



Phenom UHD

MOA Reticle Eyepiece



Product Manual

Rotate this ring to adjust the diopter for your eyesight.



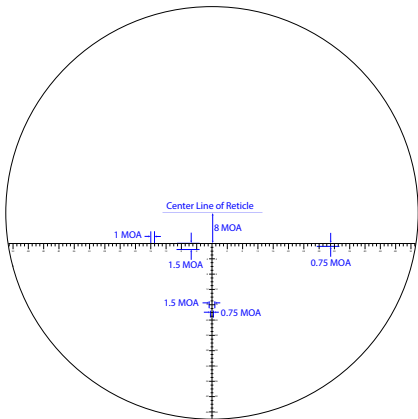
Rotate this ring to fine tune the reticle orientation for uneven terrain.

Phenom UHD MOA Reticle

The MOA Reticle Eyepiece offers the utility of a reticle with the ultra high definition Phenom spotting scope. The wide angle MOA Eyepiece offers exceptional field of view and the fixed 33X magnification offers the highest level of resolution. Hi-Lux Optics' ranging reticle provides precise target range estimation using the ranging formulas.

The MOA based Phenom UHD reticle can be used to estimate distances, call for wind and shot corrections. With this MOA reticle, the glasser can quickly and accurately provide shot corrections in MOA. This is especially useful when the shooter is using a rifle scope with MOA based reticle and adjustments.

Phenom UHD MOA Reticle Subtensions



The Phenom UHD MOA Reticle has whole MOA subtensions spanning the horizontal and vertical scales.

The longer tickmarks subtend 1.5 MOA. The shorter tickmarks subtend 0.75 MOA.

Every multiple of 4 MOA is enumerated on both horizontal and vertical scales.

The MOA reticle scale is offset below the center line. This allows an unobstructed line of sight for target acquisition. When you need to range find or call shots, you can adjust the Phenom UHD so that the MOA reticle lines up with the target.

Ranging with the MOA Reticle

MOA is an angular measurement that varies in linear size depending on the distance. In order to calculate the range to your target, you **need to know the size** of the target or a nearby object.

MOA Ranging Formulas

$$\frac{\text{Target Size in Inches} \times 95.5}{\text{Measured Size in MOA}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size in cm} \times 34.37}{\text{Measured Size in MOA}} = \text{Range (Meters)}$$

To range your target of known dimension, you will first need to determine how many MOA the target subtends or "spans". Position the spotting scope so that the known dimension of the target spans across the horizontal or vertical scale within the reticle.

To obtain the most precise results, estimate MOA measurements in 1/4 MOA increments. To assist in approximating fractions of an MOA, the line thickness of the reticle is approximately 1/15 MOA.

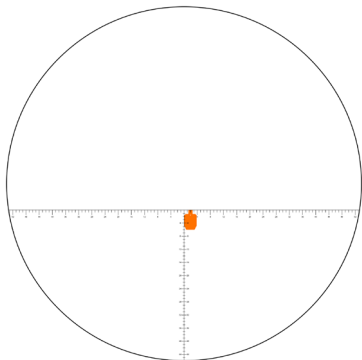
Ranging Example

Let's say that we are ranging a full size IPSC target. This target measures 18" wide by 30" tall.

On the reticle, we see that the target's 30" height subtends 6 MOA.

Using the ranging formula:

$$\frac{30 \times 95.5}{6 \text{ MOA}} = 477.5 \text{ Yards}$$

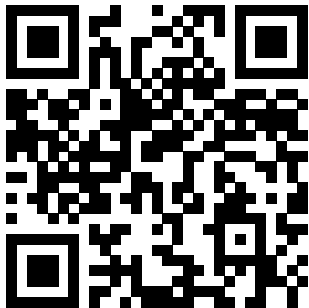


Technical Questions

If you have questions, feel free to contact us by phone at (888)445-8912 or by email at info@hi-luxoptics.com

We are continually adding new videos and tutorials to our YouTube and website.

Here is the link to the latest videos and Tutorials.



DiamondTuff Guarantee

Having issues with your scope? No worries, we offer a lifetime warranty on the Phenom UHD. We promise to repair or replace your scope.

Contact us at (888)445-8912 and get in touch with one of our service representatives.

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Note: The DiamondTuff Guarantee does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.



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