warning, no preliminary posturing, no hint of the pending violence, just an abrupt change in the world around you and suddenly you are in a fight for your life and have to play catch-up.

When this happens is when you apply what you've learned. People shoot you because they can see you. Don't let them see you. Move. Hide. Run if you have to. And, if you shoot them, it doesn't mean the fight's over, it just means you shot

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them. If you expect your shot to do nothing then you won't be surprised when nothing happens.

This is when the "what if" game comes into play. "What if" is something you should play constantly. What if those people over there suddenly ran at me? What if the store I'm going into is being robbed? What if I wake up and as I stand naked as a jaybird, I see a man standing in the hallway? Then, if and when it happens, you'll say, "Hey, I know what to do. I've played this game before." What if. What if you know what you're going to do? That changes the game significantly.

"Human beings can be highly motivated, and they're not always good guys," says Clint. One of your jobs will be — is to be — highly motivated. At class, in your personal life, at work, anywhere. Stay motivated, stay in tune. But you simply cannot be, unless you have the skills involved. And it takes those skills to win. And, among a rare handful of places to get those skills, a high quality school is one of those.

When you choose a school, look at how they train. Are they confrontational, do they stress how their instructors are all "demons of darkness," able to kill with their bare hands? Do they make you feel welcome, or are they more inclined to make you feel as if you are merely fodder for them to practice on? Harsh words, but nonetheless true.

If the school seems motivated to teach, is open-minded to new techniques, firearms and technology and if your inquiries are welcomed and answered completely, you may be onto something. It's your money, your time and your life. Spend it all wisely.

Clint Smith has said Thunder Ranch isn't about shooting, but about not shooting. It's about having the wits to avoid a fight if at all possible. But if you have to shoot, they want you to be the very best possible. And they mean it and if you listen, learn and work, you will be.

And one more thing. If you think you don't need to practice because most shootings occur at close range, and you're a good shot when you're up close: Remember — so is everybody else.



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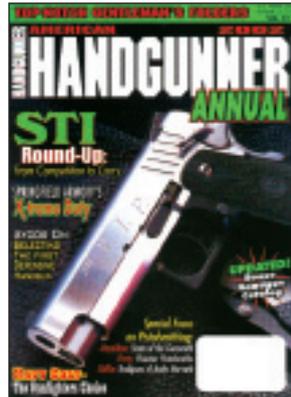


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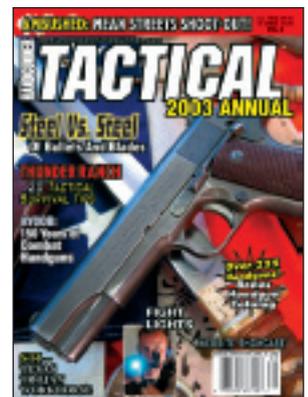


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HECKLER & CUTTING-EDGE COMPACTS — G36C AND MP7 PDW



By Charles Q. Cutshaw

Photos By Ichiro Nagata



Personal defense weapons (PDWs) have been of military interest for some time. The United States issued a PDW requirement several years ago, but never brought it to a solicitation. Britain's Ministry of Defense, however, declared its intent to purchase some 15,000 PDWs between 2003 and 2005.

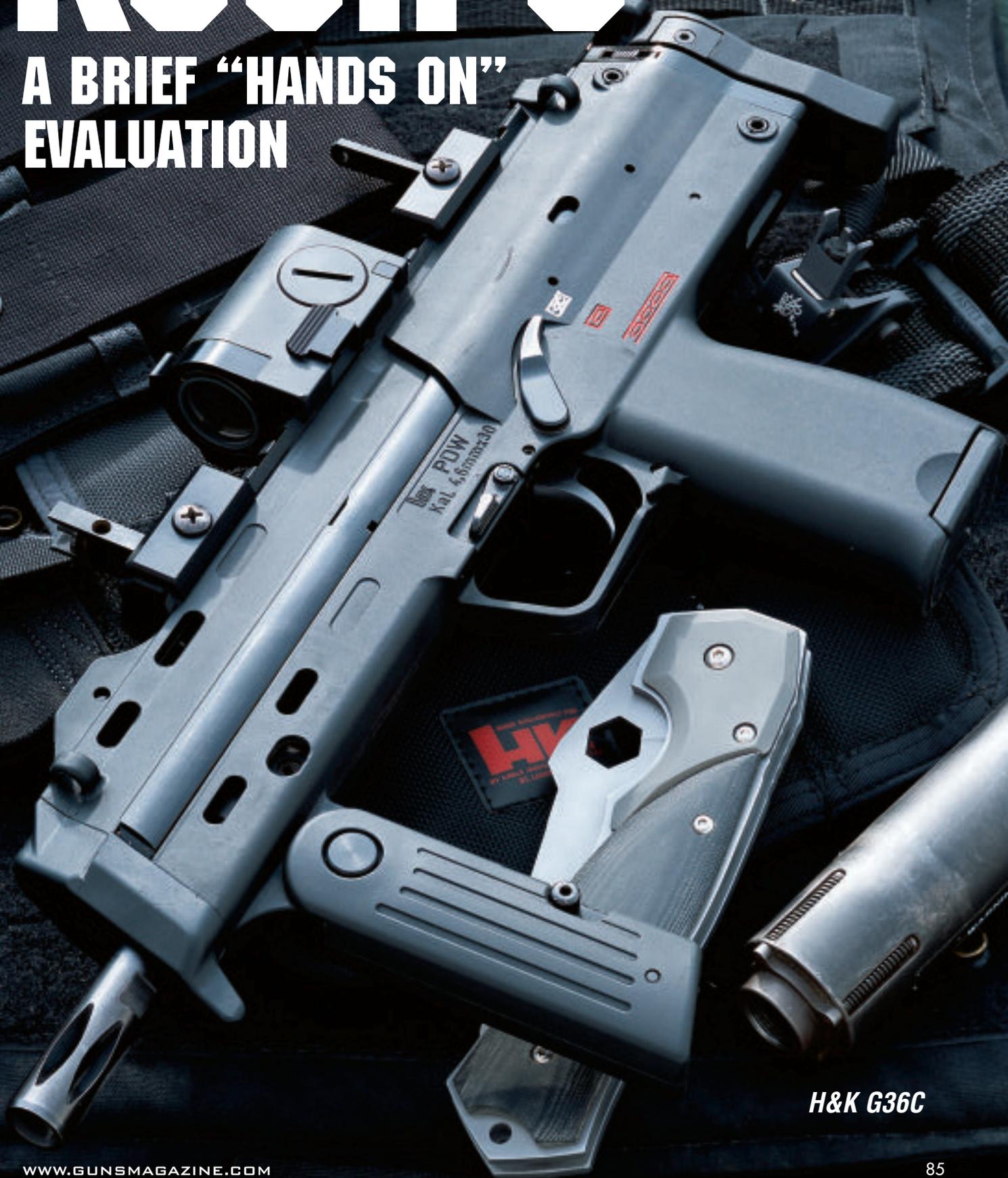
There has been no final action on this solicitation and like the American requirement it now appears dormant.

H&K's MP7 was clearly in anticipation of the UK requirement and others that might potentially follow, although PDWs as a class of small arm have yet to be adopted by any military service.

PDWs are intended to arm soldiers whose duties are not near the forward combat area, soldiers whose duties require their hands to be free, and soldiers whose duties do not normally require an infantry

KOCH'S

A BRIEF "HANDS ON" EVALUATION



H&K G36C

rifle. They essentially bridge the gap between pistols and rifles, being chambered for a cartridge whose ballistics exceed those of the former, but are less than those of the latter.

H&K MP7 PDW

In that context, H&K's MP7 is the quintessence of a PDW. Whether or not PDWs as a class of small arm will establish itself is not within the purview of this brief article, but any new weapon such as the MP7 combined with an untried cartridge entails a degree of risk for the manufacturer.

Technically, H&K's MP7 is a state-of-the-art small arm. The receiver and external components are virtually all of polymer construction, as are other recent H&K designs, such as the G36 rifle and UMP submachinegun. The PDW is chambered for a new cartridge, the 4.6x30mm (.18 caliber), developed jointly between H&K and Royal Ordnance Radway Green.

Detail Inspection

H&K's MP7 is a locked breech, select fire, gas-operated small arm. The gas system utilizes a short-stroke piston to drive the bolt carrier assembly to the rear. The MP7 has a cold hammer forged, chrome-plated barrel with six lands and grooves with a right hand twist. The bolt mechanism uses the tried and true Stoner principle with a multiple lugged bolt in a carrier that uses a cam and pin mechanism for locking and unlocking.

The reflex sighting system is made for H&K by Hensoldt and is mounted on a MIL-STD-1913 rail. The optical sight has relatively long eye-relief, so it can be used either close to the eye when the MP7 is fired as a carbine, or at arm's length when the PDW is fired as a pistol. The optical sight works either by using ambient light

SPECIFICATIONS	MP7	G36C
CALIBER:	4.6x30mm	5.56x45mm
OPERATING PRINCIPLE:	Gas, locked breech	Gas, locked breech
CYCLIC RATE:	700 rd/min	750 rd/min
FEED:	Box magazine, 20/40 rd.	Box magazine, 30 rd*
BUTTSTOCK:	Collapsible	Folding
SIGHTS:	Optical, open sight backup	Open**
RIFLING:	Polygonal, 6 grooves, RH	6 lands & grooves, RH
BARREL LENGTH:	7.08 in (180mm)	8.9 in (228mm)
OAL, STOCK EXTENDED:	21.2in (541mm)	28.2 in (718mm)
OAL, STOCK COLLAPSED:	13.4 in (340mm)	19.6 in (500mm)
WIDTH:	1.8 in (48mm)	2.4 in (62mm)
HEIGHT:	6.7 in (172mm)	8.8 in (224mm)
EMPTY WEIGHT:	2.6 lb (1.2kg)	6.17 lb (2.8kg)

*10 or 100 round magazines optional.

**MIL-STD-1913 rail mount for optical sights is standard.



or under low light conditions, from a battery or tritium insert. There are backup open sights in case the optical sight becomes damaged or is removed.

The MP7 feeds from a detachable staggered-row box magazine. Two magazines are available — 20 and 40 round capacities. The magazine well is in the weapon's pistol grip. The MP7 has a folding foregrip and collapsible buttstock. Cyclic rate is approximately 700 rounds per minute.

Hot Brass And A Caution

We found the MP7 to be very pleasant to shoot. The controls are well-placed, fully ambidextrous and intuitive to use. The sliding buttstock retracts easily into its fully extended position and the foregrip aids in maintaining control in fully automatic fire.

Our only possible complaint about this little weapon is that its barrel is so



short that the potential exists for a user to place his or her hand over the muzzle under stress.

We should note, however, that H&K has placed a "hook" at the forearm tip to prevent one's hand from overriding it and inadvertently covering the muzzle. We preferred to shoot the little PDW using the folding foregrip. The MP7 was easy to control both in rapid-fire semiautomatic and full automatic. Felt recoil was negligible, and muzzle rise virtually nonexistent.

We fired the weapon at ranges of 25 and 50 meters, the latter distance representing about the limit of the realistic effective range of such a weapon. We found it easy to place a high percentage of bullets in the center of mass of our silhouette target. The reader will note from our discussion of the 4.6x30mm cartridge below that the PDW can be used effectively to a range of at least 100 meters.

Shooting the MP7 can best be described as pleasant and uneventful, a tribute to the overall excellent design of the little weapon and its diminutive 4.6x30mm cartridge.

Field stripping the little MP7 for cleaning and maintenance is simple and can be accomplished without tools, unless a cartridge counts as a "tool." The car-

tridge is used to press out pins that retain the upper and lower receiver sections and the buttstock assembly, which retains the recoil mechanism and bolt carrier assembly. The cartridge is also used to disassemble the bolt carrier assembly when required.

The Cartridge Question

A key element of the MP7's design is the 4.6x30mm nontoxic cartridge. The bullet is of solid steel, copper plated and weighs 24.7 grains (1.6g). It leaves the muzzle at 2,379 fps (725 mps), with muzzle energy of 312 ft-lb. (420 joules). In contrast, the standard NATO 9x19mm cartridge has a muzzle velocity of 1,299fps (396 mps) and a muzzle energy of 430 ft-lb. (583 joules).

The 4.6mm bullet has a high ballistic coefficient, and is fired at a higher velocity than the 9mm, which gives it a flatter trajectory and greater range. The 9mm bullet, for example, will not defeat the standard NATO CRISAT target (1.6mm of titanium and 20 layers of Kevlar®) at 50 meters. The 4.6mm bullet, on the other hand, will defeat it at over 100 meters, with sufficient velocity to transfer 85 ft-lb. (115 joules) of energy into and completely perforate a 150mm thick block of ordnance gelatin behind the armor barrier.

This greater penetration is due to the higher velocity of the 4.6mm bullet, as well as its construction of copper-plated solid steel, while the 9mm bullet is copper with a lead core. H&K states the PDW's 4.6mm bullet will also penetrate NATO's CRISAT armored personnel target at 200 meters.

The Big Question

Although we cannot dispute the claim, the ability of so light a bullet to inflict an incapacitating wound after having passed through 1.6mm of titanium and 20 layers of Kevlar(r) at any





4.6x30mm cartridge offers improved penetration in comparison to standard NATO 9mm pistol ammunition, its actual terminal ballistics are sure to be questioned due to its small permanent wound cavity.

There may also be objections because adopting the MP7 will add another small arms caliber into an already complex ammunition logistics system. Only time and the acceptance of PDWs as a class of weapons will tell whether H&K's latest product will be a success.

New G36C

H&K's G36C (Commando) is the

range is questionable. Particularly so in light of reports of the lack of terminal effectiveness of 5.56x45mm SS109/M855 ammunition in both Somalia and Afghanistan.

Further, the tiny 4.6mm bullet cannot create a large permanent wound cavity — a key element of wound ballistics performance. H&K and Radway Green are also developing tracer, frangible, JHP, training (Solid copper bullet), blank and plastic training ammunition for the PDW.

In sum, H&K's new PDW is an excellent overall design. It is handy, lightweight, and can be fired either as a carbine or a pistol. Despite the fact the



company's latest version of the G36 assault rifle. We will not go into any great detail on the description and functioning of the rifle, as the principal features of the G36 are well known.

The G36 essentially uses a modified AR-18 operating system that incorporates a fixed piston and operating rod to drive the bolt carrier to the rear. The G36 is an excellent overall design and has been adopted by several nations as a standard infantry rifle. The G36 is noted for its reliability under adverse conditions and its simplicity of operation.

The G36C is intended primarily for

special operations units that require an extremely compact carbine for close range engagement (CRE) to 50 meters. The G36C combines all of the best features of the larger G36 in an extremely compact package. The G36C is comparable in size to a 9x19mm MP5A3 submachinegun, yet fires the 5.56x45mm cartridge which totally outclasses the MP5's 9mm pistol round.

It is compact carbines, also known as subcarbines, like the G36C that are spelling the demise of the submachinegun in many military special operations units. Pistol-caliber submachine-

guns simply do not have the effective range, terminal ballistics, or versatility of subcarbines, and thus are beginning to be phased out of many major military special operations forces.

Proven Ancestry

The G36 is lightweight, versatile, easy to operate and like most H&K firearms that we have encountered, pleasant to shoot. If its parent G36 is any indication, the G36C will also prove to be extremely reliable.

The G36C incorporates MIL-STD-1913 rails on the upper carrying handle and lower forearm to mount optics and other accessories. The example we test fired was equipped with a Knight's Armament foregrip that clamps to the adapter rail. This foregrip makes the weapon easier to control on full-automatic fire.

The G36C is also equipped with an advanced design, Vortex-type flash suppressor that virtually eliminates muzzle flash, which is always a problem with short-barreled carbines due to incomplete combustion of powder in the shortened barrel. Although the G36C has a short sight radius, we did not find that to be a problem in our shooting.

Final Verdict

Whether we fired semi- or full-automatic, the little G36C was easy to control and keep on target. There was slight muzzle rise, but it was easily controllable.

In the final analysis, we found the G36C is a very satisfactory weapon, based on our brief experience with it. The reliability and ruggedness of the parent G36 rifle is well established. If this new addition to the G36 family approaches its parent rifle in these areas, it will appeal to any organization seeking a compact carbine for close range engagements.



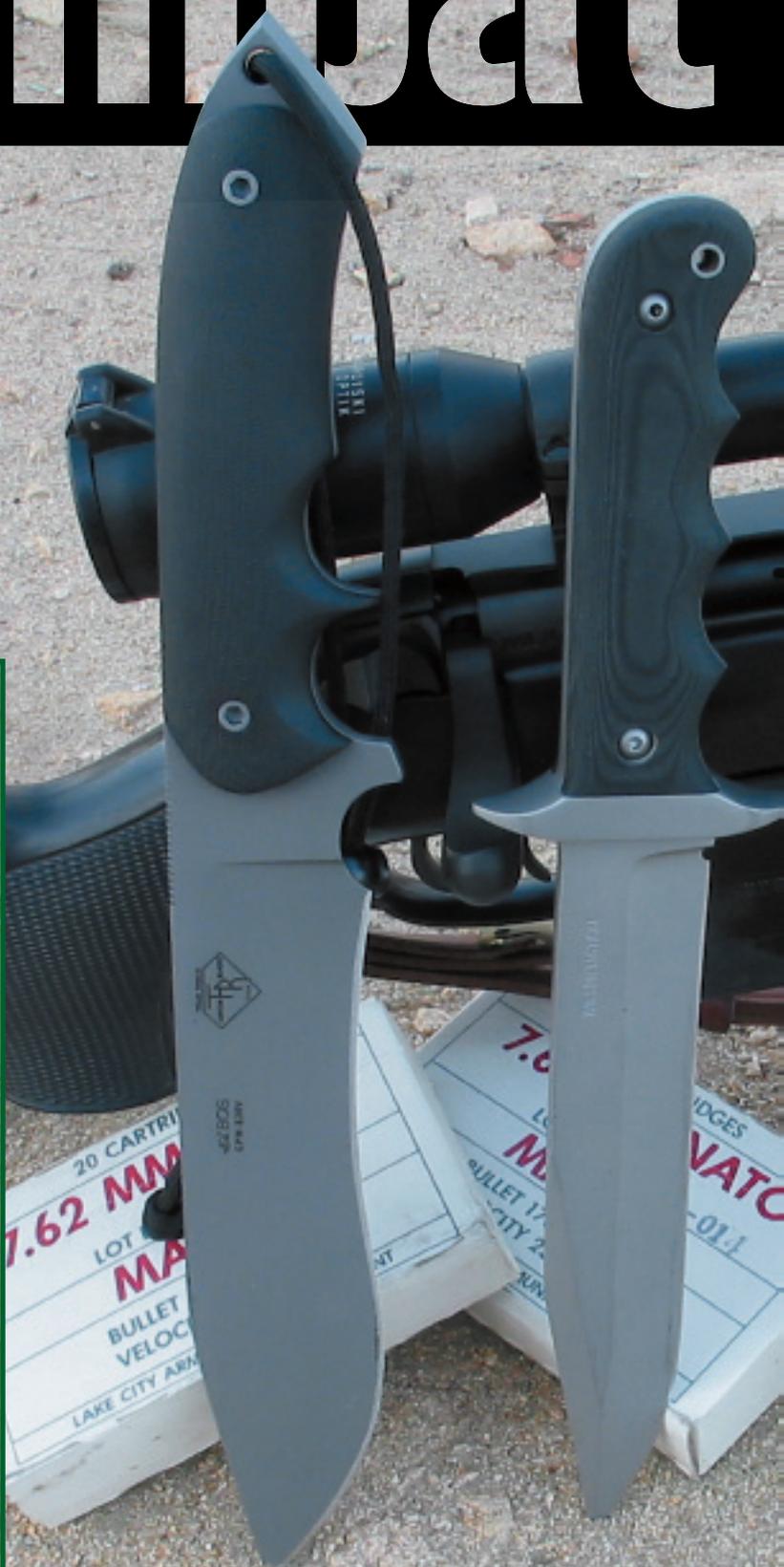
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Combat

A sharp cutting tool can be a lifesaver — but only if it can be counted on not to fail when put to the test.



