



# The Suppressed Sniper Rifle

## Canadian Tactical

The Reflex Suppressor is a trademark for suppressor construction; it is designed to be used with supersonic, high-powered ammunition. The Reflex Suppressor is built to fulfill or exceed military standards and stand up to harsh military use.

To be effective full-bore rifle suppressors have to be rather bulky. Adding a suppressor to a full-bore rifle normally increases the overall length by about 12 inches, making the weapon awkward and muzzle-heavy.



doesn't fit in a standard rifle case, so the sound moderator must be removed for storage and transport. Shortening the barrel by a few inches helps a bit, but if the barrel is shortened too much, muzzle velocity and trajectory are adversely affected.

To overcome these and other problems, Finnish designer Juha Hartikka invented the Reflex Suppressor. The Reflex Suppressor concept solves most of the practical problems associated with suppressed full-bore rifles. For instance a sniper rifle with full-length barrel and Reflex Suppressor still fits neatly into a standard rifle case

The patented Reflex Suppressor design has the expansion chamber sleeved back over the front four to eight inches of the barrel. This reduces the overall length of the suppressed weapon, and improves its balance and handling qualities.



Although the Reflex Suppressor is primarily designed for supersonic ammunition, it also works well with subsonic ammunition. The Reflex Suppressor doesn't only reduce the noise; it also reduces recoil a great deal and completely eliminates muzzle flash. Reflex Suppressors are made from sheet steel by stampings and welding to minimize weight without sacrificing durability.

Independent tests with a 308 Winchester hunting rifle confirm that Reflex Suppressors do reduce the sound pressure at the shooter's ear to well below the British Health and Safety Executive's "peak action level" of 140 dB. In practice, depending

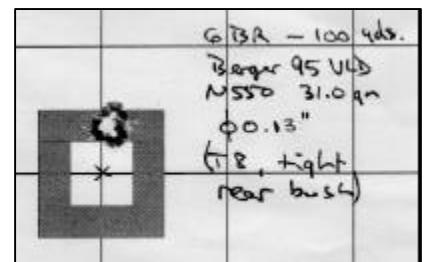


on the amount of bullet flight noise reflected back to the shooter by trees or fences etc., a full-bore rifle with a good suppressor sounds about the same as a high velocity 22 LR rimfire rifle.

For muzzle-mounted suppressors, the usual single-point mounting system is relatively crude and weak - just a short 1/2" UNF thread and a small shoulder to align the suppressor with the rifle bore. By contrast, the two-point Reflex mounting system with a thread at the muzzle and a close fitting bushing at the rear of the

suppressor is very strong and resistant to harsh field use. The suppressor stays in alignment with the bore even if it is accidentally unscrewed a couple of turns. Accuracy and trajectory are not impaired!

We usually find that the accuracy of target rifles is slightly improved by the addition of a Reflex Suppressor. Shooting without ear defenders, the operator can listen as well as look and feel for wind changes. The suppressor also cuts recoil by about one third. This 1/8 MOA group (right) was fired during load testing with a specialized long-range target/varmint rifle fitted with a T8 Reflex Suppressor.



### Canadian Tactical Ltd.

PO Box 632, Station M, Calgary, AB T2P 2J3  
 (403) 277-5184 (403) 699-0025 fax  
[www.canadiantactical.ca](http://www.canadiantactical.ca) [info@canadiantactical.ca](mailto:info@canadiantactical.ca)

**Large Bore Rifles** - The BT8 Reflex Suppressor is suited for use with full power .50 BMG ammunition. The muzzle brake effect of a suppressor is close to the original muzzle brake at about a 30% reduction in recoil. Suppressor fastening goes without elbow grease onto muzzle threading. The .50 BMG report and muzzle blast is tamed considerably and can be compared to a .308 unsuppressed rifle, allowing more practice and increased accuracy as well as more rapid follow up shots. A suppressor is also an efficient flash hider, making the shooter almost invisible, even in dark conditions.



**Ase Ultra** suppressors allow those units or operators requiring a greater level of noise reduction another option. The AU Z-Jet Compact, muzzle mounted suppressor, offers maximum performance in a reduced size (left). Available with muzzle threads identical to the BR Reflex

Suppressor, the Z-Jet Compact is interchangeable with the Reflex Suppressor. The extremely high-tech Z-Jet design offers maximum noise reduction in a compact, all steel, unit that is specifically designed for full-powered ammunition. Used with subsonic ammunition, the Z-Jet Suppressor offers truly amazing sound reduction levels for almost silent shooting. The AU Z-Jet Compact suppressor is available in sizes from .22 to .338 calibre to fit almost any rifle or application.

**BR-Tuote** makes suppressors to fit 9mm handguns, submachine guns, AR15 / M4 variants, sniper rifles, magnum rifles, .338 Lapua Mag and .50 BMG rifles as well as machine guns.



"Red hot test" (below) being performed with a Reflex Suppressor on a belt-fed, 8mm MG34 machine gun at 900+ rounds per minute, a 50-round belt at one burst.

**Canadian Tactical**

Canadian Tactical can offer departments a range of suppressors to fit almost any weapon, including .22 handguns and rifles, 9mm handguns, submachine guns, assault rifles and full sized battle rifles, as well as sniper rifles in any calibre from .22 to .50 BMG. Models are available in a variety of mounting systems. These include models designed to fit standard military flash hiders and a range of standard and custom thread sizes. We carry the full line of BR-Tuote Reflex Suppressors, as well as Ase Ultra Z-Jet Suppressors and SAK .22 rimfire suppressors and accessories.



**Typical Delivery Times**

Suppressors in stock, in Canada, can be delivered within 10 business days, upon receipt of the proper paperwork. Models, in stock, in Europe can be delivered within 4-6 weeks while custom applications can be delivered within 6-8 weeks.



Contact Cantac to find out how we can supply your department or unit with the best tactical suppressors in the world.

**Canadian Tactical Ltd.**  
 PO Box 632, Station M, Calgary, AB T2P 2J3  
 (403) 277-5184 (403) 699-0025 fax  
 www.canadiantactical.ca info@canadiantactical.ca