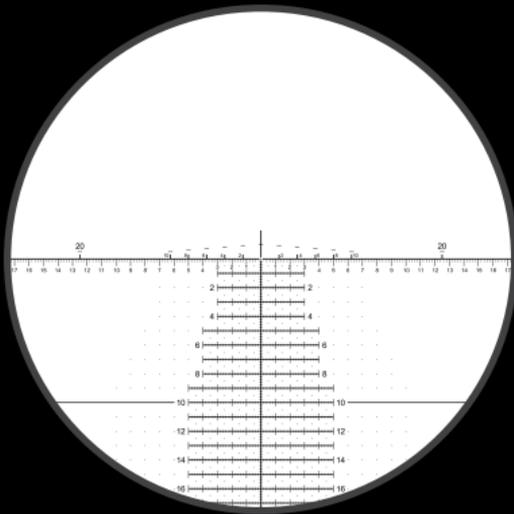




EOTECH®



vudu®

Horus® H59™

RETICLE

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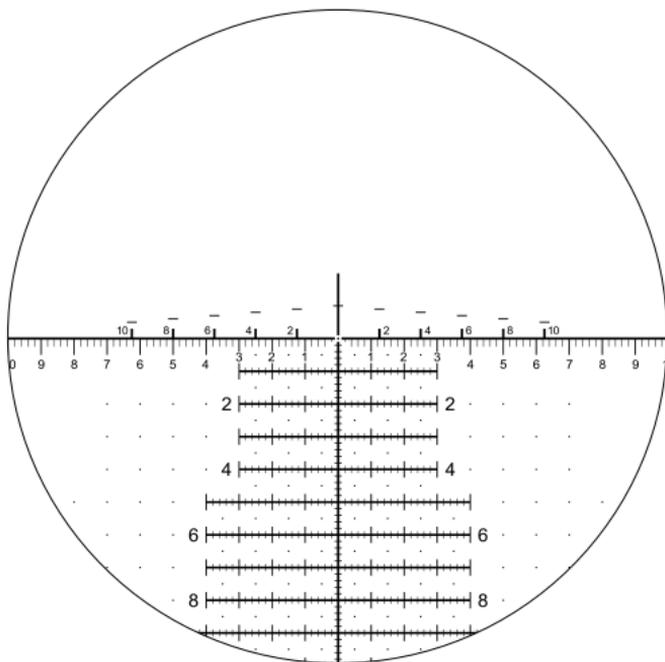
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Horus H59 Reticle

The Horus Grid lets you visually place the target on the appropriate horizontal and vertical grid lines to correct for elevation and windage. Combined with the Vudu First Focal Plane (FFP) riflescope, the Horus H59 reticle allows for fast target engagement at low to mid power, and excellent resolution to precisely engage longer-range targets at higher magnification.



H59 Reticle

First (Front) Focal Plane

First (or Front) Focal Plane riflescopes have the reticle installed at the front of the erector tube, forward of the magnification lens. When the magnification is increased, the reticle increases in proportion to the image you are viewing. As a result, the spacing between the actual reticle marks will always subtend the same distance at any magnification setting. This allows the shooter to quickly and accurately mil, hold over or hold off regardless of the magnification setting.

Grid System

The Horus H59 reticle is based on the milliradian, or MRAD (mil), angle of measurement. With a known target size, this system allows the shooter to use angle ratios to determine distance of target with reliable accuracy. One mrad subtends 10cm at 100 meters (3.6" at 100 yards). This system provides the shooter with reference points to determine distance to target, hold off for known distance, hold off for wind and moving targets without the need to adjust elevation or windage turrets. Though several factors determine the exact flight path of the projectile, with practice and some user supplied data, the Horus H59 Grid can be calibrated for any cartridge.

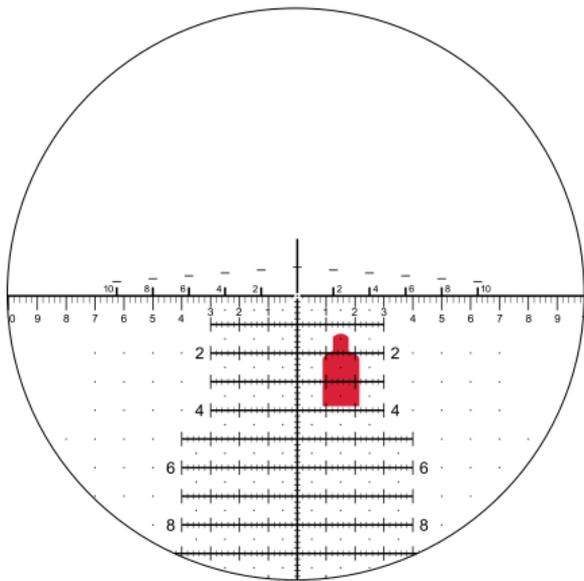
MRAD Ranging Formulas

$$\frac{\text{Target Size (in.)} \times 27.8}{\text{MRAD Reading}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size (cm)} \times 10}{\text{MRAD Reading}} = \text{Range (Meters)}$$

Ranging Example

You will first need to know the target size before using these formulas. Then, using either the horizontal or vertical crosshairs, place the reticle on target. Hold on the target long enough to make an accurate reading. The more accurate your reading, the better your range estimation will be. It is recommended to estimate to the nearest 0.1 MRAD if possible.



