



VORTEX® *SOLO R/T*

TACTICAL MONOCULAR



SOLO R/T

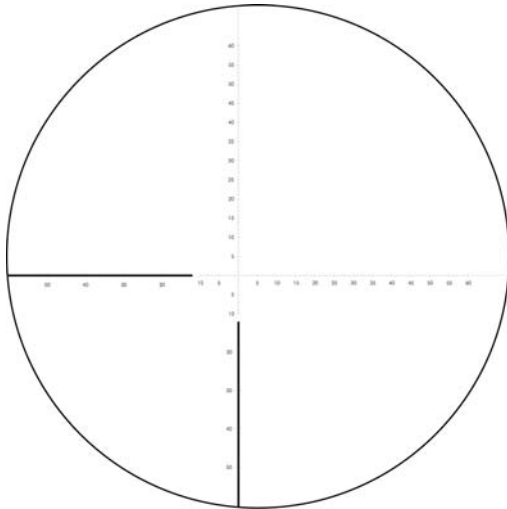
TACTICAL MONOCULAR

The 36mm Solo® R/T Tactical monocular delivers bright images, is compact, easy to handle, and designed for hard use.

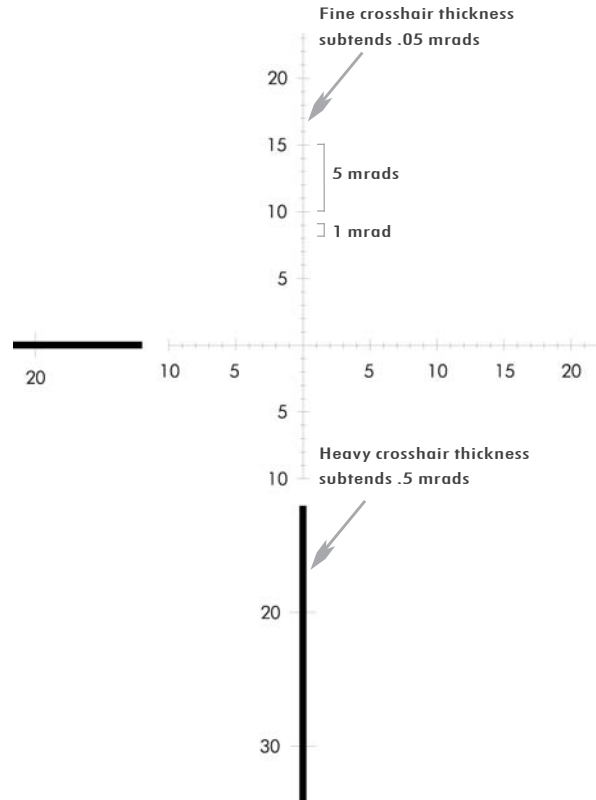


Using the Solo R/T Reticle

The Solo R/T reticle is based on a form of angular measurement called the milliradian (mrad for short). These angular measurements allow a user to calculate ranges when comparing the reticle to objects of known dimension. The key to effective ranging using this reticle is knowing common objects in your vicinity and their measurements.



Subtensions



Ranging with mrad

Mrad measurements are very effective for ranging using simple formulas. Knowing the size of the target or a nearby object is essential to using these formulas.

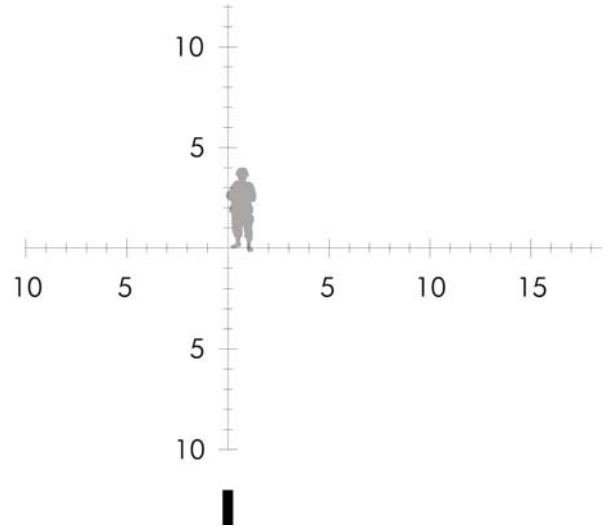
$$\frac{\text{Target Size (Yards)} \times 1000}{\text{Measured mrad}} = \text{Range (Yards)}$$

