

10B ZEROING – F-CLASS

Zeroing an F-Class rifle involves adjusting the telescope.

The owner must know, before starting, the adjustment increments and direction of movement. Most scope movements are, like target rifles, a quarter of a minute per click but, like target rifles, half minute and third minute scopes exist. Also, some scopes use clockwise clicks to go up and right (and vice versa), others may use anticlockwise. Details will be found in the scope instructions. 'Minutes of angle' also need to be understood (see Sights and Aiming).

If a scope has not previously been zeroed to that rifle, it will first need to be 'bore sighted' – best done at 100 yds. Mount the rifle in a rest or on sandbags or something that holds it firmly and will not move. Remove the bolt and sight through the barrel on to the target, moving the rifle as necessary, then anchor it. Look through the scope and adjust until the crosshairs are centred on the target. Check through the barrel, then the crosshairs again, until both are centred. This way, the first shot should be well on the target and finer zeroing can start.

A normal firing position is then adopted and one shot fired. If it is not on target, adjust, firing one shot at a time until it is. Then fire 3-shot groups and adjust until the MPI is in the centre of the target. Finish with a group that is accurately centred. The adjustment knobs should now be set to 'zero' and locked – this is now the reference point for 'zero'. To set the adjustment knobs usually involves slackening a small grub screw or allen screw to allow the adjustment knobs to be moved without moving the sight. Set them to 'zero' and nip up the screws. For adjustments to other distances, see 'Sights and Aiming'.

Zeroing For High Muzzle Energy Rifles

This is for shooters using rounds which have a muzzle energy of more than 4500 Joules.

Only RCO's who have been trained to conduct this practice, may do so.

N.B. F-Class shooters may be asked to provide chronographic proof of the muzzle energy of their rounds.

The special zeroing target is mounted on the frame so that it can be removed and stored (i.e. use 'magic' tape or masking tape. It is to have the names and signatures of both firer and RCO, with date.

The sights on the telescope are set for 600 yds. One shot is fired and spotted. The scope is adjusted, one shot at a time, until the shot lands within the designated area on the target. A group of 5 shots must then all land inside the designated area. (If the first shot falls in this area, then only four more need be fired, giving five). The designated portion of the target is then removed and signed and dated by the firer and RCO.

This procedure must be carried out at the start of each single range booking or on the first day of a continuous event. Special arrangements will be in place for use at Bisley.