Our three production blades look a bit less pristine after chopping their way through tough old 2x4s.



Choppers

These three custom blades may look attractive, but testing showed them to be all business. (L to R:) Rinaldi Warhawk, Wilson Integral Fighter and Simonich Combat Raven.

Whether chipped flint or obsidian blade, Bronze-age dagger or hand-forged Bowie, a sharp edge has often meant the difference between living and dying throughout and before recorded history. The same can be said today.

Look at the modern American soldier in the field. He's armed with the M-16A-2 rifle, perhaps fitted with the M-203, 40mm grenade launcher. His body armor and night vision gear are the best in the world. He's linked by radio to support fire ranging from artillery to airdropped munitions. Coupled with his training and fighting spirit, all of this technology makes him an awesome opponent.

But if you could pick up the average G.I., turn him upside down, and give him a good shake — sooner or later you're going to see a knife fall to the ground. Now as in time immemorial, a fightin' man likes to have a good sharp blade at his side.

Good is the operative word. In a tight spot, you need gear you can depend on. With this in mind, we decided to test six big, tough field knives. Three will be bargain priced production blades, and three will be from noted custom makers. They'll be subjected to use and abuse — and pass or fail — we're gonna let the chips fall where they may.

Big Steel

Why big honkin' knives for field use? Because you never know what challenge you'll be faced with. For most average tasks, a Victorinox or a Leatherman tool will suffice, and in fact, are more versatile.

But you can't pry open a case of ammo with your Swiss army knife, and you can't chop a firing port in a mud-brick

Production knives tested include (L to R:) Timberline Zambesi, SOG SEAL Knife 2000 and Becker Combat Utility-7.



wall with your Leatherman. A big, rugged field knife may not be intended for such tasks, but it'll take them on.

Motivating Factor

The art and science of making knives has changed more in the last 40 years than it did in the previous millennium. The reason is the widespread emergence of the custom knifemaker.

These guys lie awake nights trying to puzzle out more efficient blade shapes and tougher handle materials. Ask them about blade steels and their eyes will glaze over as they describe different alloys and hardening procedures. These custom makers test their knives, often to the point of destruction, in the constant search for the best-performing, toughest blades possible.

One happy off-shoot of the custom knife phenomenon has been the emer-

gence of the custom collaboration knife. Custom knives aren't cheap. You can argue, as I do, they're worth the tariff. After all, what's your life worth? In addition, a knife made just for you brings all the same satisfaction and confidence of a custom-tuned 1911, tweaked just to your specifications. Regardless, we're still talking a lot of greenbacks.

The collaboration knife is a production version of a popular custom design, made under license. The result is usually a hell of a bargain. Two of the knives we'll be reviewing are the products of such collaborations.

So, enough hot air. Let's take a close look at these six knives, then beat hell out of 'em to see if they're trustworthy or trash.

Method To Our Madness

The test protocol will be as follows. First, the knife will be used to slice paper

simply to test for a smooth, sharp edge out of the box. Any blade failing to pass will be sharpened using a Syderco Sharpmaker until this criterion is met. Next, to check the ability to hold that good edge, we'll chop through a 2x4 stud twice, and then see if the knife can still cleanly slice paper.

If the blade is still in the running, we'll get a little meaner. Driving the knife's point into the 2x4, we'll lever it out to the side and try our best to break it off. If the knife survives this stunt 10 times, we'll call this a pass.

We know we shouldn't use our knives as pry bars, but we also know — sooner or later — we're going to. I've seen two blades from a highly respected maker of "tactical knives" snap off just above the handle due to hidden tooling holes and poor heat treatment.

To test our current candidates, we'll clamp them up next to the scales, and

Becker's Combat Utility-7.



then put 170 pounds on the protruding handle. As a final check, the back of the blade will be struck full overhand against the horn of an anvil. An improperly tempered blade or one with a hidden crack will not stand up to this shock.

BK&T Combat Utility-7

First up is Becker Knife and Tool's Combat Utility-7. The CU-7 is the product of noted designer of innovative mountaineering equipment, Ethan Becker. BK&T knives are manufactured by Camillus Cutlery. If we were judging a beauty contest, the CU-7 would come in dead last. It ain't pretty. But it is pretty scary.

This knife, when first drawn from its sheath, was as sharp as any blade we've ever seen. Like all three of the production knives tested, this one features a powder-coated blade. The scales are well shaped, and made of a tough glass-filled nylon. They're held in place by three, 3/16 inch diameter socket-head screws and nuts. We found these screws had been installed with a thread-locking compound. This is good attention to detail. The tang extends past the scales, a valuable feature for both utility and fighting use.

The sheath is made of Propex nylon, with an accessory pocket sewn on (a good thing), and a Kydex safety-liner (a very good thing). Frankly though, it doesn't measure up to the apparent quality of the blade. If the blade survives testing, it will deserve a better scabbard.

As mentioned, the blade arrived incredibly sharp. It sliced paper as slick as a straight razor. Chopping through the 2x4 was no problem, and the large hand-filling grip gave a good sense of control. We expected the powder coating to chip off the blade, but it held up perfectly. Examining the blade showed no hint of dulling, and indeed, the blade continued to slice paper with ease.

Ten times, we drove the point into a well-seasoned 2x4 stud and tried to snap it off. Result? No chips or cracks, and the point remained straight and true. Likewise, the knife withstood both the 170-pound static force and the anvil shock tests. Especially considering the modest price, the CU-7 is one hell of a blade. After the testing, this blade seemed kinda' pretty after all.

Rinaldi Warhawk

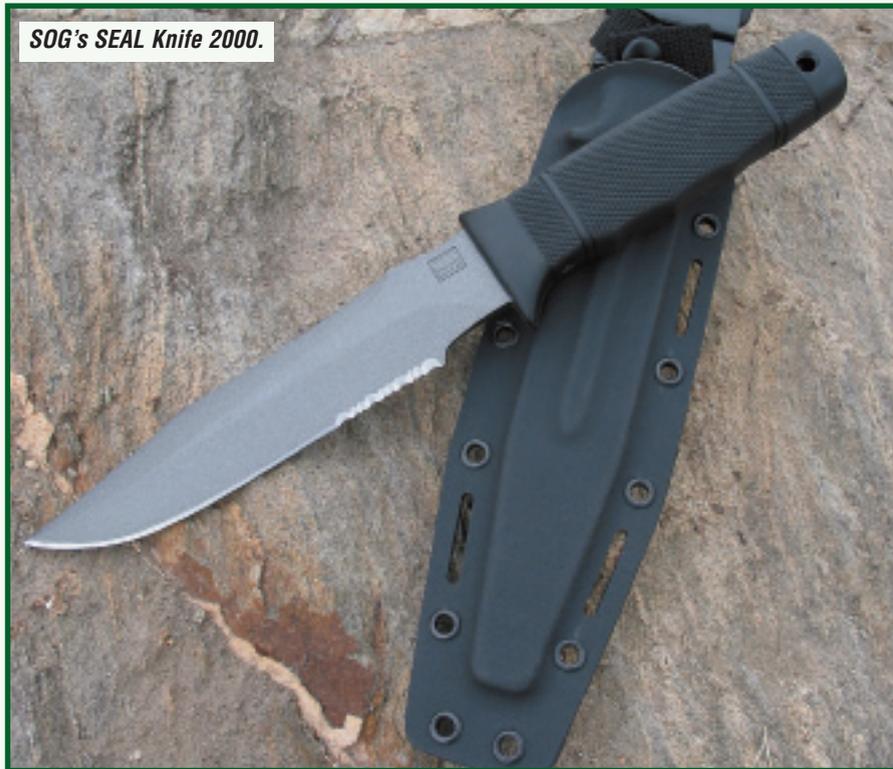
The first custom knife we'll inspect is the Warhawk, by Trace Rinaldi. Rinaldi's knives are highly regarded. They're innovative in design, excellently crafted, and fairly priced. Rinaldi's favorite blade steel is CPM-S30V.

"It's the first specialty alloy designed exclusively for knifemakers," he explained. "It offers all the benefits of stainless-steel, and when properly heat

Warhawk custom blade by Trace Rinaldi.



SOG's SEAL Knife 2000.



“The Warhawk shredded paper as willingly as an Arthur Anderson accountant.”

**Custom Combat Raven
by Rob Simonich.**



treated, it's extremely shock resistant.”

The Warhawk's blade is flat ground and wickedly recurved. Interestingly, the edge did not feel smoothly polished, as did the others. Rather, running a thumb along the edge gave the impression of micro saw teeth. Regardless, the Warhawk shredded paper as willingly as an Arthur Anderson accountant, so we left it alone.

The knife's scales are of textured G-10, retained by No. 8 socket-head cap screws. The deeply notched choil allows you to choke up on the blade when desired, and the finger grooves lend a very secure feel. One particularly excellent feature is the extended tang.

If desired, Rinaldi will grind this to a steeply beveled point. This provides a surface for rough work — prying, breaking glass, etc. — allowing you to keep the main blade razor sharp.

Rinaldi also crafted the Kydex scabbard. It offers excellent retention, and the para-cord wrapping makes it less noisy than most.

The Warhawk ate through the 2x4 in huge bites, and remained just as sharp after this little workout as before. It also laughed off our efforts to snap off the tip. We applied the static load both at the mid-point of the blade and against the scales. There were no surprises. Driving the back of the blade as hard as possible against the anvil did produce a dent — in the anvil. The Rinaldi Warhawk is one tough SOB.

Seal Knife 2000

SOG Specialty Knives claims its SEAL Knife 2000 was the: “Winner of one of the most extensive testing and evaluation programs ever undertaken by the U.S. Government for the Navy...” The blade of the SEAL Knife 2000 is stainless, but is nevertheless powder coated for low reflectivity and further corrosion resistance. While several of the knives in our test are available with a serrated blade section, this feature is standard on the SEAL Knife 2000.

This product is the only production knife in our tests to use a cast-in-place handle. This means no screws to possibly loosen with hard use. The handle offers a comfortable and secure grip thanks to very good molded-in checkering. The cast handle fully encloses the tang, so the first thing we did was to hammer the butt end of the handle against the anvil 10 times. Result? Nary a crack or chip.

The sheath of the SEAL Knife 2000 is extremely well designed. Made of Kydex, it features both primary and secondary retention, as well as a number of carry options.

Out of the box, the SEAL knife would cut paper, but felt a little “sticky.” A few strokes on the Spyderco Sharpmaker brought it up to par. It waltzed through the 2x4, and retained that fine edge, slicing

Timberline's Lightfoot-designed Zambesi.



paper afterward as nice as you please.

The point easily withstood 10 attempts to snap it off. Stepping on the handle of the SEAL 2000 in the static load test, we felt a lot of movement. However, it laughed off both this and the anvil abuse tests to finish just as good as it started.

Simonich Raven Combat

Rob Simonich is one of the fastest rising stars in the custom knife world. He offers a variety of highly sought after knives for sportsmen, but his

Raven Combat is a fighting blade through and through.

After the events of September, 2001, Simonich reevaluated his knifemaking process. With orders from servicemen piling up, he ceased lovingly hand crafting his knives from raw stock, and looked for a way to increase his output without sacrificing the quality he has become known for.

The result is what Simonich calls his mid-tech line. His primary concession to speed of production was to arrange

for his blade blanks to be laser cut to profile. From there, it's still handwork as usual. The result is a product every bit as good as the original Raven Combat, and more of these good tools are placed in the hands of those who need them.

The Raven feels like it means business the moment you pick it up. The G-10 scales have an unusual textured treatment called Gunner Grip™. They're sleek and slim, yet we never felt anything but perfect control. The scales are riveted in place to preclude the possibility of loose fasteners.

The Raven is crafted of CPM-S30V, the same alloy Trace Rinaldi prefers. Interestingly, both Rinaldi and Simonich use the heat treating services of Paul Bos, who they praise highly.

The blade is Bowie in style, but with the point left fairly thick for a reserve of strength. The extended tang and double cross guards are worthy features for a fighting blade.

Not surprisingly, the blade was sharp as a scalpel when received. After taking the 2x4 down a couple of notches, it remained so. Ten attempts to snap off the point only resulted in more wood chips littering the ground. We applied the static load test at both the mid-point of the blade and up against the scales, then wanged away at the anvil. The Raven felt as solid as an M1A-1 tank.

The Raven Combat is a heck of a fine knife. Kudos to Rob Simonich for ramping up his production in this time of uncertainty.

Timberline Zambesi

The final production knife we'll test is the Timberline Zambesi. A collaboration with noted custom knifemaker Greg Lightfoot, it's a pretty racy looking piece of steel. The olive-drab coloration of both the Zytel scales and Kydex scabbard is a nice change of pace from the usual "tactical black."

The combination of the long swedge ground into the back of the blade, with the nicely tapered tang, makes the Zambesi feel very light and responsive in the hand. The Zytel scales carry Kraton inserts. Combine these with the finger notch, and the Zambesi feels very secure

SPECIFICATIONS

Make	OAL	Blade Length	Blade Steel	Blade Thickness	Weight	Weight w/Sheath	Sheath Construction	Price
Becker CU-7	12¾"	7¼"	0170-6C	3/16"	13.45 oz.	20.75 oz.	Propex w/ Kydex sleeve	\$69.95
SOG SEAL 2000	12½"	7"	AUS6	3/16"	12.45 oz.	16 oz.	Kydex	\$134.94
Timberline Zambesi	11¾"	6½"	440C	1/4"	11.15 oz.	22 oz.	Kydex w/webbing	\$150
Rinaldi Warhawk	13¼"	7"	CPM-S30V	3/16"	15.65 oz.	22 oz.	Custom Kydex	\$350
Simonich Raven Combat	12½"	7"	CPM-S30V	3/16"	13 oz.	18.4 oz.	Cordura w/ Kydex sleeve	\$299
Wilson Integral Fighter	12"	7"	440C	1/4"	13 oz.	23 oz.	Custom Kydex	\$350

**Custom Integral Fighter
by Ryan Wilson.**



in the hand, even when wearing gloves.

The sheath for the Zambezi is rather imposing. It offers a variety of carry modes, and boasts a clever push-button lock for primary retention of the knife. A snap strap provides double security when needed. In use, the push-button retention system always released the blade smoothly. A little finesse was sometimes required to re-sheath the knife.

The Zambezi cut like a laser out of the box. The 2x4 test seemed a little imposing given the extremely light feel of this knife. Also, the Zambezi gives up an inch in blade length to most of the other test knives. These concerns aside, the Zambezi ate up the 2x4, shaving the paper with ease afterward.

Once again, 10 attempts to snap off the blade point proved fruitless. Nor did the static load test bring any surprises. Striking the anvil only served to knock off a little of the powder coating.

It's worth mentioning the Zambezi's grip screws loosened during testing, and also the blade's finish held up

slightly less well than the other knives so finished.

Wilson Integral Fighter

The Integral Fighter, from Wilson Tactical, arrived just in time to be included. We're glad it did, as it's a beaut. The blade is of the classic Bowie pattern, and if we could offer this knife to old Jim Bowie himself, he'd toss his original cutter into the muddy Mississippi.

Ryan Wilson is the son of noted custom pistolsmith Bill Wilson. His familiarity with a Bridgeport mill shows in this design. The entire blade, including the elegantly shaped guard, started as a homogenous piece of 440C stainless steel. Wilson patiently milled away the rough stock, leaving the blade itself at a robust 1/4-inch thickness.

The scales are of micarta, very nicely textured and secured by socket-head cap screws. The tang does not extend past the scales, but at 1/4 inch in width, there's plenty of impact surface if needed.

Wilson also custom-made the Kydex

scabbard, and it's a nice one. It features both a Tek-Loc attachment for your web-gear, and a belt loop for inside-the-trousers carry.

The blade arrived sharp as razor, and after shredding a little paper, we had at the 2x4 for the last time. The hollow grind and comparatively thick blade stock of the Integral Fighter tended to knock out large chips of wood with each stroke, and we were done in short order.

In keeping with its Bowie heritage, the point of the Integral Fighter is ground very thin for good penetration. Ten times we plunged it into a tough, dry 2x4, and we noted this blade seemed to pierce significantly deeper than the others.

When finished, the point of the Wilson knife had taken on a very slight bend in its last 1/4 inch. Inspection with a 10x loupe showed no cracks, and this extremely slight distortion would in no way put the knife out of action. In our book, this is a passing grade.

Static testing the blade at two locations as well as striking the anvil offered no surprises.

The Wilson Tactical Integral Fighter is a handsome and comfortable knife. Wilson offers a 10 percent discount for law enforcement and military orders. This is most commendable.

