

XB30 Zoom FFP 2–8x36

SKU: I2320 • Crossbow Scope

Focal Plane

First Focal Plane (FFP)

First focal plane optical systems have their reticle positioned toward the turrets of the scope, after the magnification system. As such, the visible size of the reticle changes with an alteration to the scope's magnification – the target image behind the reticle will stay in proportion to the reticle as the magnification is adjusted.

Zeroing

Precise zeroing should be performed at a measured 50 yards, using the 50 yard aiming point in the scope.

1

To avoid the risk of losing an arrow, we recommend beginning at 10 yards to make initial gross adjustments. Place a target at 10 yards and take a shot using the central aiming point in the scope (the center of the largest cross at the center of the horseshoe).

2

Remove the dust covers from the windage and elevation turrets and make adjustments to bring the point of impact closer to the point of aim. For example – if the arrow has impacted lower than the point of aim, rotate the elevation turret counter-clockwise to raise the point of impact. At 10 yards, each click equals 1/20 inch (20 clicks to move the point of impact 1 inch).

3

When the point of impact is within about 1-2" of your point of aim at 10 yards, move to a measured 50 yards from the target to perform the true zero. Using the 50 yard aiming point in the scope, continue making windage and elevation adjustments until you have achieved an accurate zero, then replace the turret dust covers. At 50 yards, each click equals 1/4 inch (4 clicks to move the point of impact 1 inch).

Once zeroed at 50 yards, all the other aiming points will be correct. Depending on the exact velocity

and arrow configuration of your bow, the central aiming point will equal 30-35yds. The top of the central cross can also be used as an approximate aiming point between 10-20 yards.

Basics

Mounting the Crossbow

Warning: Be sure that the crossbow is not loaded. Always practise safe handling.

- 1 Fix the rings to the mounting rail - do not completely tighten.
- 2 Lay the scope into the rings. Before tightening the rings, look through the scope in your normal shooting position. Adjust the scope (forward or backward) until you find the furthest point forward (to ensure maximum eye relief) that allows you to see a full field of view.
- 3 Rotate the scope in the rings until the horizontal reticle markings are parallel with the crossbow limbs and the elevation turret is on top.
- 4 Tighten the screws evenly on each side.

Warning: Avoid over tightening the rings. This can damage the scope affecting performance or rendering it inoperable. (16 in/lbs) (1.33 ft/lbs) (1.8 Nm) for ring cap screws and (30 in/lbs) (2.5 ft/lbs) (3.4 Nm) for ring base screws. **Warning:** When installing a scope, always ensure that there is adequate eye relief. This will avoid eye injury.

Ocular Lens Adjustment

All Hawke scopes are fitted with an adjustable ocular focus. To focus your eye characteristics to the scope, giving a crystal clear picture of the reticle, carry out the following adjustment.

- 1 Hold the scope about three or four inches from your eye and look through the eye piece at a blank, flatly lit, bright area such as a wall or open sky.
- 2 If the reticle is not sharply defined instantly, turn the eyepiece (either direction) a few turns. Quickly glance through the scope again. If the focus has improved, but is still not perfect, continue focusing.

3

If the focus became worse, turn it the opposite direction.

Warning: Never look at the sun with a scope, it may permanently damage your eyes.

Warranty

No Fault Lifetime Warranty

Hawke products are covered by our lifetime warranty. For full details and conditions or to make a claim please see hawkeoptics.com/warranty or contact your in-country distributor. **Please note:** your proof of purchase should accompany any warranty claim.

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