

VORTEX

**RAZOR**<sup>HD</sup>  
RETICLE EYEPIECE

LONG EYE RELIEF | WIDE ANGLE

MRAD | 85MM | 22X

Rotate this ring to adjust the diopter setting.



Rotate this ring to fine tune the reticle orientation in uneven conditions.

### RAZOR® HD RANGING RETICLE EYEPIECE

The wide-angle nature of the Razor® HD Ranging Reticle eyepiece reveals a field of view that is wider than what you would see at the same magnification through the 20-60x zoom eyepiece and the fixed-power design offers the highest level of resolution. Vortex's ranging reticle provides precise target range estimation.

This MRAD-based Razor HD reticle can be used to estimate distances (see back) as well as to call shots and provide rapid MRAD corrections for stray shots. It will be most useful when used in conjunction with MRAD-based riflescopes.

## RANGING WITH THE MRAD RETICLE

MRAD measurements are very effective for ranging using simple formulas—knowing the size of the target or nearby object is essential.

$$\frac{\text{Target Size in Yards} \times 1000}{\text{Measured MRADs}} = \text{Range (Yards)}$$

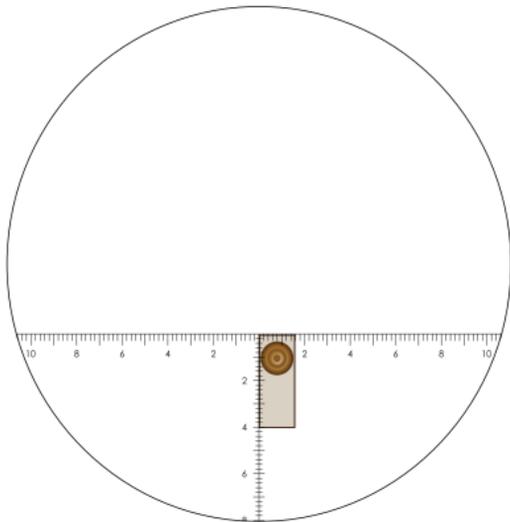
$$\frac{\text{Target Size in Inches} \times 27.8}{\text{Measured MRADs}} = \text{Range (Yards)}$$

$$\frac{\text{Target Size in Meters} \times 1000}{\text{Measured MRADs}} = \text{Range (Meters)}$$

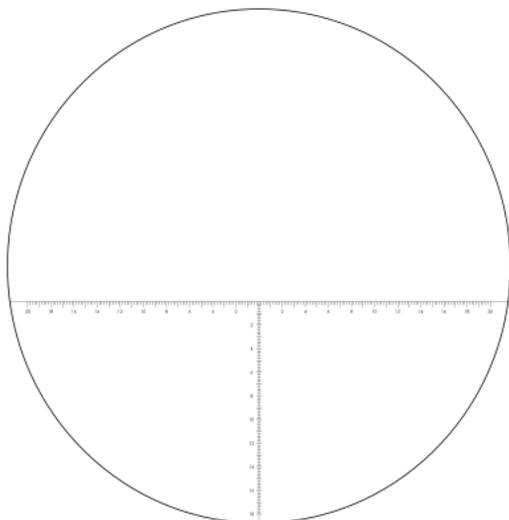
Be sure reticle is in focus before ranging. Using either the vertical or horizontal MRAD scale, place the reticle on the object of known dimension and read the number of MRADs spanned. Obtain maximum accuracy in ranging by calculating exact MRAD measurements. Estimate MRAD measurement in 1/10s if possible.

**Example:** Ranging a 6-foot target (2 yards) at 4 MRADs yields 500 yards.

$$\frac{2 \times 1000}{4 \text{ MRADs}} = 500 \text{ Yards}$$



Accurate measuring will depend on a very steady hold—be sure to use a high quality tripod. Once you have an accurate MRAD reading, use the formula to calculate the distance.



MRAD Reticle



## VIP WARRANTY

OUR UNCONDITIONAL PROMISE TO YOU.

We promise to repair or replace the product. Absolutely free.

- ▶ **Unlimited**
- ▶ **Unconditional**
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*Note: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.*

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