So there you have it. We tried our best to break or wear out these big mean cutters and succeeded only in wearing out ourselves. Each of them is fit to trust in a tight spot.

Which is best? Heck, we can't tell you. Preference is highly subjective, and odds are six different guys would offer six different opinions in this regard. What truly counts is these don't just look tough, they are tough.



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BLADE-TECH

The Becker Knife & Tool CU-7 proved to be a real performer as well as a heck of a bargain. As previously mentioned, the furnished sheath left a little to be desired. Perhaps we're being hypercritical here. After all, the CU-7 retails for less than \$70. Regardless, this offered a good opportunity to see what could be had in the way of an upgraded scabbard.

Tim Wegner's Blade-Tech has been producing innovative synthetic holsters, folding and fixed blade knives, knife scabbards and other accessories for nearly 10 years. Blade-Tech's customers include industry, military, law enforcement and sporting users.

A number of small-scale manufacturers of synthetic holsters have come and gone, but Blade-Tech remains. The reason is careful design and a devotion to consistent quality. Travel to any of the best firearms training schools in the country, and you'll see Blade-Tech gear on the hips of both students and instructors.

Blade-Tech's custom scabbards are constructed from Kydex®, an acrylic modified PVC. This thermoplastic material is easily molded to the contours of your knife or handgun, resulting in a rattle-free fit and excellent retention. No supplementary straps are required to keep your cutter in place until needed. Resheathing is also easy.

We sent the CU-7 off to Blade-Tech, and were delighted with the results. The new scabbard is perfectly fitted. The CU-7 slides into place and locks with a satisfying snick.

Primary mode of carry is via Blade-Tech's patented Tek-Lok™. This novel fastener is fast and easy to use, proofed to 200 pounds retention, and may be adjusted for belt width.

The scabbard may be rigged for several different carry modes. We were pleased to note the textured PVC offers no reflection. Because these custom scabbards are built to order, you must call for a current estimate on price and delivery time. For reference, this scabbard for the Becker CU-7 runs \$55. Normal delivery time is roughly two weeks.

Ready for the short version? In case we've left you in doubt, this Blade-Tech scabbard is a first-class piece of kit. 



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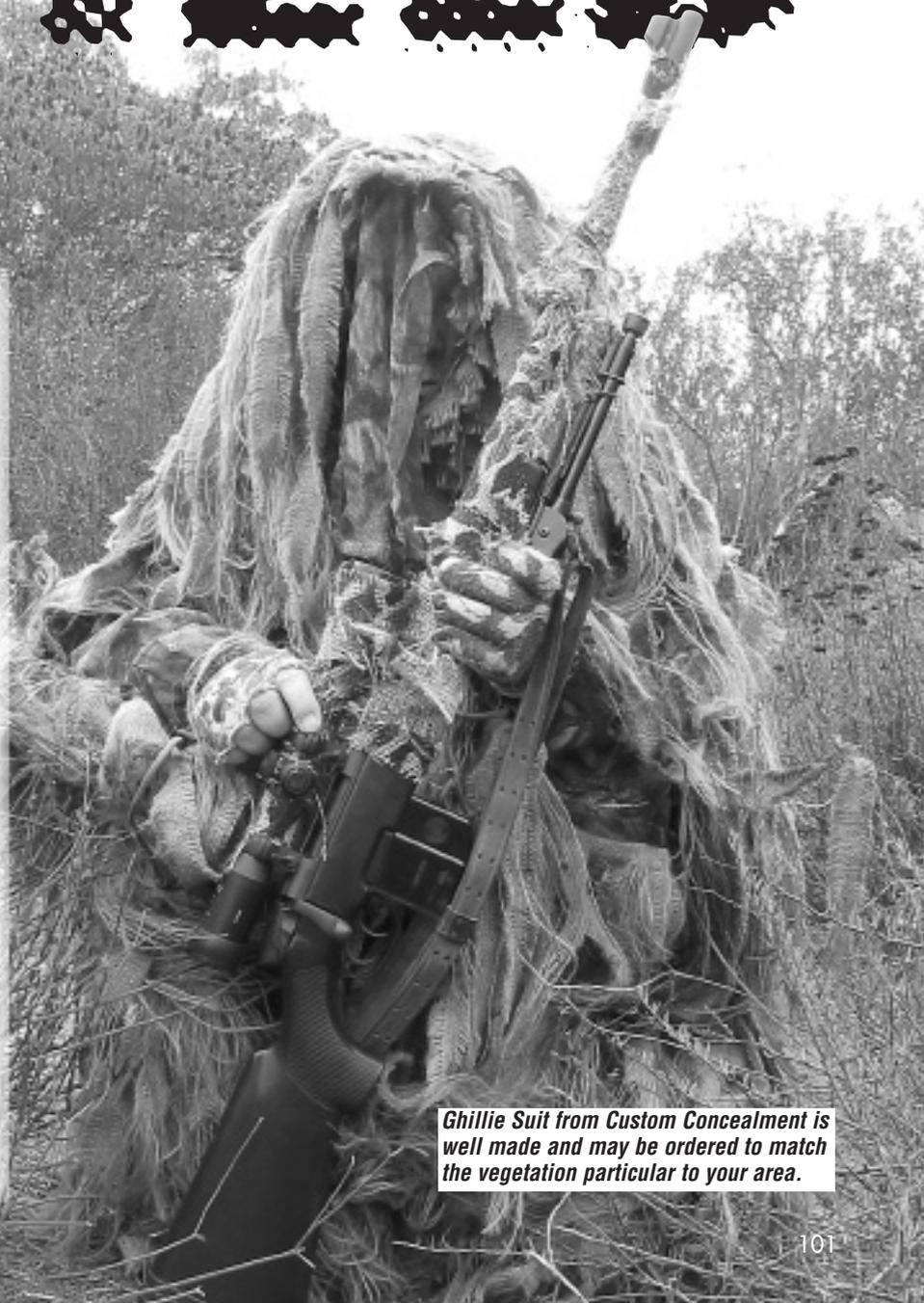
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FIELD

You don't siphon from Uncle Sugar's savings account. Nowhere in your wallet do you carry a credit card bestowed upon you by the Department of Defense. In fact, the closest you've ever come to the government trough is a check you receive once a year, which is a pittance compared to the taxes you pay. So you probably think the last thing you'll ever afford is kit designed for super soldiers.

Now when it comes to getting your hands on some of this stuff, maybe you would if you could, and maybe you wouldn't. Maybe you can't. But the gear created for the tactically-sheik high-tech priests of the covert kingdom, the gear relied upon by desert nomad survivalists and those dropped behind enemy lines, well their gear can be yours, too. Sort of.

What follows here on the ensuing pages is not necessarily Pentagon issued, but nor is it cheap. It doesn't cost nothing, but it won't fall apart. And though it might not be as racy as the stuff clipped to soldiers who paint targets with lasers, who direct with satellites and computers the bombs



Ghillie Suit from Custom Concealment is well made and may be ordered to match the vegetation particular to your area.



Midland's G11 GMRS radios delivered impressive performance.

dropped from somewhere up on high, it's damn close. Close enough to look legit while doing the dirty job of playing survival soldier in the great outdoors.

So flip through the next couple of pages and take a look at what we have here. And though you're free to do with this stuff pretty much whatever you please, keep one thing in mind. Just because you're playing in your backyard doesn't mean your neighbor doesn't have a telephone.

You and I and a handful of other people may know it's pretty harmless to dress up in a ghillie suit while wearing night vision goggles. But your neighbor who spends all weekend cooing sweet nothings while polishing the hood of his red Camaro might not. And if you come snooping through the pine trees armed like a sniper and dressed like a juniper tree, he just might run inside. Should you ever choose to buy some of this stuff, be responsible — so as not to ruin the fun for the rest of us.

Midland G-11 radios

Unlike those handheld animals that rely on the Family Radio Service, Midland's G-11 radios use the General Mobile Radio Service. Though a line-of-sight radio, which means you can't transmit to your bud on the opposite side of the mountain range, these G-11s are the most potent line-of-sight radios available to the streetwalking civilian. If you're looking to talk with someone who is a speck of a crumb atop a mountain 5



Hydration systems from Camelback (left) and Hydrastorm. Both are well constructed and a superior alternative to a canteen.

This Northrop Grumman night vision monocular performed splendidly.





Accu-Shot monopod greatly enhanced the stability of this Steyr SBS Tactical.



miles away, well reach out and tap them on the shoulder. They'll thank you for thinking of them.

Three AAA batteries pump one watt of radio power; four AAAs double the output to two watts. And at the risk of bombarding you with too many adjectives, these radios are tight, compact and sleek. They perform better than any other species we were given to sample. They look like they can take a tumble down the mountain. And they're not so big and clunky you'll accidentally whack yourself upside the head with it and give yourself a concussion when you really mean to simply say, "Roger, 10-4, I copy." They use 15 channels, have two scan modes, and use privacy codes.

Use them to keep a tab on the kids who want their independence but aren't old enough to be left to their own devices. Use them high atop the desert to spot alien aircraft or white ghost trains or black helicopters or cattle stealers. But however you chose to use them, use them outside. Because outside is what they're designed for. And outside is where they work best.

Camelbak and Hydrastorm

Camelbak's logo is "Hydrate or die," which pretty much applies to everything



Leica's LRF 1200 is a phenomenal performer.

from their competitor's Hydrastorm Predator to cactuses standing solo in the Arizona desert.

Sometime during the last couple of years, makers of the Camelbak and Hydrastorm decided man's need to keep himself hydrated no longer required he use his hands, or carry bottles. As a result, water is now capable of being carried on the back.

Both systems incorporate a tube that runs from the bag's bladder to the wearer's mouth, where it subsequently runs to the wearer's bladder. Hydrastorm's unit uses a simple pinching mouthpiece, and sheaths its tube in a protective fabric.

Camelbak's tube is unprotected, but utilizes an on-off valve. Both are well made with sturdy zippers, and offer the wearer plenty of padding and carry straps. Something about Hydrastorm's unit makes it feel more military, even though Camelbak's comes in that ubiquitous Desert Storm camo pattern.

Six of one; a half-dozen of the other. Camelbak's bladder holds 70 ounces of liquid but feels more solid and accessible. Hydrastorm's holds 100 ounces and offers free upgrades. Both will more than

adequately keep you hydrated, and subsequently keep you from dying of thirst.

Custom Concealment Special Operations Ghillie Suit

What we have here is a ghillie suit intended for prey that, according to the folks at Custom Concealment, does not shoot back. Not that they can't outfit you with gear for police and military purposes. They get scads of orders for people looking to disguise themselves in Arctic terrain and tropical forests and even Kansas wheat fields. And though any marine scout sniper will tell you all it takes to make a ghillie suit are burlap bags, a pair of scissors and some thread, the folks at Custom Concealment do a much nicer job than your Corps-trained buddy who now goes by the endearing name Leatherball.

Enveloped in the rich heady smell of burlap and other fibers, Custom Concealment's ghillie suit is very well made. Trouser/chap things offer freedom of movement, and come with adjustable straps. From the hood drops a concealing mesh that covers the face and drapes a scope. They even come with holsters for sidearms.

If you can afford one of these wonderfully strange creations, before you make your purchase spend a good deal of time walking around the lands you hunt and see what kind of environment you want your ghillie suit patterned after. And if you can't afford one of these wonderfully strange creations, call up the folks at Custom Concealment and ask for some promotional fliers. Because almost as much fun as running around the outdoors like a scrappy piece of vegetation is trying to figure out where in the promotional photos Mr. Ghillie suit is hiding.

Bianchi Model UM21P Patrol Pack

Though it will just as adequately hold food and other necessary provisions, Bianchi's Patrol Pack was designed for short-range reconnaissance and other short-duration operations. It can be carried attached to Bianchi's main backpack via the universal attachment system, or it can be worn independently as mission requirements demand.

Key features include: two main compartments for efficient organization of gear, padded shoulder harness that



Bianchi Patrol Pack offers a stunning variety of carrying and adjustment options.

wraps over the shoulders and around the chest, an adjustable waistbelt for customized comfort, and a filter foam back-panel for breathability and comfort.

Integral to the design is a foam padded compression panel for storing additional gear and stabilizing the load. This panel includes the mil-spec universal attachment points allowing attachment of various pouches. It also converts to a seat. With a volume of 1,943 cubic inches, and room for antennae ports, this pack contains every feature you would ever need in a pack, and it's infinitely higher on the "coolness continuum" than anything you'll find at Billy Joe Bob's sport store.

Northrop Grumman M914 Monocular Night Vision Device

Simply put, this monocular from the folks who make hardcore military electronics just works well. Distributed by OMAI, this is no piece of fuzzy Soviet hardware. Take it outside for a spin in the woods on a dark and stormy night and everything appears to bask in the emerald glow of a green sun. Figures walking in the distance are visible through bushes. Bunny rabbits hop to and fro. Trees and rocks are seen with enough definition to easily climb.

Though designed to mount to the cur-

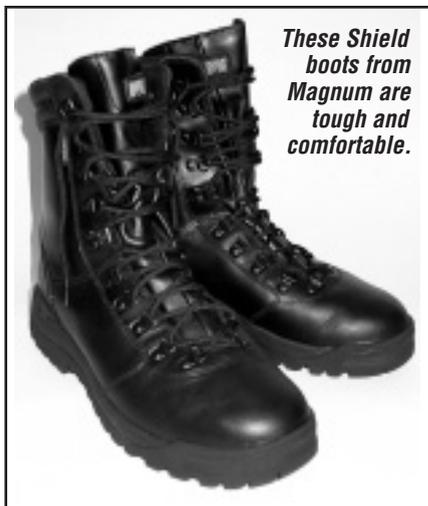
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rent-issue kevlar helmet or a specialized headband, the M914 comes with a lanyard and can be easily held to the eye. It weighs only 420 grams, comes with an infrared light-emitting diode, and offers automatic brightness protection. It offers the viewer three fields of view: 1x, 3x and 5x. And should you be clumsy enough to fall into a lake with this piece of hardware rapped around your neck, it is waterproof for 30 minutes in up to 1 meter of water. It is powered by 2 AA batteries, and is important and sensitive enough that exporting this little gizmo out of the country requires the approval of the Department of State.

Accu-Shot Precision Monopod

This nifty monopod transforms any bipod rifle into a secure tripod. And if you've ever sat in front of a professional camera or placed a speaker atop a wedding dance floor, you know that three legs are sturdier than two, and maybe sturdier



These Shield boots from Magnum are tough and comfortable.

than four. Ergo, Accu-Shot's monopod. Crafted of soft synthetic, steel and aluminum, Accu-Shot's monopod quickly attaches and detaches to a swivel stud, and by its very existence eliminates the need to carry around a little bag of sand. Like all good monopods, it offers a wide range of movement.

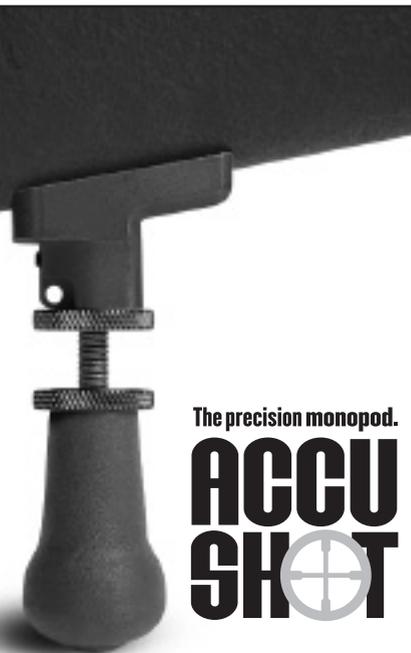
Magnum 5352 Shield

Boots are one of life's essentials. Rocks twist ankles. Rattlesnakes bite toes. Cold, wet weather numbs the feet. A kick can be more affective than a punch. But all of these enemies of the feet can be subdued with one sturdy pair of boots.

Magnum's 5352 Shield boots are full-fledged leather boots with a steel shank. So sink your teeth into that, Crotalus. They also have a gusseted tongue, and are fully waterproof and wrapped in insulation. They're also friction and slip resis-

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tant, which means they're ideal for both rural and urban environments.

And as if they needed any more of an endorsement, cops really, really like them.

Leica LRF 1200 Laser Rangefinder

You may like to think you're capable of judging distance with your naked eye. But do you pulse 60 beams of light from your eye out to the target and back and then gauge the distance with a computer? Yes, eyes and the brain do perform a similar function. But Leica's LRF 1200 is accurate to within one yard out to 400 yards, and two yards at 1,200 yards. It will read even farther, weather conditions permitting.

Black and water resistant, the Leica's milliradiance, or size of the beam, is 2.3 meters wide by .5 meters high at 1,000 yards. Most systems give a reading of 7 meters by 5 meters at that distance. That's bigger than most double-car garage doors.

So that even at 1,500 yards, you should be able to hit the side of a barn.



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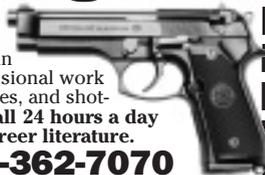
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COMBAT

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

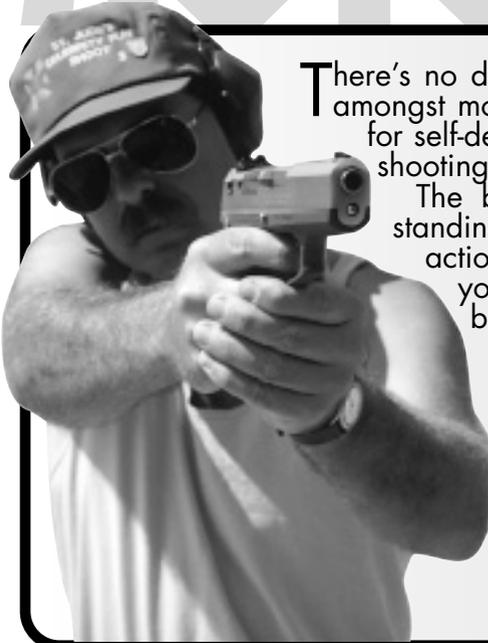
Rifles of all types await your inspection. Fine traditional single shots, the best of powerful bolt actions, and the fast firing semiautos. Need a small frame .22 rifle for teaching your youngsters? You'll find those as well. Let us be your guide!



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.

