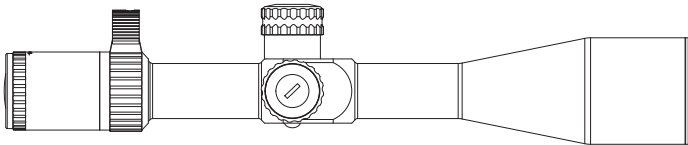


# **MONSTRUM**

# **HORNET II**

FIRST FOCAL PLANE



## **HORNET II FFP HPVO Rifle Scope Features:**

- Adjustable magnification for near and far targeting.
- Illuminated reticle with MOA or MIL reference marks for quick wind and distance holdovers.
- Adjustable objective (AO) lens - allows for a precise focus of the target image, elimination of parallax, and range estimation. Adjusted by a side focus dial.
- Built-in Throw Lever for fast adjustments.
- Red and Green illumination for better reticle visibility.
- Aircraft grade 6061 hard-anodized aluminum construction
- A sealed, nitrogen charged scope tube for resistance to fog and water.

## Your scope includes:

Scope Rings

Lens Covers

Cleaning cloth

CR2032 3V battery

Visit us online for more accessories at:

**MONSTRUMTACTICAL.COM**



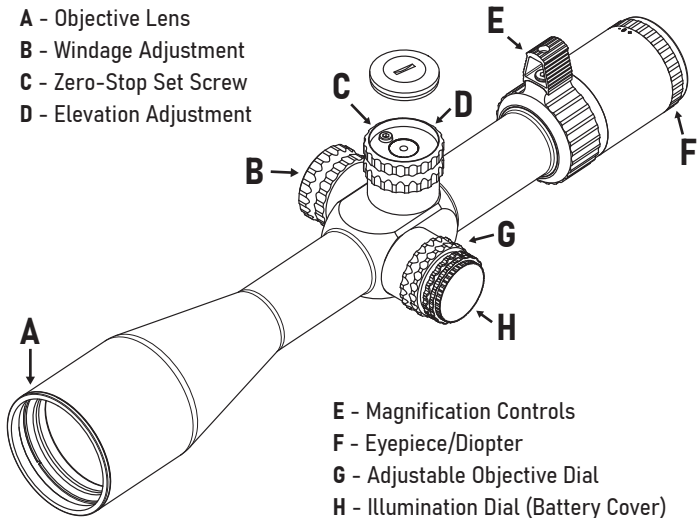
## WARNING

**INGESTION HAZARD:** This product contains a button or coin cell battery.  
**DEATH** or serious injury can occur if ingested.

A swallowed button or coin battery can cause **Internal Chemical Burns**  
in as little as 2 hours.

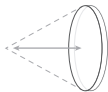


- A** - Objective Lens  
**B** - Windage Adjustment  
**C** - Zero-Stop Set Screw  
**D** - Elevation Adjustment



- E** - Magnification Controls  
**F** - Eyepiece/Diopter  
**G** - Adjustable Objective Dial  
**H** - Illumination Dial (Battery Cover)

## Mounting/Focusing



**Eye Relief: 4in**

### **Determine the proper eye relief distance.**

Set the magnification to the highest setting and look through the scope. The optimum eye relief is the farthest distance away from the scope from which you can still see the entire circular field of view. The eye relief should be approximately 4 inches.

### **Position your Scope.**

This scope has a built in scope mount. Hold your rifle in a comfortable shooting position with your cheek welded to the stock. Position the scope according your optimum eye relief distance.

### **Focusing your scope.**

Adjust the focus ring at the end of the eyepiece until the reticle is in focus. Point at a blank wall for better results. NOTE: Adjusting the focus ring does not bring the target image into focus.

## **Adjustable Objective (AO)**

AO stands for adjustable objective. This scope is equipped with an adjustable objective lens. What does that mean?

For non-AO scopes (scopes with a fixed objective lens), targets will only be in focus and parallax free with the reticle at a fixed distance (100 yards). Targets at other distances will be out of focus and parallax will be an issue. This means that for targets at other distances, the position of the reticle in relation to the target will shift slightly when you move your head, resulting in less accurate shooting.

