

RUDOLPH

"WHEN **ACCURACY** MATTERS"

Riflescope Instructions

Thank you for choosing Rudolph Optics riflescopes and we wish you much enjoyment and success with your new riflescope. Your new riflescope is the finest example of top quality precision engineering with extreme reliability and a long life. Your Rudolph Optics riflescope is equipped with outstanding optics which delivers a clear, bright image, even under difficult conditions, ensuring a reliable aim at all times. Our dedication to craftsmanship and fine quality, ensure that every optic meets our high standard, so that you may enjoy complete confidence every time you use it.

Caution

- 1) Do not look at the sun through the riflescope. It will permanently damage your eye.
- 2) The riflescope is effectively sealed against moisture and dust. You may use your scope safely either in the rain or in dusty climates. The riflescope contains nitrogen gas for waterproofing and fog proofing, therefore never try to take the scope apart or clean it internally. Use a soft cloth for cleaning metal surfaces and use photographic lens tissue to clean the scope's lenses.



A - Objective B - Illumination C - Elevation Adjustment
D - Windage Adjustment E - Power Ring F - Speed Focus

Focusing

The eyepiece lens assembly is adjustable to accommodate a large range of focus correction. Look through the eyepiece with your eye positioned about 10cm (4 inches) away from the eyepiece lens. Be sure your eye is positioned within proper alignment and proper eye relief, otherwise the view will "black out". If the reticle is not clear turn the eyepiece to the left or right until the reticle appears the sharpest.

Mounting

The most important prerequisite for maintaining a consistent point of impact is correct mounting of the riflescope on the rifle. We recommend that you use only high-quality components from well-known manufacturers, components which will do justice to the high-quality of your Rudolph Optics riflescope. Be sure to have enough eye relief (distance between your eye and the eyepiece lens) and then tighten the ring clamping screws firmly.

Zeroing

Since zeroing involves actual shooting of live rounds, it should be done at an approved shooting range. Place your rifle on the bench-rest and turn the power ring of the scope to the highest magnification. From a steady rest position, fire three rounds at a 100 meters. Observe the bullet strike on the target and adjust windage and elevation screws to position the reticle on the center of the target. Each click of adjustment changes the point of impact by 0.1 Mill (Milliradian, about 10mm at 100 meters).

Parallax Correction

To be parallax free, the target image must be focused onto the reticle. This condition can be met only at the range for which the scope is focussed. Targets that are either nearer or further away will cause parallax, which is seen as apparent movement of the reticle against the target. The small amount of parallax exhibited in general purpose hunting scopes and at normal hunting ranges is insufficient to be of concern. For precision shooting, parallax is not tolerable and can be eliminated at all ranges with the adjustable focusing wheel. Rotate the focusing wheel to the position where the reticle and the target are the sharpest.

Resetting Adjustment Scale Ring

You may realign the zero mark on the adjustment scale rings after zero-in under the following steps.

- 1) Using a screwdriver, loosen the screws set on top of the Windage and Elevation turrets. Be sure not to disturb your zero when loosening the screws.
- 2) Pull up the loosened adjustment scale ring and turn freely to align "0" with the index line.
- 3) Retighten the screws on the turrets. Now your scope is set for the basic zero-in position at the "0" mark with the index line.

How to use the AR1 Reticle

Your scope is installed with the **AR1 FFP** (Front Focal Plane) reticle design, which allows accurate computation of distances at any magnification. It also provides both trajectory and windage reference points. The AR1 front focal plane reticle design allows the reticle size to increase or decrease as magnification is increased or decreased. Trajectory compensation is always correct and proportional for the selected power setting. All dimensions of the AR1 reticle are in MILL (Milliradian).

Full Lifetime Guarantee

Service for your Rudolph Optics product is guaranteed to be available for a lifetime after its original delivery. During the first 5 years, that service is free of charge if the problem is due to material or manufacturing defects. If at any time during the guarantee period a Rudolph Optics product is found to have a defect in material or workmanship, Rudolph Optics will, at our discretion, repair or replace it free of charge. The guarantee is void if damage results from unauthorized repair, alteration, abuse or misuse. The guarantee is transferable and we do not require a registration card to be completed, we only require a copy of the original receipt, which must be from an authorized Rudolph Optics dealer. Please be sure when transferring the product to another user that a copy of the receipt is also transferred. Rudolph Optics reserves the right to replace any product, which has been discontinued from its product line with a new product of comparable value and function. This guarantee shall be void if and no force of effect if an Rudolph Optics guarantee inspector has determined the Rudolph Optics product has been abused, misused, mishandled or tampered with in anyway whatsoever. No implied guarantee of this product is extended. All product repairs are handled at our factory and under the factory's control.

Important:

Shipping charges to Rudolph Optics should be prepaid by the owner. Please keep tracking records for the shipment. Rudolph Optics can't be responsible for your product until we physically receive it. Rudolph Optics pays for shipping back to you.

For our guarantee service the consumer should send the Rudolph Optics product to:

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