



Owner's Manual - .50 Calibre Telescopic Reflex Suppressors

Telescopic Reflex Suppressors are all steel Sound Suppressors designed especially for use with military sniping rifles using full-power cartridges, to help avoid the risk of hearing loss and to help conceal the location of the shooter. **Note:** No suppressor can eliminate the ballistic crack of a supersonic bullet. Reflex Suppressors do not reduce bullet velocity.

Due to the telescopic layout, most of the suppressor extends behind the muzzle and the suppressor supports itself at two points on the barrel. 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. However it is still recommended that the suppressor be checked for tightness every few rounds.

The .50 calibre Reflex Suppressor does not reduce peak noise exposure levels at the shooter's ear below the USA and European maximum limit of 140 dB. Hearing protection must be worn when shooting a suppressed .50 calibre weapon. The manufacturer cannot be held responsible in any event or circumstances for any hearing injuries.

Removal of the Muzzle Flash Hider: The first time the suppressor is to be installed to the McMillan TAC-50 weapon it will be necessary to have the muzzle flash-hider removed by preferably a qualified armourer. The muzzle flash-hider installed by the McMillan factory is installed with Lock-Tight and it will require the proper wrench and a snipe for removal while the weapon is properly secured as the force required to remove the flash-hider the first time is significant.

Once removed the flash-hider and suppressor can be removed and installed in and out of the field simply by the operator. Reinstallation of the flash-hider will require a standard open-ended wrench if reinstallation is deemed necessary.

Mounting: Hold the weapon muzzle pointing upwards. Lower the suppressor down over the barrel and allow it to gently engage the threads. Rotate the suppressor clockwise as the weapon has right hand threads. The suppressor will and should spin on freely. 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 may shift the mean point of impact but this 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.

When the suppressor is installed the recoil of the weapon will change as the propellant gases are being redirected straight down range as opposed to the sides when the flash-hider is installed. Be prepared for the change in recoil, which is straight to the rear. The spotter can now be properly positioned and the muzzle blast no longer negatively affects the operator and spotter.

Maintenance: The Reflex Suppressor is a practically maintenance free device. **The suppressor should be cleaned after each shooting session to avoid corrosion.** 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.
- Do Not shoot unstable ammunition through a suppressor. For more information on the stability of subsonic rounds please contact the distributor.

Accessories: - Suppressor mirage/heat shield

Internet Owner's Manual: <http://www.canadiantactical.ca/Docs/BR50OwnersManual.PDF>

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