An AO scope allows you to adjust the objective lens of the scope, bringing the target image into focus with the plane of the reticle. An AO scope, when properly focused, will bring your targets into sharper focus, eliminate parallax, and gather ranging information about your target.

### **Using the AO dial:**

1. Look through your scope at your desired target.
2. Adjust the AO dial, located on the left side of the scope, until the target image is at its sharpest focus.
3. Confirm that the sight picture is parallax free. To confirm this, move your eye slightly from side-to-side. The reticle should remain fixed on the target.
4. The AO dial should also allow you to estimate the approximate range of your target based on the physics of the image projection. Once in focus, the approximate range of your target is indicated by the range markings on the AO dial.

## **Sighting in your Scope**

**TIP: Bore sight your rifle for the most accurate targeting.**

1. Place your target 100 yards away (or the distance you wish to sight your scope at).
2. Position your rifle on a steady shooting platform, pointed at the target.
3. For scopes with variable magnification, set to the maximum setting.
4. Fire a round at the center of the target, taking care not to move the rifle.
5. Using a spotting scope/binoculars, identify the bullet hole on the target.



6. Using the windage and elevation adjustment dials on your scope, adjust the position of the crosshairs to align with the bullet hole. The elevation dial is located on the top. The windage dial is located on the right side.

7. Once the crosshairs are aligned with the bullet hole, aim again at the center of the target and repeat the process until you are consistently hitting the center of the target.

## **Windage and Elevation Adjustments**

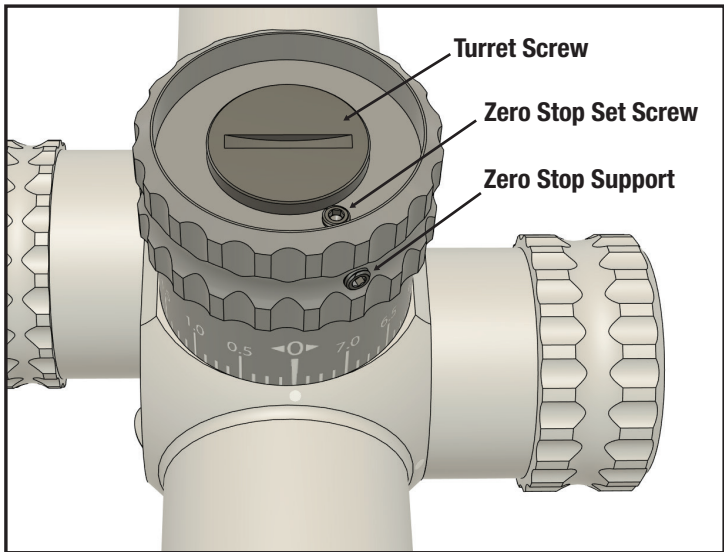
### **Windage Adjustments**

Pull Turret out fully to unlock. Turn to adjust centerpoint left or right.

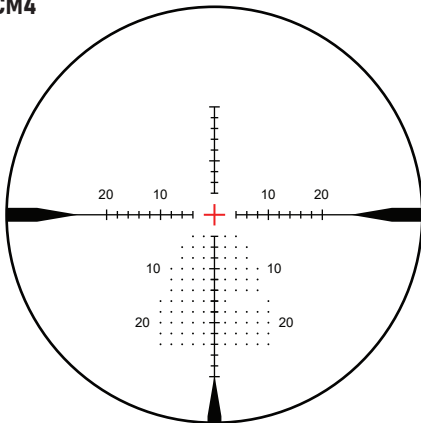
Push Turret in fully to lock.

### **Elevation Adjustments**

1. Take off the elevation cap & unscrew the Zero Stop set screw to disable it. Dial will rotate freely both ways.
2. Set the elevation to the distance you want to zero at (e.q. 100 yards).
3. Remove the Turret screw and lift the dial and rotate it so the "0" (zero) is set at the hashmark on the body. Lock it back down with the Turret screw.
4. Screw in the Zero Stop set screw to lock in the setting and then screw in the Zero Stop Support and replace the cap. The dial will now stop at zero.