AUTOMATICS



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)



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)



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)



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



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 G

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 G

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

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

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

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

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

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

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

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

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

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

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



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



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



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



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 Glocks will accept magazines (including high capacity) from the larger, similar-caliber Glock models
Price: \$668 to \$697



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



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)



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



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



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



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



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



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



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



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")



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)



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)



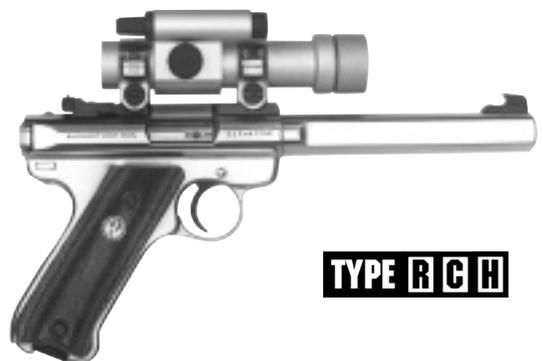
RUGER MARK II GOVERNMENT TARGET

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)



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



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)



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)



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)



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)



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)



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)



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

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

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

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

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

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

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

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

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

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

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



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



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



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



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



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

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

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

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

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

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

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

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

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

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

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



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



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



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



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



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



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



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



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



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)



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

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

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

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

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

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

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

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

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

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

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

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

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

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



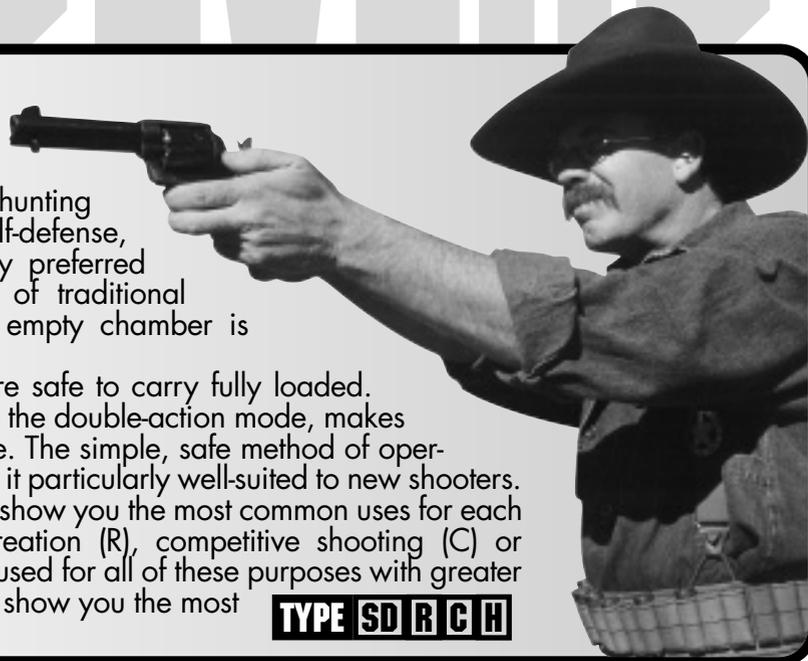
TYPE SD R C

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

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

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

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

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

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

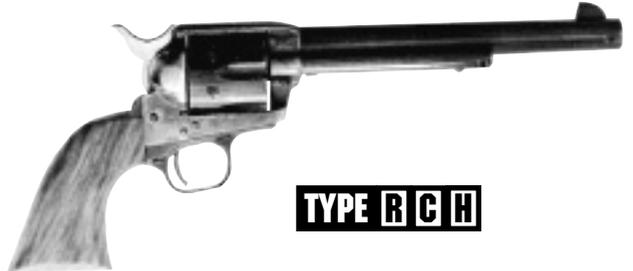
E.A.A. BOUNTY HUNTER

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



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



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



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



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



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

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

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

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

HERITAGE ROUGH RIDER

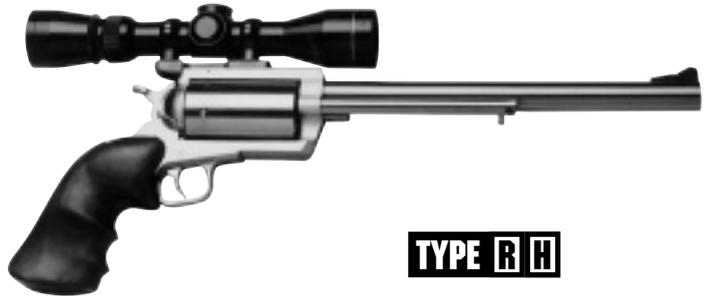
Caliber: 22 LR or 22 LR/22 WMR Combo
Capacity: 6 rounds
Barrel Length: 3.5", 4.75", 6.5", 9"
Weight: 31 to 38 ounces
Grips: Exotic hardwood
Sights: Blade front, adjustable sight or Red Dot Reflex versions available
Price: \$135 to \$239



TYPE R C H

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

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

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



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



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



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



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



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

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

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 R C H

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 R C H

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 R C H

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 R C H

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 R C H

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

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

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 SDRCH

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 SDR

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 SDR

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 SDRCH

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 SDRCH

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 SDRCH

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 SDRCH

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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)



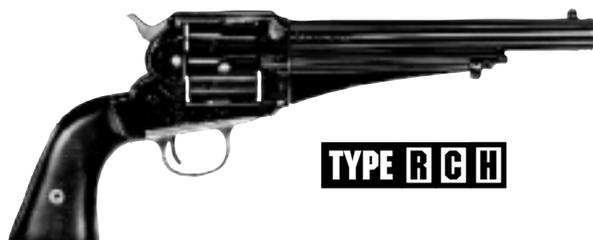
UBERTI 1873 CATTLEMAN

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)



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)



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)

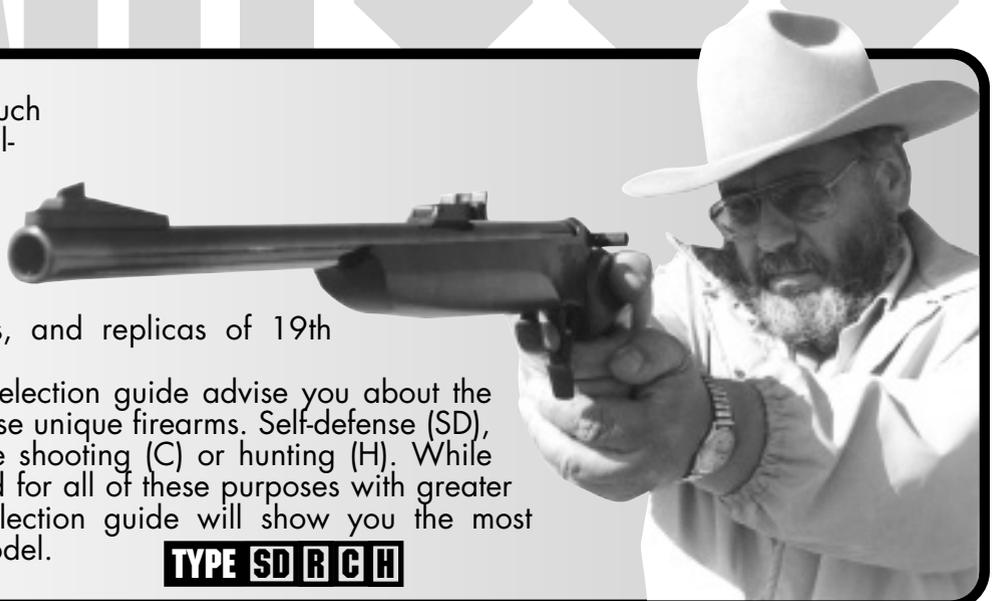


VARIOUS

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

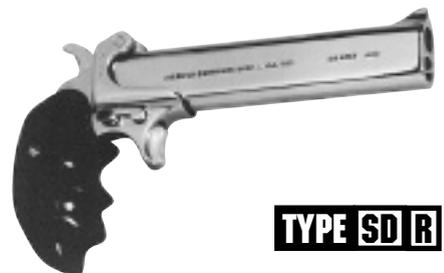
Caliber: 45 Colt/410 ga. (3" shells), 45-70, 44 Mag. or 357 Mag.
Capacity: 2 rounds
Barrel Length: 4.1"
Weight: 16.5 ounces
Grips: Rosewood
Sights: Blade front
Price: \$365 (45 Colt/410 ga.) to \$445 (44 Mag.)



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

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

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

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

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

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

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

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

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

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

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

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)



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 Nygard Precision Products
Price: \$1,295



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



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



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)



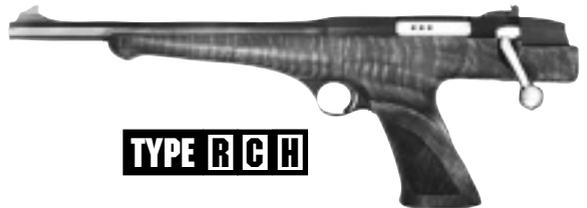
UBERTI ROLLING BLOCK

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



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



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



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



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



Caliber:	22 LR
Action:	Match 54 bolt action, 5 round magazine
Barrel:	22" to 24"
Weight:	6.75 to 7.5 pounds
Length:	42.5"
Stock:	European walnut or black fiberglass with Monte Carlo comb
Finish:	Blue
Price:	POR
Misc	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



Caliber:	22 LR
Action:	Super Match 54, with Fortner straight pull bolt,
Barrel:	21.5", designed for subfreezing weather
Weight:	8.5 pounds with sights
Length:	42.5"
Stock:	European walnut
Finish:	Blued or stainless
Price:	\$1,500 to \$2,395 (left-hand with sights)
Misc:	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.

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.

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 (laminated stock)
Misc: Two stage adjustable trigger, stippled pistol grip and forend, external thumb safety. Imported from Germany by European American Armory.

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.

MARLIN MODELS 17 AND 17VS



Caliber: 17 HMR
Action: Bolt action
Barrel: 22" heavy barrel
Weight: Approx. 7 pounds
Length: 41"
Stock: Laminated black/grey hardwood Monte Carlo stock
Finish: Blued Steel and Stainless(17VS)
Price: \$263 to \$392 (17VS)
Misc: Includes scope ring mounts and safety lock.

MARLIN BOLT ACTION RIMFIRE RIFLES



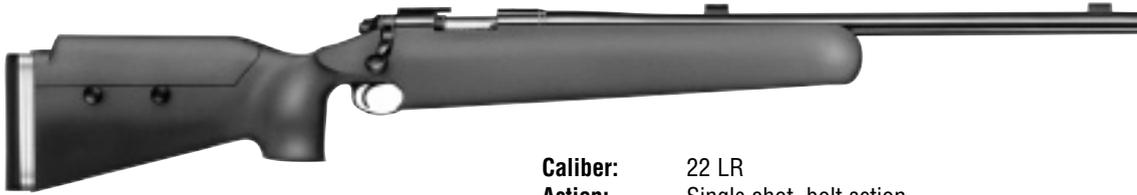
Caliber: 22 LR (880, 880SS, 880SQ, 81TS, 25N), 22 WMR (882, 882SS, 882L, 883, 883SS, 25MN), 22 S, L, LR (15YN)
Action: Bolt action repeaters (880, 81TS, 25N) and single shot (15YN)
Capacity: 880S, 882S, 25N, 25MN: 7-shot clip; 883S: 12-shot tubular; 81TS: 17-shot tubular
Barrel: 22" Micro-Groove (15YN: 16.25")
Weight: 5.5 to 7 pounds (15YN: 4.25 pounds)
Length: 41" (15YN: 33.25")
Stock: Press checkered black walnut, walnut or black synthetic (SS, SQ, 81TS)
Finish: Blue and stainless steel
Price: \$204 (15YN) to \$322 (880SQ)
Misc: Micro-Groove barrels, Mar-Shield finish, Wide-Scan ramp front sights with adjustable rear sights.

MARLIN MODEL 882SSV



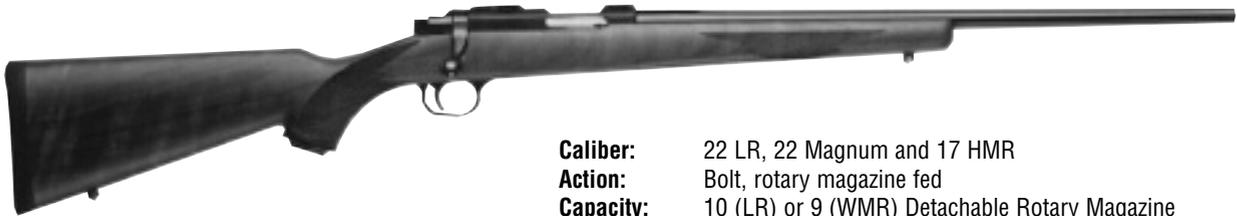
Caliber: 22 Win. Mag.
Action: Bolt action, 7-shot clip
Barrel: Heavy 22" Micro-Groove
Weight: 7 pounds
Length: 41"
Stock: Monte Carlo black fiberglass-filled synthetic with nickel-plated swivel studs and molded-in checkering
Finish: Stainless steel
Price: \$330
Misc: Stainless steel barrel, receiver, front breech bolt, striker knob and trigger stud. No sights are provided; receiver grooved for scope mounts, 1" ring mounts provided, safety lock included.

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)

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.

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.

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.

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.

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.

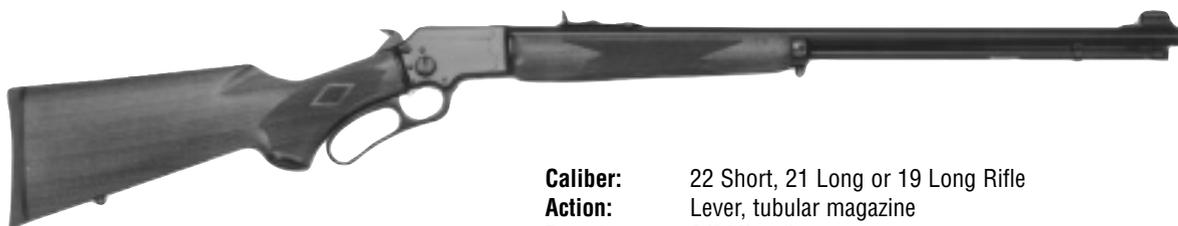
LEVER ACTION RIMFIRE RIFLES

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.

BROWNING BUCK MARK



Caliber: 22
Action: Straight blowback design
Capacity: 10-round magazine Interchangeable with Buck Mark pistol
Barrel: 18"
Weight: 5.8 to 7.6 pounds
Length: 33.5"
Stock: Classic model available with laminated stock
Price: \$528 to \$544
Misc: Integral rail scope mount. Sporter model features tapered sporter barrel. Target models feature a heavy bull barrel.

CALICO MODEL M100FS RIFLE



Caliber: 22 LR
Action: Blowback, magazine fed
Capacity: 100 round helical magazine
Barrel: 16.25"
Weight: 5 pounds
Length: 36"
Stock: Glass-filled polymer
Finish: Black
Price: \$650
Misc: Features include a lightweight aluminum frame, ambidextrous safety and easy take-down.

MARLIN MODEL 60 & 60SS RIFLES



Caliber: 22 LR
Action: Semi-automatic (last shot hold-open)
Capacity: 14-shot tubular magazine
Barrel: 22" round tapered
Weight: 5.5 pounds
Length: 40.5"
Stock: Press-checked Monte Carlo walnut finished hardwood (60) and Monte Carlo laminated two-tone black/grey hardwood (60ss).
Finish: Blue or stainless steel
Price: \$181 to \$290
Misc: Receiver grooved for scope mounts. Safety lock included.

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.

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.

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.

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.

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.

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.

TAURUS MODEL 63



Caliber: 22 LR
Action: Semi-automatic
Barrel: 23"
Weight: 6 pounds
Length: 32.5"
Stock: Hand fitted hardwood stock and forend
Finish: Blued or polished stainless
Price: \$335
Misc: Adjustable rear sight and post front. Tang sight available. Faithfull recreation of the Winchester model 63 take-down rifle.

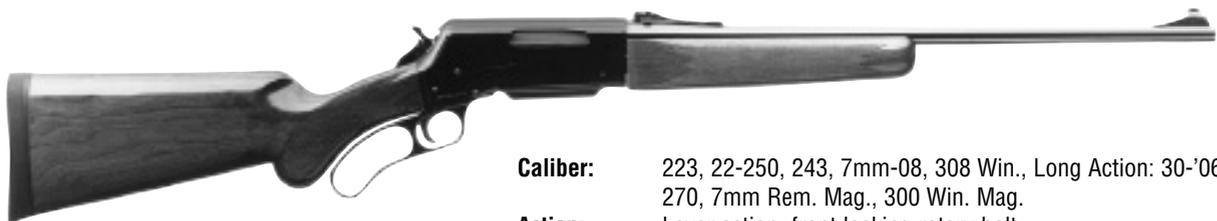
THOMPSON/CENTER 22 LR CLASSIC



Caliber: 22 LR
Action: Semi-automatic
Barrel: 22"
Weight: 5.5 pounds
Length: 39.5"
Stock: Solid American walnut with Monte Carlo satin finish
Finish: Blued steel
Price: \$335
Misc: Adjustable steel rear sight and ramp front. Sling, swivel studs and trigger guard safety lock included.

LEVER ACTION CENTERFIRE RIFLES

BROWNING LIGHTNING BLR



Caliber: 223, 22-250, 243, 7mm-08, 308 Win., Long Action: 30-'06, 270, 7mm Rem. Mag., 300 Win. Mag.
Action: Lever action, front locking rotary bolt
Capacity: 4-shot detachable magazine
Barrel: 20", 22" (270 and 30-'06) or 24" (7mm Rem. Mag.)
Weight: 6.8 pounds to 7.75 pounds
Length: 39.5" to 42.8"
Stock: Walnut, pistol grip type stock
Finish: Blue
Price: \$681 to \$721
Misc: All calibers available with open sights.

CIMARRON 1860 HENRY REPLICA



Caliber: 44 WCF, 45 Colt
Action: Lever
Capacity: 13-shot magazine
Barrel: Carbine: 22"; Rifle: 24.25"
Weight: 9.5 pounds
Length: 43"
Stock: European walnut
Finish: Blue
Price: \$1,029
Misc: Original Henry loading system, brass receiver and buttplate.

CIMARRON 1873 WINCHESTER CARBINE REPLICAS



Caliber: 357 Magnum, 32-20, 44 WCF, 45 Colt. 38 WCF, 44 Spl.
Action: Lever
Barrel: Carbine: 19"
Weight: 9 pounds
Length: 43"
Stock: European walnut
Finish: Blue
Price: \$949
Misc: Introduced in 1991.