EXAMPLE

Ranging an E-type silhouette target (40" tall × 19.5" wide)

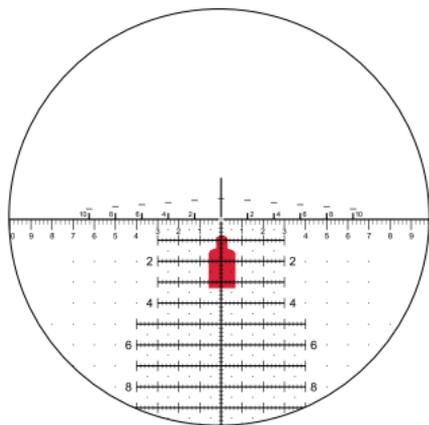
$$\frac{19.5 \text{ in.} \times 27.8}{1.2 \text{ MRAD's}} = 452 \text{ Yards}$$

Elevation Holdovers

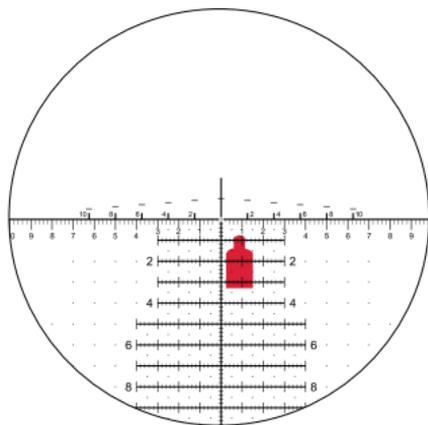
After the distance has been calculated using the reticle or laser rangefinder, the Horus H59 reticle can be used for holdover to compensate for bullet drop. EOTECH recommends shooters create and use a DOPE chart (Data On Previous Engagements) to quickly identify their bullet drop at a given range.

If the shooter prefers, the elevation dial can also be used to dial in your adjustment to compensate for bullet drop. When using the dial for elevation adjustment, always use the center of the crosshair.

Similar to the elevation holdover, the horizontal crosshair can be used to adjust for wind or moving target lead. Wind correction should be added to your DOPE chart for quick reference.



Elevation holdover



Windage holdover

Key Benefits

- Moving target holds for shots located on the main horizontal crosshair.
- Holdover dots to extend wind and elevation hold points beyond the Horus Grid while maintaining a clear uncluttered view
- The Horus Grid lets you visually place the target on the appropriate horizontal and vertical grid lines to visually correct for elevation and windage without turning knobs or counting clicks.
- Secondary horizontal lines allow precise elevation holds. The standard spacing between the secondary horizontal lines is 1 mil.
- To compensate for wind, spin drift and speed of target, each secondary horizontal stadia line is calibrated with “large hash marks” spaced 1 mil apart; between each of the large hash marks, there are smaller evenly spaced hash marks that are 0.2 mils apart.
- The Horus reticle facilitates the rifleman to make an accurate Second Shot Correction should he fail to dispatch the target with his first round.
- The H59 reticle features an illuminated reticle for twilight and lowlight conditions.

PRO TIP: *Additional information on the Horus H59 reticle available at horusvision.com.*

Service and Repair

- Visit the manufacturer's website at **eotechinc.com**.
- Navigate to the **Help Center** to complete the Return Authorization Request Form. EOTECH will provide detailed instructions on how to return your optic for repair.
- Contact EOTECH's Customer Service department by calling 888.EOTHOLO (888.368.4656) or submit a request online at **eotechinc.com**.

PRO TIP: *Do not ship the sight(s) without a Return Authorization number – this will severely delay the turnaround time on repair or replacement.*

Contact Information

For prompt, professional and friendly service contact EOTECH at:

888.EOTHOLO (888.368.4656)
eotechinc.com

Shipping Address

EOTECH
Warranty and Service Department
1201 E. Ellsworth Road
Ann Arbor, Michigan, 48108 USA
Reference RA#

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**Thank you for purchasing an
EOTECH Vudu rifle scope.**

VD1906 Rev B
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