VORTEX

THE FORCE OF OPTICS®

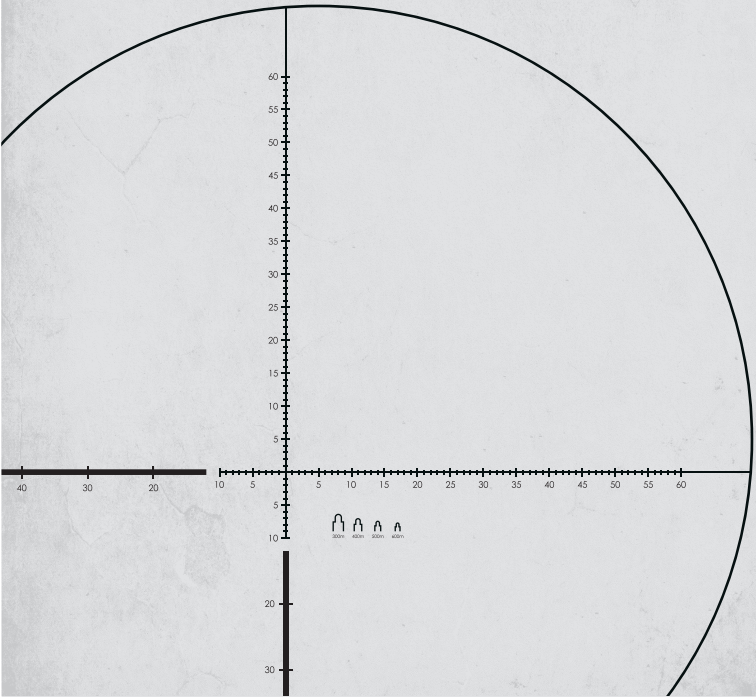
SOLO® R/T

TACTICAL MONOCULAR

VORTEX® OPTICS

MANUAL

36 mm Model



US Patent 7,877,886

The Vortex® Solo® Tactical R/T Monocular

The 36mm Solo® Tactical R/T monocular delivers bright images, is compact, and easy to handle. Built to withstand use in just about any field condition, o-ring seals and nitrogen purging make the Solo a fully waterproof, internally fogproof monocular.

Caution:

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.

Basic Operation

Attaching the Lanyard

Attach lanyard 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 the clip to lanyard.

Adjusting the Focus

Designed for quick single-handed operation, simply place the thumb and forefinger on the focus wheel and turn to move lens forward or backward.

- Top focus wheel adjusts the reticle.
- Bottom focus wheel adjusts the image.

Adjusting the Eyecup

The heavy duty flared rubber eyecup on the Solo Tactical R/T monocular folds up and down for optimal viewing with or without eyeglasses.

Adjustable flared eyecup

- Flared eyecup blocks stray light when fully extended.
- Eyecup folds down for viewing with eyeglasses.

Accessories

The Utility Clip

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

The Storage Case

The soft case slips off for an easy carry in the field and provides protection for the monocular when not in use.

Caring for the Lenses

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

Protect Lenses While Out in the Field

Store the Solo R/T in its custom carry case.

Keep Lenses Clean

Along with normal use comes the need to clean the monocular lenses. Follow these guidelines for cleaning:

1. Remove any dust or grit from lenses before wiping. Use a can of pressurized air or soft camel hair brush (acrylic optical brushes also work well).

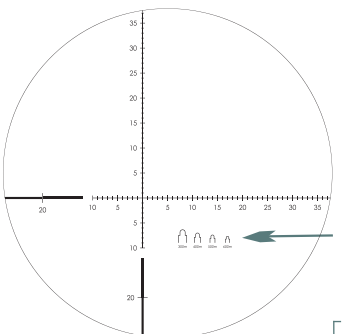
2. Clear lens of smudges, fingerprints, or eyelash oil. Fog the lenses with your own breath and wipe with the non-abrasive lens cloth included with the Solo monocular.

Other cleaning options:

Cleaning fluid and optical paper can also be used. However, you should never use facial tissue, heavy cotton, or flannel clothing on lenses—these materials can scratch the lens surfaces.

