

# 12321 - XB30 ZOOM FFP

## Mounting the Scope

*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.*

## **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.

## **Illumination**

The illumination rheostat is located on the side of the saddle.

High brightness settings are recommended for daytime use when ambient light is bright, this will allow the reticle to be visible against dark backgrounds. Note, highest brightness settings will produce an amount of glare that is visible when ambient conditions are not bright.

At times of low light such as dawn or dusk, a lower brightness setting is recommended. The lower settings may not be visible during bright daylight. Reticles are black in the off position or if the battery is flat.

All Hawke illuminated models use a CR2032 coin style lithium battery. To insert a battery, unscrew the battery compartment cap on the top of the rheostat adjustment turret and insert a new battery “+” side up.

*Warning: Always hold onto the lower half of the rheostat when loosening or tightening the battery compartment cap to ensure no damage is done.*

## Maintaining your scope

Each Hawke scope is a precision instrument that deserves a high level of care. During manufacture the scope is purged with dry nitrogen and sealed to give a lifetime of reliability. Do not attempt to disassemble or clean the scope internally. Keep the protective lens covers in place when the scope is not in use.

The external lens coatings should occasionally be wiped clean with the lens cloth provided or an optical quality lens paper. Remove any external dirt with a soft brush to avoid scratching the lens.

*Note: Unnecessary rubbing or use of a coarse cloth may cause permanent damage to lens coatings. To clean the external surface of the scope it is recommended that a silicone impregnated cleaning cloth is used to protect the scope.*

## Tips for safe storage:

- Always store in a moisture-free environment.
- Never store the scope in places such as the passenger compartments of vehicles on hot days, the high temperatures could adversely affect the lubricants and sealants.
- Avoid direct sunlight that can enter the objective or the ocular lens, damage may result from the concentration (burning effect) of the sun's rays passing through the scope.

# Warranty

Hawke products are covered by our lifetime warranty. For full details and conditions or to make a claim please see [hawkeoptics.com/warranty](http://hawkeoptics.com/warranty) or contact your in-country distributor.

Please note: your proof of purchase should accompany any warranty claim.

## Product Registration

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