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

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

Using either the vertical or horizontal mrad scale, place the reticle on the target of known dimension and read the number of mrad spanned. Obtain maximum accuracy in ranging by calculating exact mrad measurements—try to estimate mrad measurement in 1/10s if possible.

Accurate measuring will depend on a very steady hold. Be sure to solidly brace the arms when measuring or use a tripod mount for maximum accuracy. Once you have an accurate mrad reading, use one of the formulas to calculate the distance.



Ranging a 6-foot man (2 yards) at 4 mrad yields 500 yards.

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

Basic Operation

Adjusting the Image Focus

Use the main focus wheel on the eyepiece to obtain crisp, sharp images of objects at varying distances. Designed for quick single-handed operation, simply place the thumb and forefinger on the focus wheel and turn to move lens forward or backward until the image is as sharp as possible.



Rotate to focus image

Adjusting the Eyecup

The heavy duty flared rubber eyecup on the Solo R/T monocular folds up and down to accommodate both eyeglass wearers and non-eyeglass wearers.

- The Solo R/T features a flared eyecup that blocks stray light when fully extended.
- Fold the eyecup down when viewing with eyeglasses.



Accessories

The Lanyard

Attach to the Solo R/T monocular in a few simple steps:

1. Detach clip from the lanyard.
2. Push the loop end through the attachment point on the monocular.
3. Pull the clip through the loop and cinch tight.
4. Re-attach clip to lanyard.



The MOLLE Clip

The versatile MOLLE clip allows quick attachment of the Solo R/T monocular to MOLLE webbing, a pocket edge or other equipment.

The Case

The soft case of the Solo comes with a belt loop attachment for an easy carry in the field and provides protection for the monocular when not in use.



Slip the belt loop of the Solo R/T over a belt for an easy carry.

Note:

Monoculars are not intended for looking at the sun or any other intense light source. Such viewing could damage the retina and cornea of your eyes—even to the point of causing blindness.



Caring for the Lenses

Maintain the optical brilliance of the Solo R/T monocular by keeping the lens surfaces free of dirt, dust, and oils.

Protect Lenses While Out in the Field.

When not viewing, store the Solo R/T monocular in its custom carry case.

Keep Lenses Clean

Needing to clean optical lenses is part of normal use. Follow these guidelines for cleaning:

1. Remove any dust or grit from lenses before wiping. Use a Vortex Lens Pen, a can of pressurized air, or soft camel hair brush (acrylic optical brushes also work well).
2. Clear lens of smudges, fingerprints, or eyelash oil. Fog the lenses with your own breath and wipe with the non-abrasive lens cloth included with the Solo monocular.

Other cleaning options:

Vortex Fog-Free Lens cleaning systems include cleaning fluid and optical paper for proper care of optical lenses. *You should never use facial tissue, heavy cotton, or flannel clothing on lenses—these materials can scratch the lens surfaces.*

Vortex Service and Repair Policy

Vortex Optics wants you to use your Solo monocular under any conditions with complete confidence—that's why our warranty is straightforward and simple:

- Fully transferable
- No warranty card needed
- No receipt needed



**Unconditional Lifetime
Warranty**

Rest assured, if this monocular should ever require repair, all you need to do is contact Vortex for absolutely free service. Call 800-426-0048 or e-mail service@vortexoptics.com.

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Patent Pending