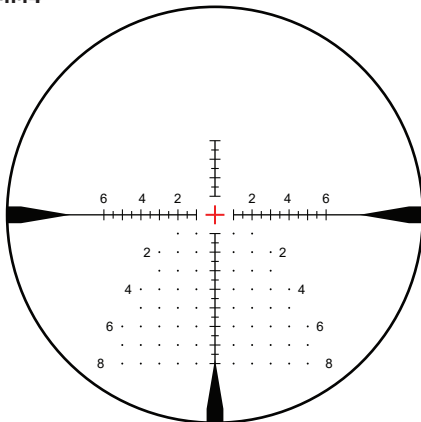


## Reticle - CM4



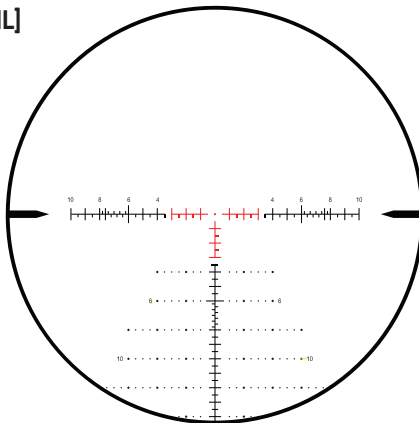
CM4.5-MOA

## Reticle - MM4



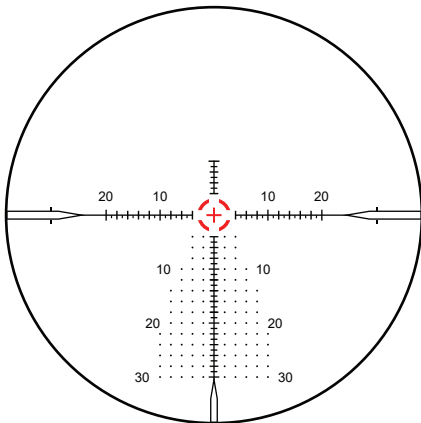
MM4.3-MIL

# Reticle - X-TREE [MOA & MIL]



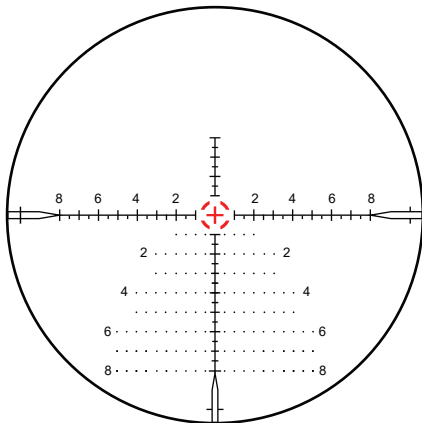
X-TREE

## Reticle - CM6



CM6.1-MOA

## Reticle - MM6



MM6.1-MIL



## Reticle Details

This scope is equipped with either an MOA or MIL reticle designed with reference marks for quick wind and distance holdovers.

MOA: 1 MOA (Minute of Angle) = approx. 1 inch @ 100 yards away.

MIL: 1 MIL (Minute of Angle) = approx. 3.6 inch @ 100 yards away.

The scope uses a first focal plane reticle, meaning the size of the reticle relative to the target image stays consistent across different magnification settings. The ranging information also remains constant allowing for faster, more convenient range estimation and holdover correction.

The reticle is equipped with an illumination feature that lights up red or green in variable brightness. The illuminated reticle aids visibility in low light environments such as during dusk or against dark targets. It is not usable in very dark environments.

The Reticle Illumination Control is on the same dial as the Adjustable Objective Control. Turn the outermost dial to turn it on and adjust the brightness.

The illuminated reticle is powered by a single CR2032 3V battery, located within the reticle illumination dial. To change the battery, just unscrew the button cap and insert a new battery. Please dispose of dead batteries at a hazardous waste collection center.



# LIFETIME WARRANTY

Monstrum guarantees this product against manufacturing defects in materials and workmanship for the Life of your ownership. For more warranty information please visit: [\*\*MonstrumTactical.com/warranty\*\*](https://MonstrumTactical.com/warranty)

**MONSTRUMTACTICAL.COM**

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