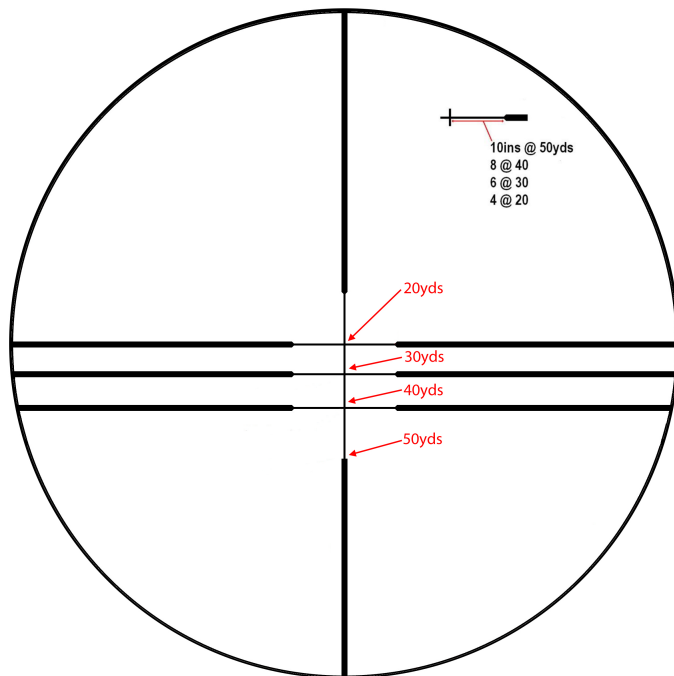


## Aim Points:



## Maintaining your scope:

Your scope is a precision instrument that deserves a high level of care. 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 optical surfaces should be wiped clean occasionally with the lens cloth provided or an optical quality lens paper. Remove any external dirt or sand with high pressure air and a soft brush to avoid scratching the lens finish.

Wipe the scope with a damp cloth, then with a dry cloth, then go over the metal section of the scope with a silicone cloth in order to protect the scope against corrosion.

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

**WARNING: UNNECESSARY RUBBING OR USE OF A COARSE CLOTH  
MAY CAUSE PERMANENT DAMAGE TO LENS COATINGS**

Hawke is a registered trademark. 4X32 reticles are © Hawke Sport Optics

## Hawke 4x32 MAP Crossbow Scope Reference Guide



## 4x32 MAP

**Congratulations** on the purchase of your new  
**HAWKE** Crossbow scope.

Your new scope is a high performance  
optical product designed to give years of service.

Please read these instructions carefully before use.

**HAWKE**<sup>®</sup>  
SPORT OPTICS

[www.hawkeoptics.com](http://www.hawkeoptics.com)

Hawke Sport Optics LLC, 6015 Highview Drive, Suite G, Fort Wayne, Indiana 46818

## Instructions for use

**WARNING: NEVER LOOK AT THE SUN WITH THIS SCOPE - IT MAY PERMANENTLY DAMAGE YOUR EYES.**

**CAUTION: BE SURE THAT THE CROSSBOW IS NOT LOADED WHEN MOUNTING THE SCOPE. ALWAYS PRACTICE SAFE CROSSBOW HANDLING.**

**CAUTION: ALL SHOOTING SHOULD BE CARRIED OUT AT AN APPROVED RANGE OR OTHER SAFE AREA.**

**CAUTION: BE SURE THAT THE SCOPE IS MOUNTED FAR ENOUGH FORWARD - ITS REARWARD MOTION MAY INJURE THE SHOOTER WHEN THE CROSSBOW RECOILS.**

## Mounting the scope on your crossbow

Support your un-cocked crossbow on a sturdy surface and position a good quality set of rings on the crossbows scope rail. Tighten up the side bolts.

Determine the best eye relief. This is achieved when the crossbow is held in your normal shooting position and a full sight picture is viewed without straining or stretching your head or neck. This optimum adjustment may also require the rings to be moved along the scope rail.

With the top ring screws still loosened slightly, rotate the scope so that the horizontal crosswire is parallel with the crossbow string and limbs, when viewed through the scope. Next, tighten the top ring screws and double check that the scope hasn't moved from its optimum position.

## Adjusting the ocular lens

The ocular lens housing has a fine focus adjustment that quickly adjusts to make the reticle as sharp as possible when viewed through the scope.

Set the focus of the reticle in similar light conditions and at the approximate range at which you expect to use your scope.

Try not to stare at the reticle to get it in focus; it should be sharp the moment you glance through the scope.

## Initially zeroing the scope

Choose a place to shoot your crossbow with a safe backstop and ensure that no one can step unseen into or in front of the firing line.

Initially, place a paper target on the backstop at about 10 yards and take a shot at its center.

Remove the dust covers from the windage and elevation turrets of the scope and make a suitable adjustment to the turret to bring the point of impact (POI) closer to the point of aim (POA).

For example - if the arrow has landed lower than required; rotate the elevation turret counter clockwise to raise the point of impact. A high impact point requires a clockwise adjustment.

Both turrets move the POA a 1/2 minute of angle per click – this is equal to a 1/2 inch at 100 yards or a 1/20th of an inch at 10 yards.

After achieving an approximate zero at 10 yards, move back to a measured 20 yards and continue adjusting the turrets until the top cross of the reticle and the point of impact are the same. At this range each click equals 1/10th of an inch.

When you are happy with the 20 yard zero, replace the turret covers.