

THE DSR-NO. 1 POLICE RIFLE

A Picture Of Modern Design

By Clint Smith

From computers to cars, contemporary society overwhelms us daily with new gadgets and devices. The firearms industry is not any different, as products from Scandium revolvers with integrated laser stock panels to polymer pistols and holsters abound. The race is on to get the newest gadget or widget to increase marksmanship. In many cases technology pretends—in theory—to take over for hard range work. Anyone reading this who has attended Thunder Ranch or who may have read my limited number of written articles knows that I am not a "technology" buff.

With this thought in mind I was slightly shocked when asked to review a new



Frontal view of the modernistic DSR-No. 1 Precision rifle.



Rifle front view.



High angle side view of the DSR-No. 1.



Muzzle brake of dual chamber design and suspension type adjustable bipod.

police-oriented precision rifle made by AMP Technical Services based in Oberndorf, Germany. In all candor, giving me a rifle like this is parallel to the television advertisement that shows a Samsonite suitcase being destroyed by a gorilla. I don't know what other writers may do, but as for me, I took this baby to the range and dragged it back and forth across the range decks and through a broad spectrum of shooting environments. But I get ahead of myself.

THE RIFLE

The DSR-No. 1 is a bolt-action rifle built on a bullpup design concept. The rifle's base materials are aluminum, titanium, stainless steel and glass-fiber-reinforced polymers.

From butt to muzzle the rifle has features which are unique—not in the sense

that they have never been used before but in the fact that many unique features have been gathered together into a single compressed package. Overall length is a nominal thirty-eight inches with an adjustable length of pull from eighteen inches to sixteen and one-half inches. This length of pull sounds overly long but taking into consideration the bullpup design, the operation and manipulation of the bolt is easy. The rifle tips the scales at approximately twelve pounds, eight ounces. The receiver, which is made of aluminum, holds the component parts consisting of the butt stock, which is adjustable for length of pull, as mentioned, as well as vertical adjustment of the butt plate. A rear support handgrip contains a rack and pinion "third leg" to support the rear end of the rifle while firing. This "leg" is eas-

ily adjustable (with the support-hand fingers) elevating or depressing the muzzle while in static positions.

One of the "neatest" things about the rifle is the suspension type bipod with a full three-axis movement. As the rifle's barrel "hangs" from the bipod instead of resting on it, there is no "pressure" or contact points on the rifle's barrel that could affect accuracy. Characteristic of modern bipods, the bipod legs have telescoping capabilities.

Stock weld is adjustable by the use of the self-contained cheek piece with a range of motion of about one inch. A Picatinny rail runs the length of the receiver allowing a wide range of fixed or detachable scope-mounted systems to be used. This full-length rail permits the use of compatible day and night vision attachments allowing daytime scope sight settings to carry over into low/no light environments.

The operating controls consist of an ambidextrous, three-position safety lever. The bolt handle is short—just over two inches long—with an enlarged knob attached. The trigger is a two-stage system that was very agreeable to those who shot the rifle during the testing process.

The rifle magazines are placed one rearward (which is the one drawn from during firing), and the spare located just forward of the trigger group. The magazine just may be of the steel anvil type, in that they are close to being bomb proof. The magazine locks in place in a very positive manner and their heavy-duty construction is a pleasant change from all of



Left side view of receiver showing safety, dual magazines.

the plastic "you touch'um you break'um" types one sees on the market today.

The DSR is available in calibers .243, .308, .300 Winchester Magnum and .338 Lapua Magnum. All of these calibers can be used on the same framework with a conversion package of barrel, bolt, bolt stop and magazines available.

A full-length vented barrel shroud protects the rifle's free-floating barrel. Barrels are available in lengths up to thirty inches in fluted or unfluted formats. Barrels in stainless or carbon steel are also available in threaded and unthreaded configurations for the mounting of law enforcement or military suppression systems. In my opinion, the muzzle break with dual chamber horizontal apertures is effective in reducing recoil, which in turn preserves time on target and assists in recovering the sights to the target during the firing cycle.

The rifle has attachment points for the use of a carrying sling, which could come in handy.

This rifle is intrinsically accurate. With a Leupold 4x14 power scope mounted on the rifle and a shooter attached, the groups in the accompanying table were fired after initial zeroing.

MY OPINION

During and after firing I came to these personal conclusions. The rifle's overall length is acceptable. The rifle for other than static work is heavy and I wouldn't want to have to charge up several flights of stairs with the rifle—you *will* see your lunch. The rifle is a right-handed operator's system. Under the duress of application if the only way the operator could access the threat target was from the left shoulder it probably could be done, however, it would not be a pleasant or often repeatable experience. After firing left-handed, the operator would probably have to move his head to reciprocate the bolt handle.

