

# ASE UTRA

## Owner's Manual – Z-Jet Suppressors

Z-Jet 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. Z-Jet Suppressors are available for calibres ranging from .22 to .338 and 9mm.

All Z-Jet Suppressors reduce peak noise exposure levels towards the shooter to below 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. Z-Jet 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. 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. Models to fit the AR15/C7 rifle are available with a quick detach SP Mount that fits the existing flash-hider. Mil Spec flash-hiders may vary in outer diameter. The SP Mount is designed to fit flash-hiders ranging from 0.8614" (21.88mm) to 0.86299" (21.92mm).

**Mounting: Thread Mount:** Screwing the suppressor onto the muzzle threading, 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 maintain the same point of impact.

**SP QD Mount:** Remove the mount from the suppressor. Slip the mount over the flash-hider with the threads to the muzzle. Rotate the mount until the eccentric is pointing either up or down. Slip the eccentric into the rear ring on the flash-hider. It may require a slight tilting or twisting of the mount to allow it to slip into place. Once the mount is in place, slide the suppressor over the flash-hider and screw it onto the mount. The SP Mount is designed to hold the suppressor in place during extended firing without loosening. Before removing the suppressor, ensure it is NOT hot. Grasp the SP Mount, holding it in place and unscrew the suppressor. Slide the mount off the flash-hider and replace it on the suppressor. The SP Mount is serialized and should not be switched from suppressor to suppressor.

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 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. Due to the single point mount, the Z-Jet Suppressor should not be shot when loose or catastrophic damage may occur. Suppressors should be checked for looseness before and during shooting.

**Maintenance:** The Z-Jet 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

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

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