



Owner's Manual - Telescopic Reflex Suppressors

Telescopic Reflex Suppressors are all steel Sound Suppressors designed especially for use with military assault rifles and sniping rifles using full-power cartridges, to help avoid the risk of hearing loss and to help conceal the location of the shooter.

Due to the telescopic layout, most of the suppressor extends behind the muzzle and the suppressor supports itself at two points on the barrel. A removable barrel bushing at the back of the suppressor enables using the same suppressor on separate rifles with barrel diameters up to 22.5mm. Telescopic mounting makes a very rigid mounting and a Reflex Suppressor can withstand shooting, even a few turns loose, which would normally damage traditional forward mounted suppressors.

The T8 Scout has eight baffles and extends the rifle by about 98mm (less than 4"). It can be used on calibres ranging from 5.56x45 (.223 Remington) up to .458 Magnum. Reflex Suppressors are available with four different bullet hole diameters to accommodate all the various calibres. A separate Reflex Suppressor model is available for the .50 BMG.

The T8 typically reduces peak noise exposure levels towards the shooter from an unsuppressed 165 - 170 dB, down to the USA and European maximum limit of 140 dB. However this depends on calibre and loads. An appropriately mounted suppressor, when used according to normal shooting and gun handling precautions, delivers noise attenuation that helps reduce the risk of hearing injuries, however the manufacturer cannot be held responsible in any event or circumstances for any hearing injuries.

Note: NO suppressor can eliminate the ballistic crack of a supersonic bullet. Reflex Suppressors do not reduce bullet velocity. Using subsonic rounds the noise of the shot is not much louder than the sound of a firing hitting an empty chamber. **Note:** In a .30 calibre rifle, subsonic loads require a 254mm (1:10) twist to stabilize bullets heavier than 150 grains. For more information on the stability of subsonic rounds please contact the distributor. **Do Not** shoot unstable ammunition through a suppressor.

Fitting: Mounts requiring muzzle-threading must be made by the distributor or a competent gunsmith. Models to fit the AR15/M4/M16/C7 rifle are available with quick detach mounts that fit the existing flash-hider. Standard threads include (M14x1, M15x1, or M17x1) but custom applications are available. The thread is cut on the muzzle in a lathe (see separate mounting instructions) with no other modifications to the weapon required.

Mounting: When screwing the Reflex Suppressor onto a rifle, tighten it only moderately. **Use only as much force as can be applied with the fingers of one hand.** Over tightening may result in excess group shift or loss of accuracy. It is best to tighten the suppressor to the same tightness every time to ensure optimum accuracy and to maintain the same point of impact.

When properly mounted, a suppressor usually does not increase the group size, it may even tighten the group. Additional weight on the barrel shifts the group impact point but this displacement is easily corrected by dialing in the sight. The extent of the point of impact shift is usually less than one MIL or 4 MOA, depending on the type of rifle and ammunition.

Maintenance: The Reflex Suppressor is a practically maintenance free device. **The suppressor should be cleaned after each shooting session.** Remove the suppressor or leave the action of the rifle open after use. This helps avoid corrosion by letting condensation from powder gases evaporate away. **A small amount of Break Free, Rig #2 or other light gun oil sprayed into the suppressor will prevent corrosion.** WD40 can also be used but tactical operators are advised that WD40 will cause a large smoke signature when the suppressor is next used. Normal fouling from powder and primers do not have an effect on the suppressor's functioning. Loose solid impurities like powder grains and carbon chips are easily removed by shaking the suppressor, while keeping it vertical, front end down. Washing with liquids or solvents is inadvisable.

Warning:

- Do not shoot shotshells, unstable projectiles or discarding sabot ammunition through a suppressor.
- Suppressors increase gas blow-back through the ejection port. Use shooting glasses to avoid eye damage.

Accessories:

- Muzzle thread protector nut.
- Suppressor mirage/heat shield
- Barrel bushing centering jig - for centering bushing in a lathe during mounting.
- Extra barrel bushings (brass - for automatic weapons), (Delrin - for sniper rifles)

Internet Owner's Manual: <http://www.canadiantactical.ca/Docs/BROwnersManual.PDF>

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