CIMARRON ARMS 1873 SPORTING MODELS



Caliber: 357 Magnum, 32-20, 44-40, 45 Colt, 38 WCF, 44 Spl.
Action: Lever
Barrel: 19", 20", 24", 30" Tapered octagon
Weight: 7.5 to 8.5 pounds
Length: 39" to 48"
Stock: Walnut
Finish: Color case-hardened/blue
Price: \$949 to \$1,149
Misc: 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.

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.

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

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

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.

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.

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.

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.

MARLIN 1894 COWBOY COMPETITION



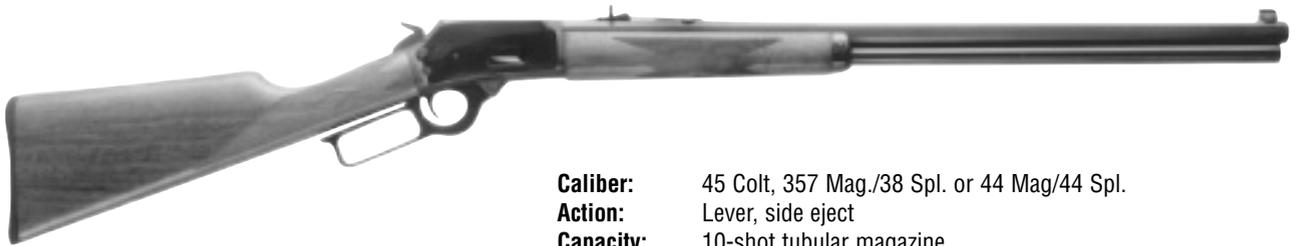
Caliber: 38 Special
Action: Lever action, 10 round tubular magazine
Barrel: 20" tapered octagon barrel with deep-cut Ballard-type rifling
Weight: Approx. 6 pounds
Stock: Straight-grip genuine American black walnut with MarShield
Finish: Blued fore-end cap, color case hardened receiver, lever and bolt
Price: \$965
Misc: Factory-tuned for competitive Cowboy Action Shooting.

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.

MARLIN MODEL 1894 COWBOY



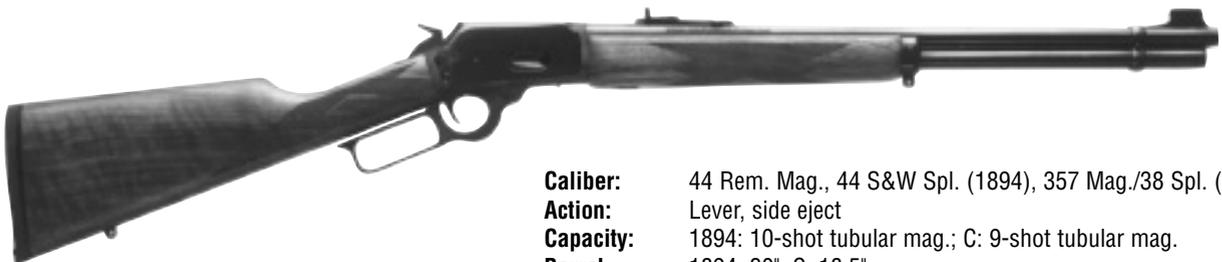
Caliber: 45 Colt, 357 Mag./38 Spl. or 44 Mag/44 Spl.
Action: Lever, side eject
Capacity: 10-shot tubular magazine
Barrel: 24" tapered octagon with deep-cut Ballard-type rifling
Weight: 7.5 pounds
Length: 41.5"
Stock: Straight grip, American black walnut
Finish: Mar-Shield
Price: \$802
Misc: Built to 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.

MARLIN 1895 COWBOY



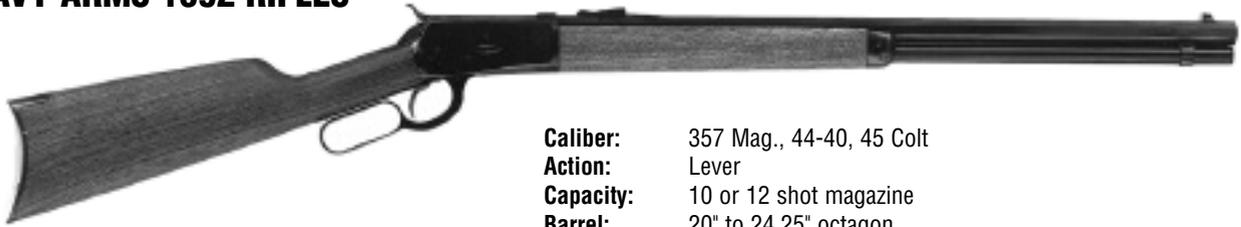
Caliber: 45-70 Government
Action: Lever action, 9 round tubular magazine
Barrel: 26" tapered octagon barrel with deep-cut Ballard-type rifling
Weight: Approx. 8 pounds
Length: 44.5"
Stock: Straight-grip genuine American black walnut with MarShield
Finish: Blued
Price: \$802
Misc: Adjustable Marble semi-buckhorn rear, Marble carbine front sight; receiver tapped for scope mount; offset hammer spur for scope use – works right or left.

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.

NAVY ARMS 1892 RIFLES



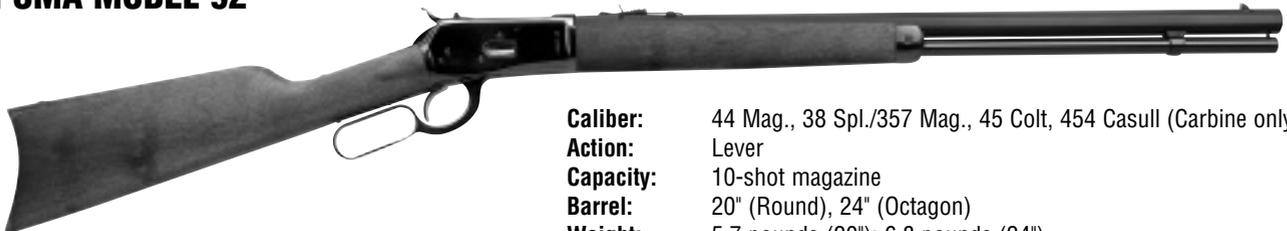
Caliber: 357 Mag., 44-40, 45 Colt
Action: Lever
Capacity: 10 or 12 shot magazine
Barrel: 20" to 24.25" octagon
Weight: 5.75, 6.25 to 7 pounds
Length: 37.75" to 42"
Stock: American walnut
Finish: Blue, polished brass, color case-hardened or stainless
Price: \$515 to \$585
Misc: Available in 1892 Carbine, 1892 Short Rifle and 1892 Stainless. Imported by Navy Arms.

NAVY ARMS HENRY RIFLES



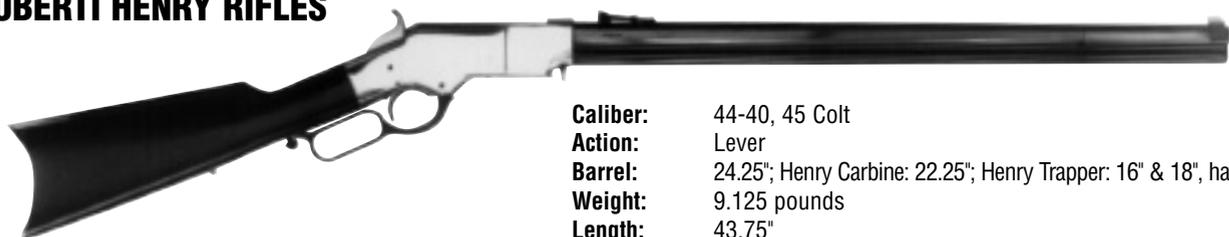
Caliber: 44-40
Action: Lever
Capacity: 12-shot magazine
Barrel: 16.5" (Trapper), 22" (Carbine), 24.25" (military)
Weight: 7.5 to 9.25 pounds
Length: 41"
Stock: European walnut
Finish: Blue or color case-hardened, polished brass
Price: \$989 to \$1,035 (Iron Frame Henry)
Misc: Imported from Italy. Comes in Military, Carbine, Trapper or Iron Frame model types. Military Henry also available in 45 Colt.

PUMA MODEL 92



Caliber: 44 Mag., 38 Spl./357 Mag., 45 Colt, 454 Casull (Carbine only)
Action: Lever
Capacity: 10-shot magazine
Barrel: 20" (Round), 24" (Octagon)
Weight: 5.7 pounds (20"); 6.8 pounds (24")
Stock: Brazilian hardwood
Finish: Blued, stainless, brass or case-hardened
Price: \$407 to \$462 (20"); \$500 to \$561 (24")
Misc: Fixed front and adjustable rear sights, 3-piece Buckhorn sight set available for \$29.95. From Legacy Sports International.

UBERTI HENRY RIFLES



Caliber: 44-40, 45 Colt
Action: Lever
Barrel: 24.25"; Henry Carbine: 22.25"; Henry Trapper: 16" & 18", half-octagon
Weight: 9.125 pounds
Length: 43.75"
Stock: American walnut
Finish: Brass with blue or polished steel
Price: POR
Misc: Color case-hardened frame. Imported by Uberti USA.

WINCHESTER MODEL 94 RIFLES



- Caliber:** 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
- Action:** Lever, positive side ejection; hammer block safety
- Barrel:** 16" (Carbines), 20", 24"
- Weight:** 6 to 6.5 pounds
- Length:** 37.75" to 38.625"
- Stock:** Walnut, laminated hardwood or hardwood (Ranger)
- Finish:** Blue
- Price:** \$337 to \$548 (Timber Carbine)

SLIDE ACTION CENTERFIRE RIFLES

REMINGTON MODEL 7600 PUMP



- Caliber:** 243, 270, 30-'06, 308
- Action:** Pump
- Barrel:** 22"; Carbine: 18.5"
- Weight:** 7.25 to 7.5 pounds
- Length:** 39.125" to 42.625"
- Stock:** American walnut or black synthetic
- Finish:** Blue
- Price:** \$484 to \$588
- Misc:** Carbine model is only available in 30-'06. Extra four-shot clip magazines available.

SINGLE-SHOT CENTERFIRE RIFLES

AA IZH94 DOUBLE RIFLE



- Caliber:** 222R, 223R, 6.5 X 55, 7.62 X 39, 308, 30-'06
- Action:** Non-repeating
- Barrel:** 24"
- Weight:** 8.3 pounds
- Length:** 40.3"
- Stock:** Walnut stock and forend
- Finish:** Blue
- Price:** \$629
- Misc:** Double trigger, extractors, express sights, scope base (11mm), rubber butt pad, O/U shotgun & rifle combo also available.

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.

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.

DAKOTA MODEL 10



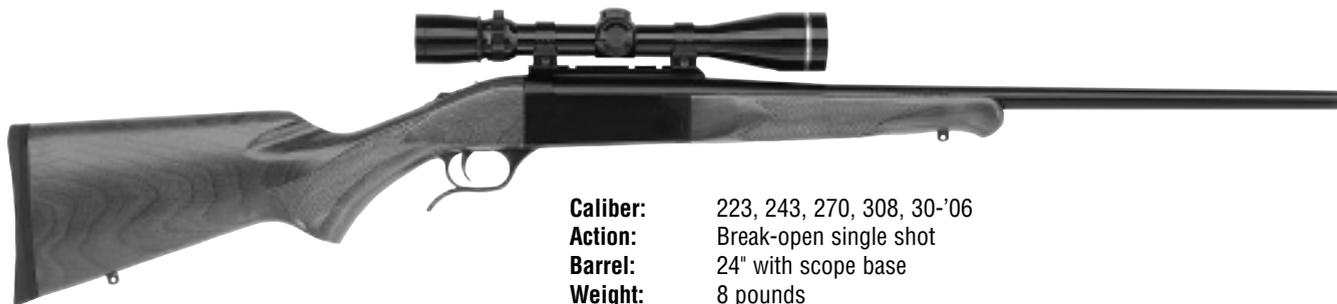
Caliber: Most rimmed or rimless cartridges including Magnums
Action: Falling block, single shot
Barrel: 23"
Weight: 6.5 pounds
Length: 39"
Stock: XX Walnut
Finish: Blue
Price: \$3,495 to \$3,595 (Magnum)

HARRINGTON & RICHARDSON ULTRA VARMINT & HUNTER RIFLES



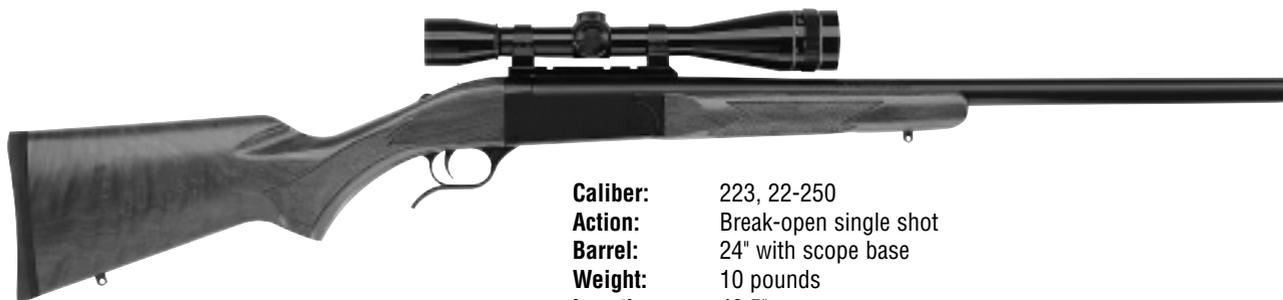
Caliber: Varmint: 223 Rem., 243 Win.; Hunter: 25-06 Rem., 308 Win., 22 WMR; Ultra Comp: 30-'06 Sprg., 270 Win.
Barrel: 22" (308 Win. or 223 with bull barrel), 24" (Varmint) or 26"
Weight: 7.5 pounds (Varmint) to 8 pounds (Hunter)
Stock: Cinnamon laminate (Varmint), cinnamon laminate (Hunter), or camo 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.

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 forearms. Cocking indicator, top tang safety, recessed muzzle crown, automatic eject, 12 gauge turkey and slug models available.

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.

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.

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.

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.

NAVY ARMS ROLLING BLOCK RIFLES



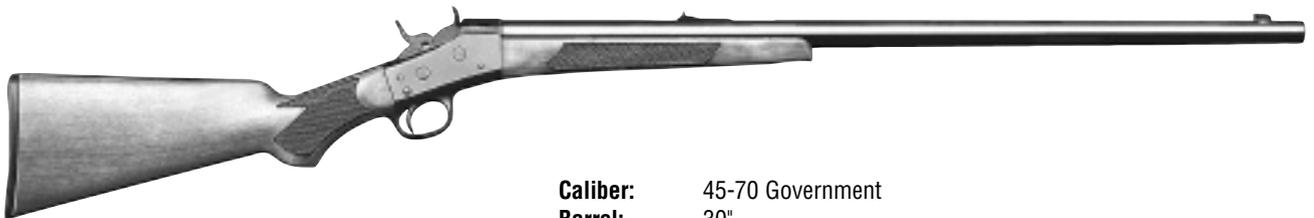
Caliber: 45-70
Action: Rolling block single shot
Barrel: 26" or 30" octagon
Weight: 10 to 11.75 pounds
Length: 43" to 47"
Stock: Walnut
Finish: Color case-hardened receivers, blue barrels
Price: \$730 to \$1,385

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.

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



Caliber: 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)

Action: Bolt, single shot or repeater

Barrel: XB Rangemaster, XB KS: 27.25"; XBBR KS: 24"

Weight: 10.25 pounds XB KS; 10.5 pounds XBBR KS; 11.25 pounds XB Rangemaster

Length: 24" XBBR KS to 27.25" XB Rangemaster and XB KS

Stock: Walnut and Kevlar (XBBR KS in Remington Green Kevlar) or laminated thumbhole stock

Finish: Unblued stainless receivers, barrels unblued stainless

Price: \$1,612 to \$1,941

Misc: Available from the Remington Custom Shop.

RUGER No.1 SINGLE SHOT CENTERFIRE RIFLES



Caliber: 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

Action: No. 1 Single shot

Barrel: RSI: 20"; Varmit: 24"; Standard 26"; Light Sporter 22"; Medium Sporter: 26"; Tropical: 24"

Weight: 7.25 to 9 pounds

Stock: Straight-grained walnut

Finish: Blued

Price: \$850 to \$865

Misc: 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



Caliber: 40-50, 40-70, 40-90, 45-70, 45-90, 45-100, 45-110, 45-120, 50-70, 50-90, 50-140

Barrel: 26", 28" or 30" tapered octagon standard

Weight: 10 pounds

Stock: American black walnut, straight grip, heavy forend with Schnabel tip.

Price: \$1,175

Misc: 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.

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, 40-50x1¹/₁₆" BN, 40-70x2¹/₁₆" BN, 45-70x2¹/₁₆" 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.

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.

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.

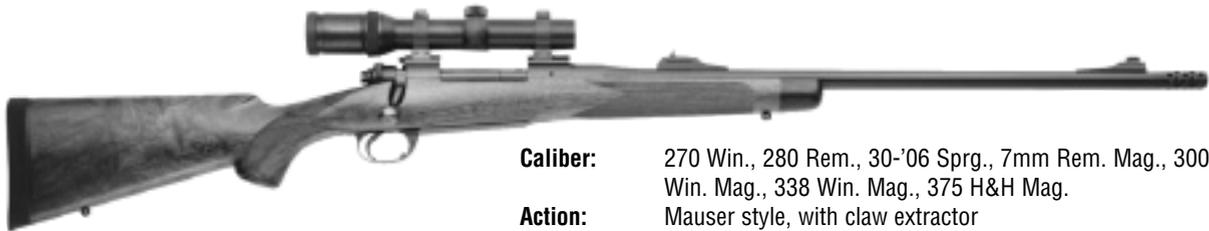
BOLT ACTION REPEATING CENTERFIRE RIFLES

ANSCHUTZ 1700D SERIES RIFLES



Caliber: 22 Hornet, 222 Rem.
Action: Bolt, Match 54 action
Capacity: 3-shot (222) or 5-shot (22 Hornet) detachable clips
Barrel: 19.5" or 24"
Weight: 6.5 pounds
Length: 39" to 43"
Stock: European walnut
Finish: Blue
Price: POR
Misc: 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



Caliber: 270 Win., 280 Rem., 30-'06 Sprg., 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag., 375 H&H Mag.
Action: Mauser style, with claw extractor
Barrel: 23.6", chrome-moly steel
Weight: 7.9 pounds
Length: 44.5"
Stock: Deluxe features American or European walnut with ebony forend tip. Synthetic features gray composite stocks.
Finish: Black satin
Price: Deluxe: \$2,470, 375 H&H: \$2,795, Synthetic: \$1,117, 375 H&H: \$1,474
Misc: 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 VARMINT



Caliber: 22-250, 223, 243, 270 Win., 7mm Rem. Mag., 308, 30-'06; M-1000: 300 Win. Mag.
Action: Bolt, 3 to 6 rounds
Barrel: 22" to 26"
Weight: 7.5 pounds
Length: 41.75 to 46.75"
Stock: Gray/black multi-laminated hardwood with thumbhole
Finish: Low glare blue
Price: \$1,048 to \$1,079
Misc: 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.