The ergonomically designed pistol grip is too large—if I use a baseball bat do I hold the big end or the little end? The grip should be smaller to accommodate smaller hands, left hands or for cold weather operations.

The bolt knob and handle are short and in conjunction with the straight angle

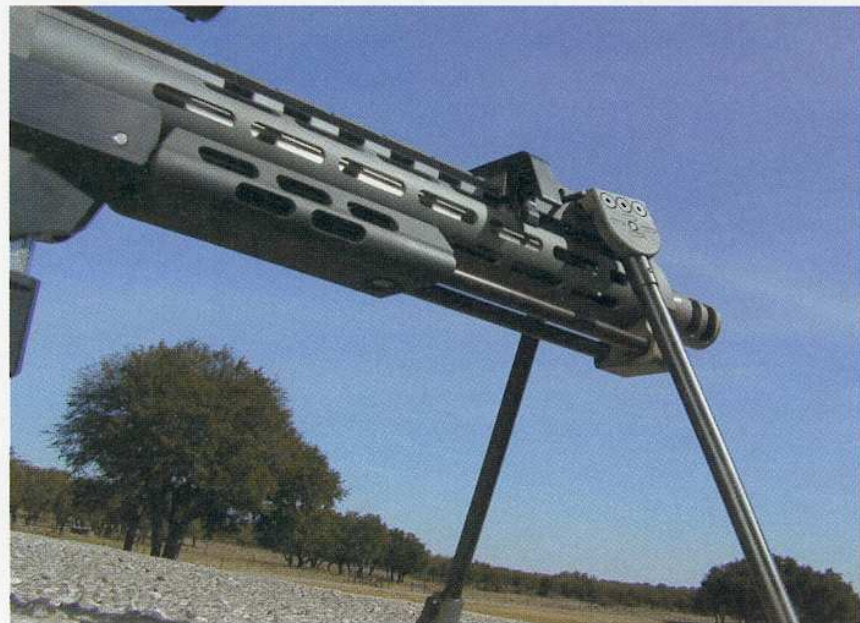


Right side of receiver showing bolt handle, dual magazines and safety. Small-elongated button at center left is the adjustment button for the cheek piece.

RANGE RESULTS, DSR-NO. 1

RANGE	AMMUNITION	GROUP SIZE
100 yards	Black Hills LP*	1/2-inch
100 yards	Federal 308M	3/4-inch
200 yards	Black Hills LP*	1 1/4-inches
200 yards	Federal 308M	2-inches
300 yards	Black Hills LP*	2-inches
300 yards	Federal 308M	2-1/2-inches

* Black Hills 168-grain Limited Penetration ammunition. All five-shot groups were fired from prone or bench rest positions.



Front to rear are muzzle brake, bipod and an adjustable forearm that moves on tubular rails running parallel to barrel.

design, I believe, contributed to several of the test operators impeding the extraction/ejection process. This design caused the empty cases to be knocked back into the open ejection port during reciprocation of the bolt.

This rifle is a picture of modern design, construction and materials. With some minor changes addressing weight and ergonomics, the DSR-No. 1 rifle would easily address the area of precision rifle application in static positions.

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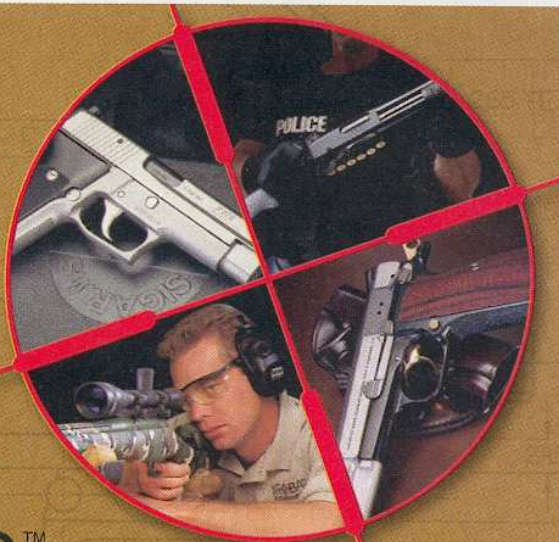
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Showing rear of rifle with adjustable butt pad and monopod adjustment knobs. Above the monopod is the adjustable cheek piece.