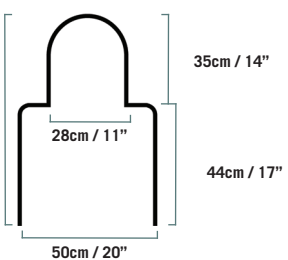
Using the R/T Ranging Reticle

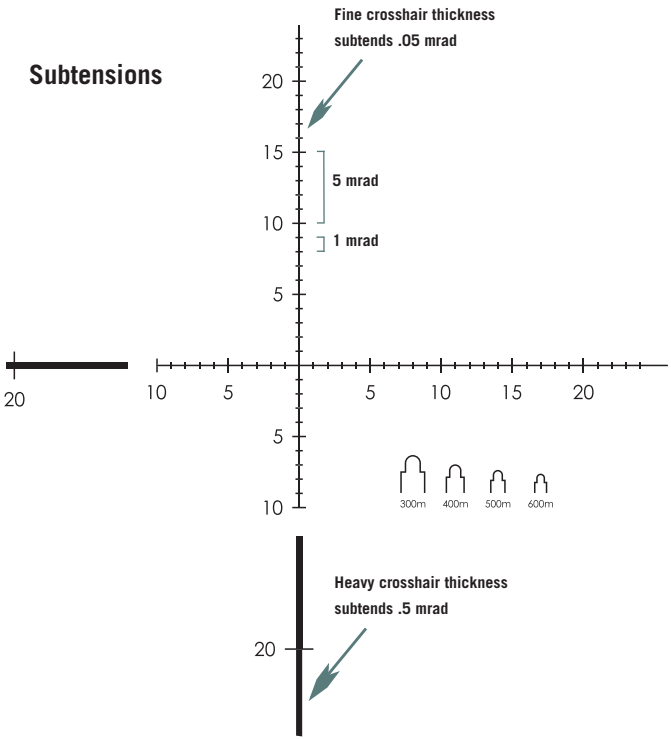
The R/T ranging reticle is based on a form of angular measurement called the milliradian (mrad for short). These angular measurements allow a user to calculate ranges when comparing the reticle to objects of known dimension. The key to effective ranging using this reticle is knowing common objects in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



The R/T reticle uses a system that is based on a silhouette for quick ranging.

All silhouette dimensions are accurate at the listed ranges.





Ranging with mrads

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.

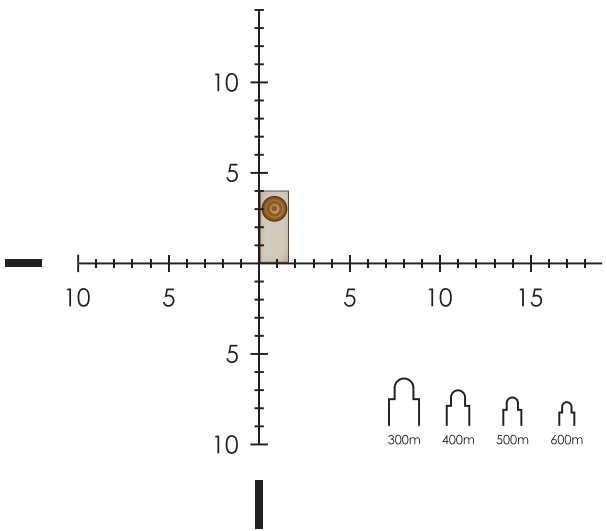
$$\frac{\text{Target Size (Yards)} \times 1000}{\text{Measured mrads}} = \text{Range (Yards)}$$

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

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

Using either the vertical or horizontal mrad scale, place the reticle on the target of known dimension and read the number of mrads 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 target (2 yards) at 4 mrads yields 500 yards.

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

The VIP Warranty

We build optics based on our commitment to your absolute satisfaction. That's why Vortex products are unconditionally guaranteed and we make this Very Important Promise to you—a Very Important Person.

Rest assured that in the event your Solo monocular becomes damaged or defective, Vortex Optics will repair or replace the monocular at no charge to you. Call Vortex Optics at 800-426-0048 for prompt, professional, and friendly service.

VIP WARRANTY
UNLIMITED UNCONDITIONAL
Lifetime Warranty

Vortex Optics
2120 West Greenview Drive
Middleton, WI 53562
service@vortexoptics.com

Visit ***www.vortexoptics.com*** for more information. Canadian customers may visit ***www.vortexcanada.net*** for customer service information.

Note: The VIP warranty does not cover theft, loss, or deliberate damage to the product.

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