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.

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.

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.

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

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.

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.

DAKOTA LONGBOW T-76 ENGAGEMENT RIFLE



Caliber:	338 Lapua Mag., 330 Dakota Mag., 300 Dakota Mag.
Action:	Controlled round feeding, bolt action
Barrel:	28"
Weight:	13.7 pounds
Length:	50" to 52"
Stock:	Ambidextrous A-2 McMillian fiberglass in black or olive green
Finish:	Matte
Price:	\$4,250
Misc:	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.

DAKOTA MODEL 97 LONG RANGE HUNTER



Caliber:	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.
Action:	Controlled round feeding, bolt action
Barrel:	24" and 26"
Weight:	7.7 pounds
Length:	45" to 47"
Stock:	H-S Precision black synthetic
Price:	\$1,795
Misc:	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.

DAKOTA MODEL 97 VARMINT AND LIGHTWEIGHT HUNTER



Caliber:	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.
Action:	Varmint: Round short action-single shot bolt Lightweight: Controlled round feeding-bolt
Barrel:	22" to 24"
Weight:	6.5 (Lightweight) to 8 (Varmint) pounds
Length:	43" (Lightweight) to 44" (Varmint)
Stock:	X walnut (Varmint) or synthetic (Lightweight)
Finish:	Blue
Price:	\$1,795
Misc:	Barreled actions and actions available.

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.

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.

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.

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.

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.

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.

KIMBER MODEL 84M



Caliber:	22-250 Rem., 243 Win., 260 Rem., 7mm-08 Rem., 308 Win.
Action:	Lightweight bolt with Mauser claw extractor
Capacity:	5-round magazine
Barrel:	22" (Classic); 26" (Varmit)
Weight:	5 pounds, 10 ounces (Classic); 7 pounds, 5 ounces (Varmit)
Length:	41.25" (Classic); 45.25" (Varmit)
Stock:	Claro walnut with 30 lpi panel checkering
Finish:	Satin
Price:	\$895(Classic); \$978 (Varmit)
Misc:	Made in the U.S.A. 2-position Model 70-type safety, match grade trigger, chamber & barrel. Lightest production centerfire rifle available today.

KRICO MODEL 700 BOLT ACTION RIFLES



Caliber:	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
Action:	Bolt
Barrel:	23.5" to 25.5" (magnum calibers)
Weight:	7 pounds
Length:	43.25" (standard calibers)
Stock:	European walnut with Bavarian cheekpiece
Price:	POR
Misc:	Removable box magazine, blade on ramp front, open adjustable rear sights, and sliding safety. Drilled and tapped for scope mounting.

LEGACY SPORTS INTERNATIONAL MAUSER 98 RIFLE



Caliber:	300 Win. Mag.
Action:	Bolt; controlled feed
Barrel:	24", 1-10" twist
Weight:	8.4 pounds
Length:	45"
Stock:	Premium American walnut
Finish:	Blued
Price:	\$995 (rifle); \$445 to \$580 (barreled actions)
Misc:	Square-bridge Mauser 98 action dovetailed for one-piece ring mounts; ring mounts available. three-position thumb safety; hinged floorplate; adjustable trigger.

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.

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.

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.

REMINGTON MODEL 700 SENDERO



Caliber: 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.
Action: Bolt, 3 to 4 round magazine
Barrel: 26" (heavy or fluted)
Weight: 8.5 to 9 pounds
Length: 45.75"
Stock: Black Kevlar reinforced
Finish: Blue or stainless (SF only)
Price: \$788 to \$989
Misc: SF model features a stainless, fluted barrel. Comes without sights for scope mounting.

REMINGTON MODEL 700 ALASKAN WILDERNESS & AFRICAN PLAINS RIFLES



Caliber: 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
Action: Bolt
Barrel: 24" (AWR) to 26" (APR)
Weight: 6.75 pounds (AWR) to 7.75 pounds (APR)
Length: 44.5" (AWR) to 46.5" (APR)
Stock: Black Kevlar (AWR), Monte Carlo laminate (APR)
Finish: Black matte finish (AWR) or traditional blue polish (APR)
Price: \$1,569 (AWR) to \$1,690 (APR)
Misc: Built to order through Remington's Custom Shop.

REMINGTON MODEL 710



Caliber: 270 Win., 30-'06
Action: Bolt-action centerfire
Barrel: 22"
Weight: 7.1 pounds
Length: 42.5"
Stock: Gray Synthetic
Price: \$425
Misc: Features a first-ever bolt-to-barrel lock-up design

REMINGTON MODEL 700 ETRONIX CENTERFIRE RIFLE



Caliber: 220 Swift, 22-250 Rem., .243 Win.
Barrel: 26"
Weight: 8.5 pounds
Length: 45.75"
Stock: Black synthetic
Finish: Satin Stainless
Price: \$1,999
Misc: 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.

REMINGTON MODEL 700 TITANIUM



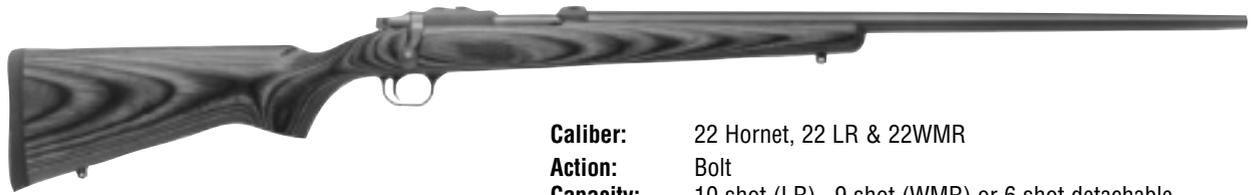
Caliber: 260 Rem., 270 Win., 7mm Rem. Ultra Mag., 308 Win.
Action: Bolt
Barrel: 22"
Weight: 5.5 pounds
Length: 42.5"
Stock: Carbon-fiber synthetic
Finish: Satin stainless
Price: \$1,239
Misc: Long or short actions available.

REMINGTON MODEL SEVEN RIFLES



Caliber: 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
Action: Bolt, 4 to 5 round magazine
Barrel: 20"
Weight: 6.125 to 6.25 pounds
Length: 38.75" to 39.25"
Stock: Brown laminate, black synthetic or hardwood
Finish: Matte flat or stainless satin finish
Price: \$531 to \$740 and \$717 to \$743 (Magnum)
Misc: Model Seven Youth features hardwood stock.

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.

RUGER 77/22RH



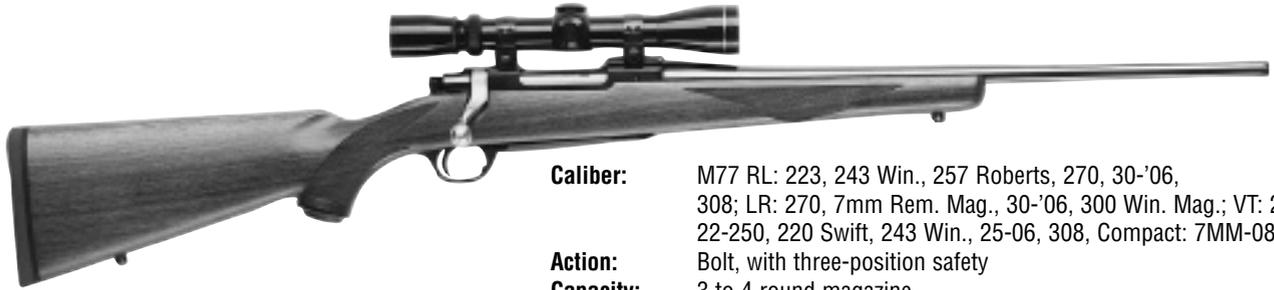
Caliber: 22 Hornet
Action: Bolt
Capacity: 6 rounds, detachable rotary magazine
Barrel: 20"
Weight: 6 pounds
Length: 39.25"
Stock: Oil-finished walnut
Finish: Blued
Price: \$589 to \$625
Misc: Comes with sights or with the integral scope bases of the patented Ruger Scope Mounting System and with 1" Ruger scope rings.

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.

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)

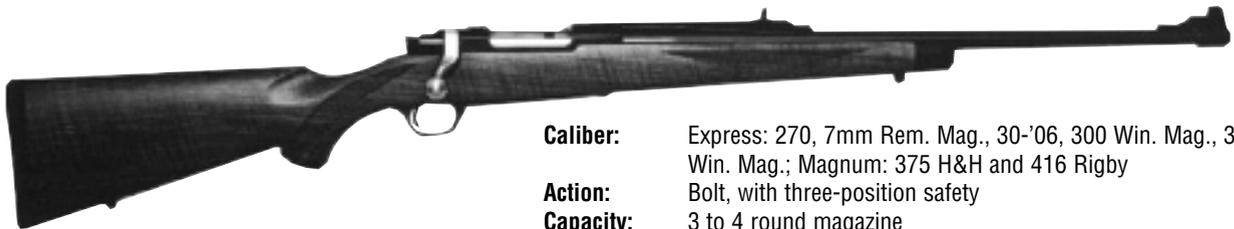
Stock: Checkered American walnut with pistol grip or heavy laminated hardwood (VT only)

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.

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.

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.

SAKO 75 STAINLESS SYNTHETIC & FINNLIGHT



Caliber: 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. Bolt

Action: Bolt

Barrel: 20", 22", 24", 26"

Weight: 6.5 to 7.75 pounds

Length: 41.75" to 47.25"

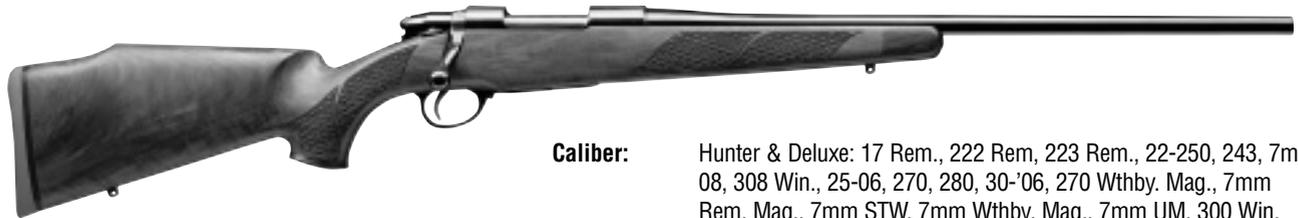
Stock: Synthetic

Finish: stainless steel

Price: \$1,239 to \$1,274

Misc: Magazines in 4 to 5 rounds. Imported by Beretta USA Corp.

SAKO 75 HUNTER & DELUXE RIFLES



Caliber: 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

Action: Bolt

Barrel: 22", 24", 26"

Weight: 7.75 pounds

Length: 41.75" to 47.25"

Stock: High-Grade or Select Walnut

Finish: Blue or stainless steel

Price: \$1,129 (Hunter) to \$1,688 (Deluxe)

Misc: Magazines in 4 to 6 rounds. Imported by Beretta USA Corp.

SAKO TRG-S, TRG 22, AND TRG 42



Caliber: 338 Lapua Mag., 30-378 WEA, 308 Win. Mag. (TRG 22), 300 Win Mag. (TRG 42)

Barrel: 26" to 27½"

Weight: In pounds: 8½ (TRG-S), 10.25 (TRG 22), and 11.75 (TRG 42)

Length: 45.5"

Stock: Synthetic

Finish: Blued, green and all black (TRG 22 and 42)

Price: \$882 (TRG-S) to \$3,243

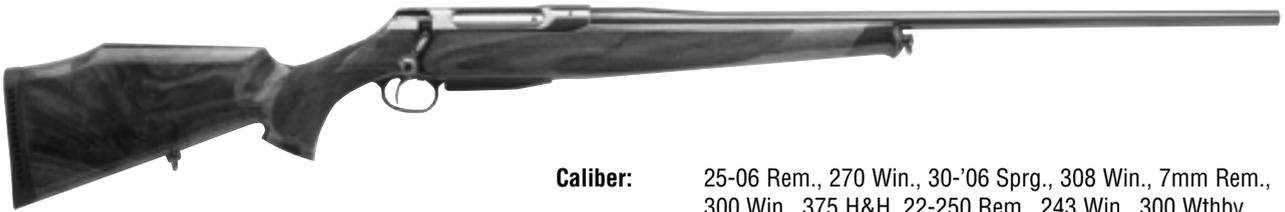
Misc: Resistance-free bolt with 60 degree lift. Recoil pad adjustable for length. Free-floating barrel, detachable five-shot magazine and ten-shot (TRG 42), full adjustable trigger, fully-adjustable stock (TRG 22 and 42). Imported from Finland by Beretta USA Corp.

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.

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.

SAVAGE MODEL 11/111 SERIES



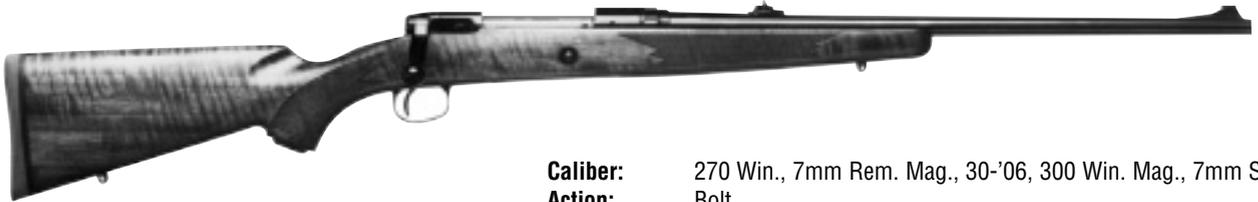
Caliber: 223 Rem, 22-250, 243, 25-06, 270, 7mm RSUM, 7mm-08, 7mm Rem. Mag., 7mm Rem. Ultra Mag., 308, 30-'06, 300 RSUM, 300 Rem. Ultra Mag., 300 Win. Mag., 300 WSM, 338 Win. Mag.
Action: Bolt
Barrel: 22" to 26"
Weight: 6.5 to 7.25 pounds
Length: 41.5" to 47.25"
Stock: Black synthetic or walnut hardwood
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.

SAVAGE MODEL 12/112 SERIES



Caliber: 22-250, 223, 25-06, 7mm Rem. Mag., 308 Win., 300 Win. Mag., 243 Win., 30-06, 7mm STW.
Action: Bolt
Barrel: 24" to 26"
Weight: 8.5 to 11.25 pounds
Length: 44" to 46.75"
Stock: Laminated wood or black composite
Finish: Stainless steel or blue
Price: \$481 to \$900
Misc: Standard and heavy barrel versions available. 112 Varminter features Choat stock, fluted, free-floating barrel and Sharpshooter trigger. Many versions available.

SAVAGE MODEL 114 SERIES



Caliber: 270 Win., 7mm Rem. Mag., 30-06, 300 Win. Mag., 7mm STW
Action: Bolt
Barrel: 22" to 24"
Weight: 7 to 7.5 pounds
Length: 43.25" to 45.25"
Stock: Oil finished walnut American
Finish: Polished blue
Price: \$532
Misc: Drilled and tapped for scope mounts. Cut checkering, black forend tip.

SAVAGE MODEL 16/116 SERIES



Caliber: 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.
Action: Bolt Action
Barrel: 22" to 24"
Weight: 6.5 to 8.5 pounds
Length: 41.5" to 46.5"
Stock: Black graphite/fiberglass composite, laminated or walnut (116 SE Safari)
Finish: Stainless steel
Price: \$500 to \$975
Misc: Some models feature Savage's Adjustable Muzzle Brake System. Many models available.

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.

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,

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.

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.

TIKKA WHITETAIL HUNTER BOLT ACTION RIFLES



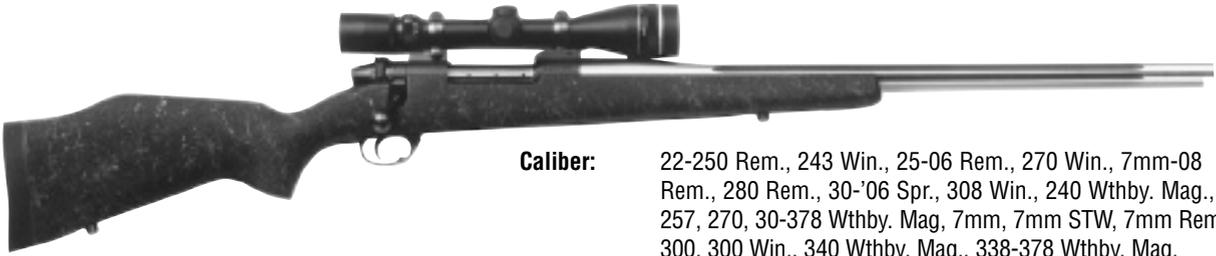
- Caliber:** Whitetail Hunter Synthetic: 223, 22-250, 243 Win., 7mm-08, 308, 25-06, 270, 30-'06, 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag.; Whitetail Hunter Deluxe: 223, 22-250, 243, 308, 7mm-08 Rem., 25-06, 270, 30-'06, 7mm Rem. Mag., 300 Win. Mag., 338 Win. Mag.
Action: Bolt
Capacity: 3 rounds
Barrel: 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.

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.

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.

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

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.

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.

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.

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



Caliber:	375 H&H Mag., 416 Rem. Mag., 458 Win. Mag.
Action:	Bolt, 3 round capacity
Barrel:	22" to 24"
Weight:	8.25 to 8.5 pounds
Length:	42.75" to 44.75"
Stock:	Checkered American walnut with Monte Carlo style cheekpiece
Finish:	Blue
Price:	POR
Misc:	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



Caliber:	223
Barrel:	16"
Stock:	Civilian model standard stock, law enforcement model available with collapsible stock
Finish:	Baer Coat finish on upper, lower barrel and free float system
Price:	\$2,195
Misc:	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.

BAER CUSTOM ULTIMATE AR SUPER VARMINT MODEL



- Caliber:** 223
Barrel: 20" (Standard), 22" and 24" (optional)
Finish: Baer Coat all-weather finish on upper, lower barrel and small parts
Price: \$1,989
Misc: 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.

BARRETT MODEL 82A1



- Caliber:** 50
Action: Semi-automatic Rifle
Capacity: 5 or 10-Round Detachable Magazine
Barrel: 29"
Weight: 28.5 pounds
Length: 57"
Stock: Synthetic
Price: \$7,300
Misc: Match-grade barrel, high-efficiency muzzle brake, extendable bipod legs, Picatinny-style rail, carry handle, comes equipped with airtight/watertight carrying case.

BROWNING BAR



Caliber: 243, 270, 7mm Rem. Mag., 308, 30-'06, 300 Win. Mag., 338 Win. Mag., 22-250, 25-06
Action: Semi-automatic
Barrel: 20" in lightweight, 22" in standard, 24" in Magnum calibers
Weight: 7.125 to 8.375 pounds
Length: 41" in lightweight, 43" in standard, 45" in Magnum calibers
Stock: French walnut with hand checkering
Finish: Blue
Price: \$833
Misc: 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.

CALICO LIBERTY 50 & 100 CARBINE SERIES



Caliber: 9mm Para. (50 or 100 round magazines)
Action: Semi-automatic retarded blowback, CETME type
Barrel: 16"
Weight: 7 pounds
Length: 34.5" overall
Stock: Glass filled, impact resistant polymer
Finish: Black and phosphate
Price: \$860 to \$925
Misc: Helical fed magazine, ambidextrous safety, static cocking handle, rotating sear/striker block safety.

COLT MATCH TARGET RIFLES



Caliber: 223 Rem.
Capacity: 8 round, 5 shot detachable box magazine
Barrel: 16" to 20"
Weight: 8 to 8.5 pounds
Length: 34.5" to 39"
Stock: Composition stock grip forend
Finish: Military matte black
Price: \$1,040 to \$1,295
Misc: Features include: sling swivels, forward bolt assist.

DPMS PANTHER CLASSIC LITE 16



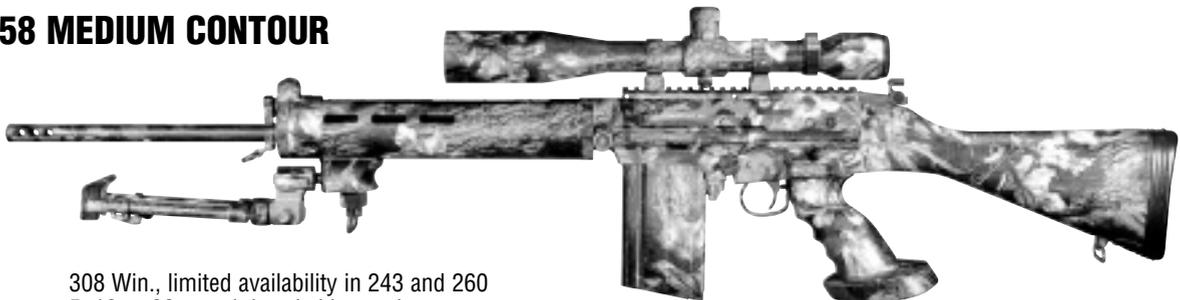
Caliber: 223 (5.56x45)
Capacity: 5, 10, 20, 30 Rounds
Barrel: 16", Chrome-moly
Weight: 7.5 pounds
Stock: Synthetic
Price: \$789
Misc: Windage/elevation adjustable A2 sights. Other models available.

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.

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.

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.

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.

DS ARMS SA58 RIFLES



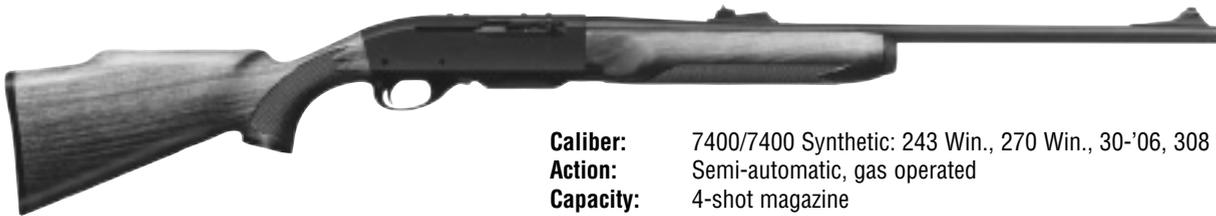
Caliber: 308 Win.
Capacity: 20 shot detachable box magazine
Barrel: 16.25"
Weight: 8.25 pounds
Length: 38.25"
Stock: Synthetic
Finish: Military matte black
Price: \$1,595
Misc: Features include: last shot bolt hold open, elevation adjustable protected post front sight, and tilting bolt locking system.

KEL-TEC SUB RIFLE 2000



- Caliber:** 9mm, 40 S&W
Capacity: Various double columns
Action: Semi-automatic
Barrel: 16.1"
Weight: 4 pounds (unloaded)
Length: 30" (open); 16" (closed)
Stock: Tubular steel stock with polymer butt stock
Finish: Hard anodized black (aluminum parts) and blue (steel parts)
Price: \$383
Misc: 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.

REMINGTON MODEL 7400 AUTOLOADING



- Caliber:** 7400/7400 Synthetic: 243 Win., 270 Win., 30-'06, 308 Win.
Action: Semi-automatic, gas operated
Capacity: 4-shot magazine
Barrel: 22" round tapered (18.5" Carbine 30-'06 only)
Weight: 7.25 to 7.5 pounds
Length: 42.625" (39.125" Carbine)
Stock: American walnut, deluxe cut-checked pistol grip and forend or black synthetic
Finish: Satin or high gloss finish
Price: \$509 to \$624
Misc: Gold bead front sight on ramp, windage adjustable step rear. Receiver tapped for scope, positive cross-bolt safety.

RUGER MINI-14/5 & MINI-14/5R RANCH RIFLES



- Caliber:** 223
Action: Auto-loading, gas operated
Capacity: 5-shot detachable box magazine
Barrel: 18.5"
Weight: 6.5 to 6.875 pounds
Length: 37.13"
Stock: American hardwood or synthetic
Finish: Blued or satin stainless (K-models)
Price: \$636 to \$745
Misc: 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).

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.

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.

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.

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.

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.

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

WILSON COMBAT TACTICAL PRECISION RIFLE



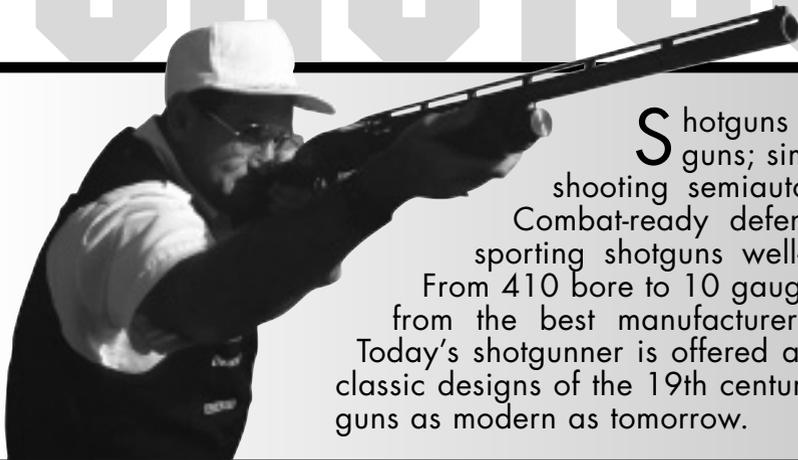
Caliber: 5.56mm/223 remington
Action: Semi-automatic
Barrel: 18"
Weight: 6.5 pounds
Length: 36.5"
Stock: Polymer
Finish: Parkerized or optional Armour-Tuff
Price: \$1,599
Misc: Other models available

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.

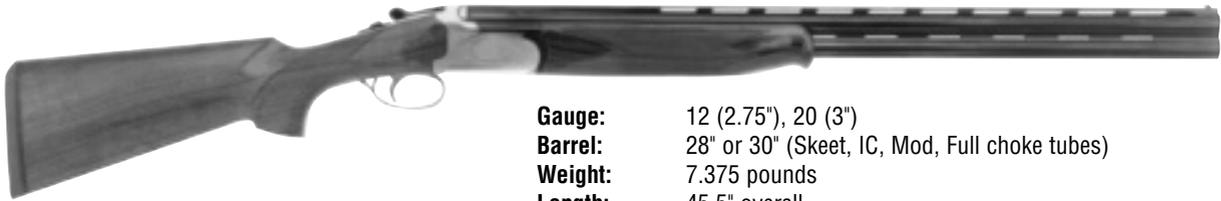
OVER/UNDER SHOTGUNS

AMERICAN ARMS SILVER I & II O/U



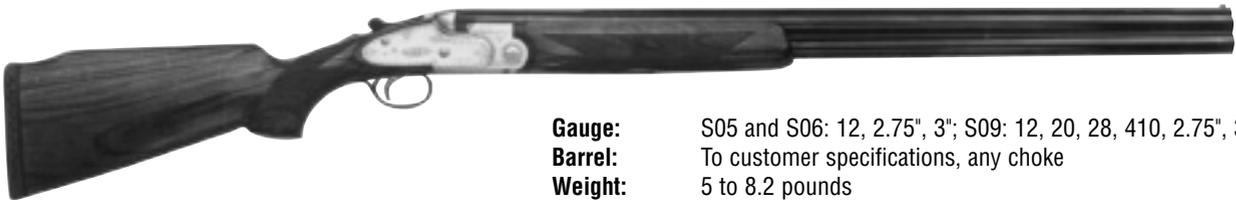
Gauge: 12 and 20 or 410 ga. (3"); 28 (2.75")
Barrel: 26" (IC and Mod), 28" (Mod and Full)
Weight: 6.75 pounds
Stock: Checkered walnut
Finish: Silver finished receiver, blue barrels
Price: Silver I: \$649 (12 and 20 ga.) to \$679 (28 and 410 ga.)
Silver II: \$765 (12 and 20 ga.) to \$815 (28 and 410 ga.)
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.

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 buttpad. Boxlock action, single selective trigger and automatic ejectors. Chrome bores. Imported from Italy by American Arms, Inc.

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)

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)

BERETTA SERIES 682 GOLD E TRAP, SKEET & SPORTING CLAYS O/U



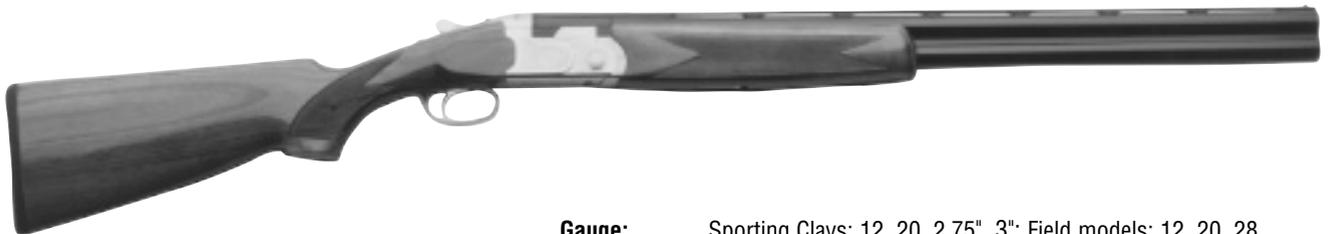
Gauge: 12, 3"
Barrel: 28", 30", 32", 34"
Weight: 7.5 to 8.8 pounds
Stock: Close-grained, highly selected walnut
Finish: Greystone receiver with matte black barrels
Price: \$2,790 to \$3,845 (Gold Trap Top Combo)
Misc: Available in a single O/U barrel or a combo set with an extra O/U trap barrel set. Triggers are auto and selective on low profile box lock action. Imported from Italy by Beretta U.S.A.

BERETTA S682 SERIES O/U



Gauge: 12, 2.75", 3"
Barrel: 28", 30", 31", 32", 34"
Weight: 7.5 to 8.8 pounds
Stock: Highly select walnut, Monte Carlo style available
Finish: Oil or matte
Price: \$3,100 to \$4,610
Misc: Receiver available in Greystone or nickel finish with scroll engraving, adjustable stock available with stock memory system.

BERETTA S686 & S687 SERIES O/U



Gauge: Sporting Clays: 12, 20, 2.75", 3"; Field models: 12, 20, 28, 410 in 2.75", 3" and 3.5"
Barrel: Sporting Clays: 28", 30", 32" (Mobilchoke); Field models: 26", 28" (Mobilchoke)
Weight: 5.3 to 8.2 pounds
Stock: Hand-checked walnut
Finish: Matte barrels
Price: \$1,869 (686 Silver Pigeon) to \$6,245 (687 EELL Diamond Pigeon Skeet 2-bbl set)
Misc: The EL & EELL versions have engraved side locks. The 686 and 687EL Silver Pigeon versions are also available with silvered receivers.

BERETTA S686 ONYX & S686 ONYX SPORTING O/U



Gauge: 12 and 20, 3"
Barrel: 26", 28", 30" mobilchoke tube
Weight: 6.8 to 7.7 pounds
Stock: Selected walnut, checkered
Finish: Semi-matte black receiver
Price: \$1,639 to \$1,778 (X-tra Wood Models)

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.

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.

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.

BROWNING CITORI LIGHTNING FEATHER



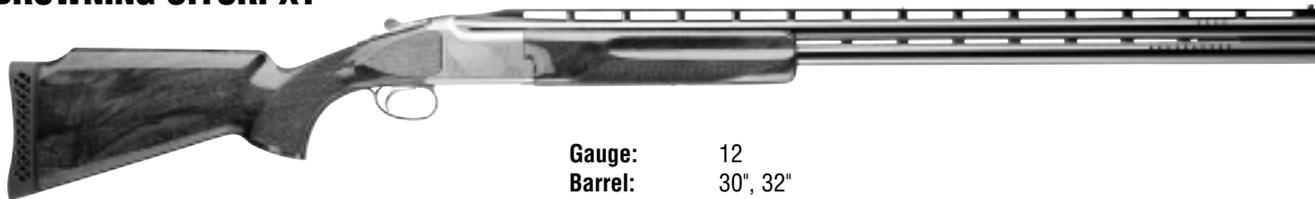
Gauge: 12, 2.75"
Barrel: 26", 28"
Weight: 7.56 pounds to 7.69 pounds
Length: 43", 45"
Stock: Select walnut, checkering
Finish: Grayed
Price: \$1,744

BROWNING CITORI SUPERLIGHT FEATHER



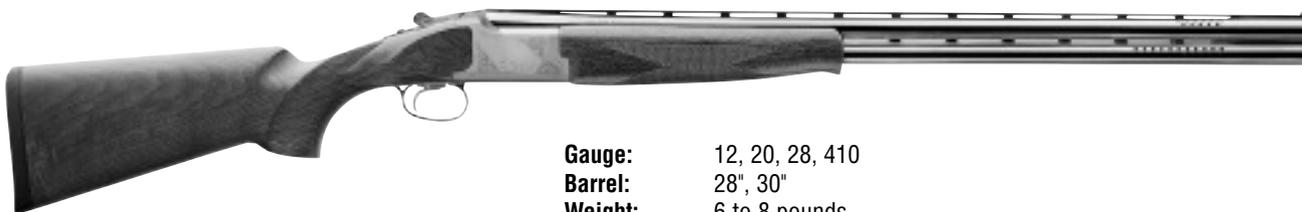
Gauge: 12, 2.75"
Barrel: 26", 28"
Weight: 6 pounds
Length: 43", 45"
Stock: Select walnut, checkering
Finish: Grayed
Price: \$1,809

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)

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.

BROWNING CITORI 525 SERIES



Gauge: 12 and 20
Action: Over/Under
Barrel: 26", 28" and 30"
Weight: 6.6 to 8.3 pounds
Length: 43" to 47.5"
Stock: Pronounced pistol grip and European comb.
Finish: Blued
Price: \$1,777 to \$3,993
Misc: Many different grades and models available.

BROWNING SPORTING CLAYS MODELS



Gauge: 12 and 20; 2.75" to 3"
Barrel: 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
Weight: 7.3125 to 8.625 pounds
Length: 45" (28" bbl.) to 49" (32" bbl. Special Sporting)
Stock: Select walnut, Sporting Clays stock dimensions
Finish: Blue
Price: Lightning Sporting: \$1,691 to \$1,770
Misc: 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.

EAA/BAIKAL IZH-27 AND MP-233 OVER/UNDER SHOTGUNS



Gauge: 12, 16, 20, 410 (IZH-27); 12 (MP-233)
Barrel: 26.5", 28.5" (IZH-27); 26", 28", 30" (MP-233)
Weight: 7.28 pounds
Stock: Walnut (MP-233), hardwood or walnut (IZH-27)
Finish: Grayed
Price: POR
Misc: Hammer forged barrels, machined receivers, automatic tang safety (IZH-27), removable trigger assembly (single selective or double) (MP-233).

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.

HK FABARM LION SERIES OU



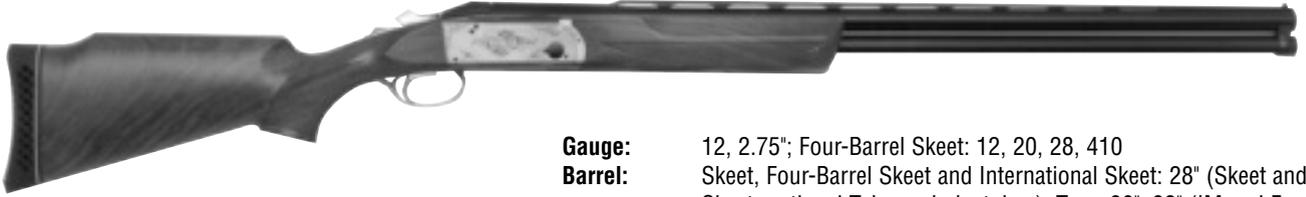
Gauge: 12, 3.5" or 20, 3"
Action: Over and under
Barrel: 20", 24", 26", 28" and 30"
Weight: 6 to 7.9 pounds
Length: 37.25" to 47.3"
Stock: Walnut, camo pattern on some models
Finish: Silver, case color or camo
Price: \$1,199 to \$1,899
Misc: Many models and variations available. Free carrier, alloy receiver. Lifetime warranty.

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.

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.

MAROCCHI CONQUISTA O/U SHOTGUN



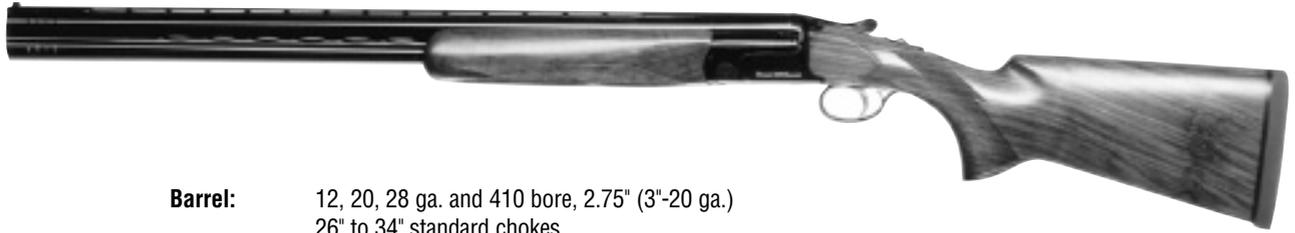
Gauge: 12, 2.75"
Barrel: 28", 30", 32"
Weight: 8 pounds
Stock: American walnut with checkering; right or left hand
Price: Grade I: \$1,995 to \$2,120; Grade II: \$2,330 to \$2,685; Grade III: \$3,599 to \$3,995
Misc: Has lower monoblock and frame profile. Fast lock time. Ergonomically-shaped trigger is adjustable for pull length and weight. Comes with five choke tubes, hard case. Imported from Italy by Precision Sales International.

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.

PERAZZI O/U SHOTGUNS



- Barrel:** 12, 20, 28 ga. and 410 bore, 2.75" (3"-20 ga.)
26" to 34", standard chokes
- Weight:** 6.5 to 8.5 pounds
- Stock:** Select walnut
- Finish:** Deep blue to highly engraved with blue barrels
- Price:** 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
- Misc:** Combo versions for trap are also available.

REMINGTON MODEL 332 O/U



- Gauge:** 12
- Action:** O/U
- Barrel:** 26"; 28", and 30"
- Weight:** 7.5 to 8 pounds
- Length:** 42.75" to 47.25"
- Stock:** American walnut
- Finish:** Satin Blued
- Price:** \$1532
- Misc:** Ivory bead front sight. Engraving/checkering standard.

RIZZINI MODEL S 782 EMEL



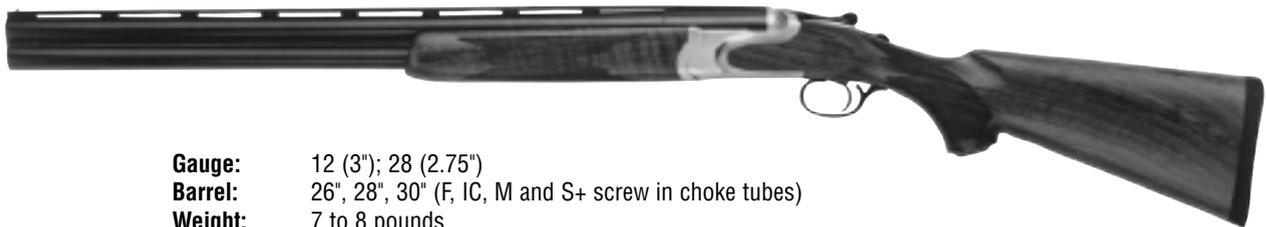
- Gauge:** 12, 2.75"
- Barrel:** 26", 27.5" (Imp. Cyl. and Imp. Mod.)
- Weight:** 7 pounds
- Stock:** Extra fancy select walnut
- Finish:** Silvered
- Price:** \$9,200 and up
- Misc:** Hand engraved with Bulino game scenes and gold inlays by Italy's most famous engravers. Delivered in all leather presentation style luggage case with accessories. Imported from Italy by Wm. Larkin Moore & Co.

RIZZINI MODEL UPLAND EL



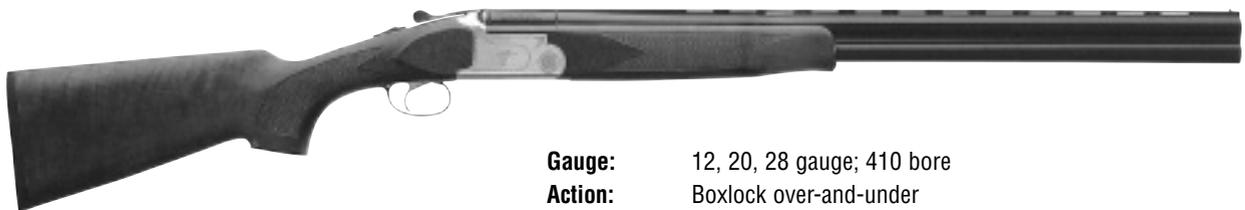
Gauge: 12, 16, 20, 28, 410
Barrel: 26.5", 28" or 20"
Weight: 6 to 7 pounds
Stock: Select Turkish walnut with checkered butt
Finish: Case-hardened
Price: \$2,800 and up
Misc: Boxlock action, single selective trigger, detailed engraving on silvered receiver. ABS type luggage case. Imported from Italy by Wm. Larkin Moore and Co.

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.

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.

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.

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.

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.

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.

PUMP ACTION SHOTGUNS

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).

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.

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.

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.

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.

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.

ITHACA MODEL 37 DEERSLAYER III



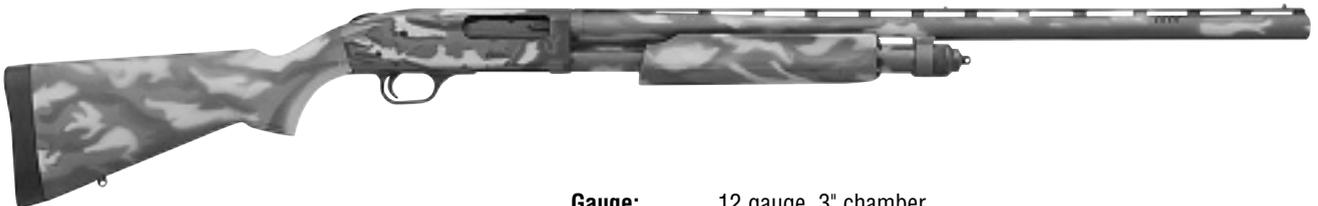
Gauge: 20
Action: Pump Shotgun
Barrel: 26"
Weight: 9.5-10 pounds
Stock: Monte Carlo laminate with cut checkering, ventilated recoil pad.
Finish: Matte blue
Price: \$899
Misc: Factory mounted Weaver style scope base. Fully free floated barrel, with a 3" chamber and is fully rifled.

ITHACA MODEL 37 PUMP SHOTGUNS



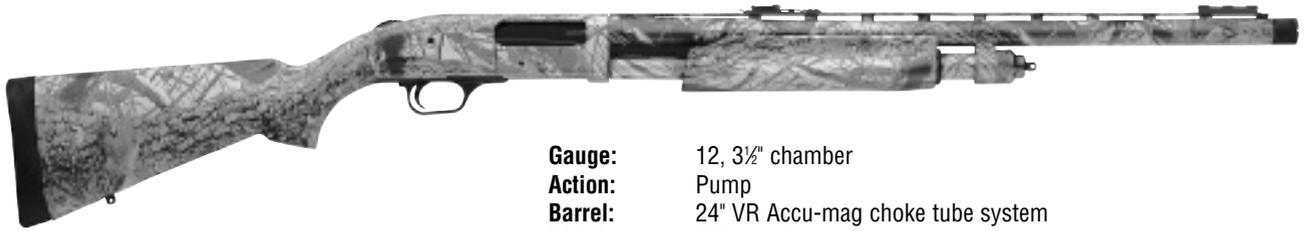
Gauge: 12, 16, 20, 3"
Barrel: 20" to 30" with chokes in DS, DSR, DSR1, DSR2 and CTF.
Weight: 6.75 to 7 pounds
Stock: Walnut and Monte Carlo (Deerslayer II) and synthetic
Finish: High-gloss lacquer (Deerslayer II) and camo (Turkeyslayer)
Price: \$546 to \$696
Misc: Five shot magazines, extra barrels and chokes available, bottom ejection, accommodates both right- and left-hand shooters. Water-fowler, turkey-slayer and deer-slayer models available in Realtree camo patterns.

MOSSBERG 835 ULTI-MAG WOODLANDS CAMO



Gauge: 12 gauge, 3" chamber
Action: Pump
Barrel: 28" and 24" VR Accu-mag choke tube system
Weight: 7.75 pounds (28")
Length: 48"
Stock: Synthetic
Finish: OFM Woodland painted camo
Price: \$419 to \$437
Misc: Overbored ported barrel, Adj. fiber-optic sight on Turkey model, ambidextrous safety, dual extractors. Cablelock included.

MOSSBERG 835 ULTI-MAG REALTREE HARDWOODS CAMO



Gauge: 12, 3½" chamber
Action: Pump
Barrel: 24" VR Accu-mag choke tube system
Weight: 7.5 pounds
Length: 44.75"
Stock: Synthetic camouflaged
Finish: Fully camouflaged
Price: \$541
Misc: Also available with Advantage Timber, OFM Woodlands and Mossy Oak finishes, overbored, ported barrels, Adj. fiber-optic sights, ambidextrous safety, dual extractors. Cablelock included.

MOSSBERG 500 20 GAUGE "BANTAM" (YOUTH MODEL)



Gauge: 20
Action: Pump
Barrel: 22" VR Accu-choke
Weight: 6.5 pounds
Length: 40.75"
Stock: Cut Checkered Birch
Finish: Honey Satin wood, blued metal
Price: \$307-\$395
Misc: 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

MOSSBERG 500 SPORTING SERIES



Gauge: 12 and 20, 410, 3"
Barrel: 18.5" to 28" barrels with Accu-choke and vent rib
Weight: 6.25 (410) to 7.25 (12) pounds
Length: 48" (28" barrel)
Stock: Cut-Checkered Honey Satin hardwood
Finish: Blue
Price: \$307 to \$410 (Sporting Combos)
Misc: White bead front sights, ambidextrous thumb safety, twin extractors, many with ported barrels. Mossberg Cablelock included.

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.

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.

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.

REMINGTON MODEL 870 EXPRESS SYNTHETIC 18"



Gauge: 12, 3"
Barrel: 18"
Weight: 7.25 pounds
Length: 38.5"
Stock: Black synthetic stock and forend
Finish: Matte black
Price: \$319
Misc: Features an 18" cylinder choke barrel and bead front sight.

REMINGTON MODEL 870 SUPER MAGNUM



Gauge: 12, 2.75", 3", 3.5"
Barrel: 23", 26" or 28"
Weight: 7.25 to 7.5 pounds
Length: 40.5 to 48.5"
Stock: Hardwood or black synthetic and camo
Finish: Matte or polished blue
Price: \$376 to \$659
Misc: Available in turkey and combo versions. Also available in Wingmaster, Special Purpose & Express.

WILSON COMBAT SCATTERGUN TECHNOLOGIES BORDER PATROL MODEL



Gauge: 12
Action: Pump action
Barrel: 18"
Weight: 8 pounds
Length: 34"
Stock: Polymer
Finish: Parkerized or optional Armour-Tuff
Price: \$735
Misc: Other models available.

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.

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.

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.

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.

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.

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.

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.

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 synthetic stock
Finish: Blue or Mossy Oak Breakup
Price: \$987 to \$1,046 (Mossy Oak)
Misc: Special cantilever scope mount. Many different models available.

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

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.

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.

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.

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.

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.

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"

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.

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.

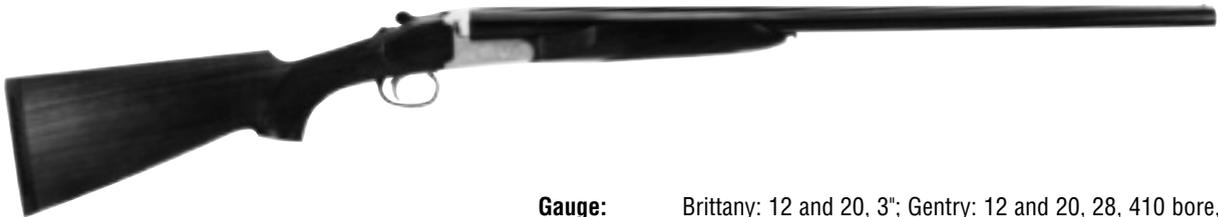
WILSON COMBAT SCATTERGUN TECHNOLOGIES STANDARD MODEL



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

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.

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.

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 Army.

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.

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.

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.

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.

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.

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.

PIOTTI SIDE-BY-SIDE SHOTGUN



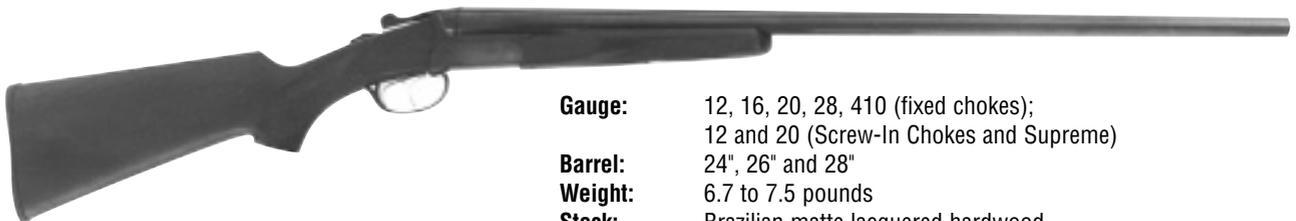
- Gauge:** 10, 12, 16, 20, 28 and 410
Barrel: 25" to 32" or to customer specs. Chokes as specified.
Weight: Built to customer specified weight
Stock: Fancy Turkish walnut or may be selected by customer
Finish: Case-hardened or coin-finished
Price: Boxlock from \$10,900
Misc: A hand-made best quality 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.

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.

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.

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



Gauge:	12, 2.75"
Barrel:	32" to 34"
Weight:	8.4 to 8.6 pounds
Stock:	Walnut with high gloss
Finish:	Blue or stainless steel
Price:	Conventional stock: \$1,240, Adjustable comb: \$1,478
Misc:	Features include Invector Plus choke tubes (or conventional full choke barrel), conventional stock (with adjustable comb)

EAA/BAIKAL IZH-18 SINGLE SHOT SHOTGUN



Gauge:	12, 16, 20, 410
Barrel:	26.5", 29.5"
Stock:	Walnut stained hardwood
Finish:	Black
Price:	Under \$110
Misc:	Hammer forger steel barrel, machined steel receiver, cross trigger block safety, decocking/cocking lever. Imported by European American Armory.

HARRINGTON & RICHARDSON TOPPER MODEL 098



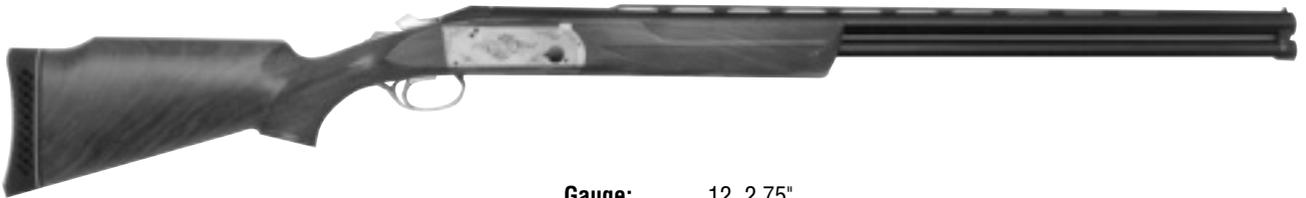
Gauge:	12, 16, 20, 28, 410: 3" and 2.75"
Barrel:	26", 28"
Weight:	5 to 6 pounds
Stock:	Black finished hardwood
Finish:	Blued
Price:	\$115 to \$135 (Deluxe)
Misc:	Satin nickel frame, brake open action with slide-lever release, automatic ejector. Available in Youth and Deluxe.

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.

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.

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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THE CHOICE OF PROFESSIONALS



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Contour Tactical**
with Fluted Barrel



SA58™ Carbine
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*American Rifleman,
February 2001*



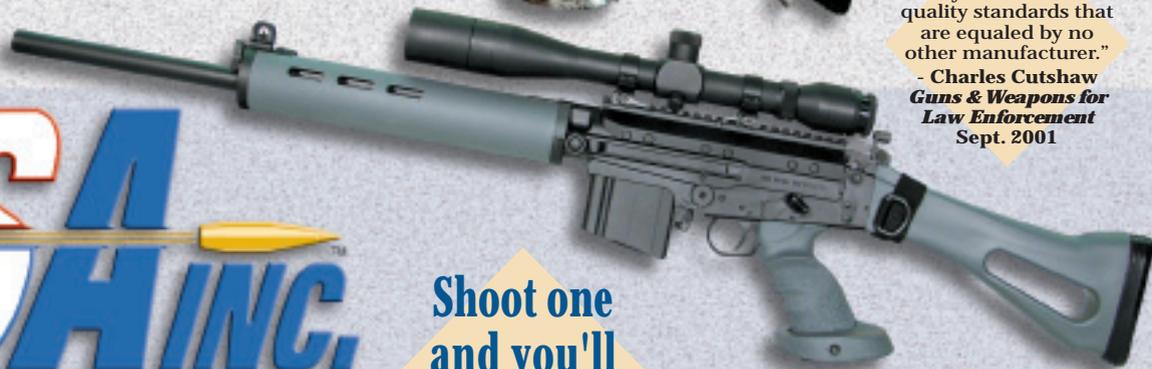
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with DuraCoat Desert Camo



**SA58™ Medium
Contour**
with Mossy Oak®
Breakup® Camo

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*- Charles Cutshaw
Guns & Weapons for
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Continuing The Legacy