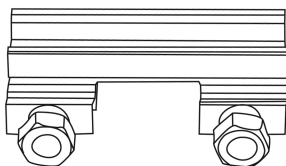
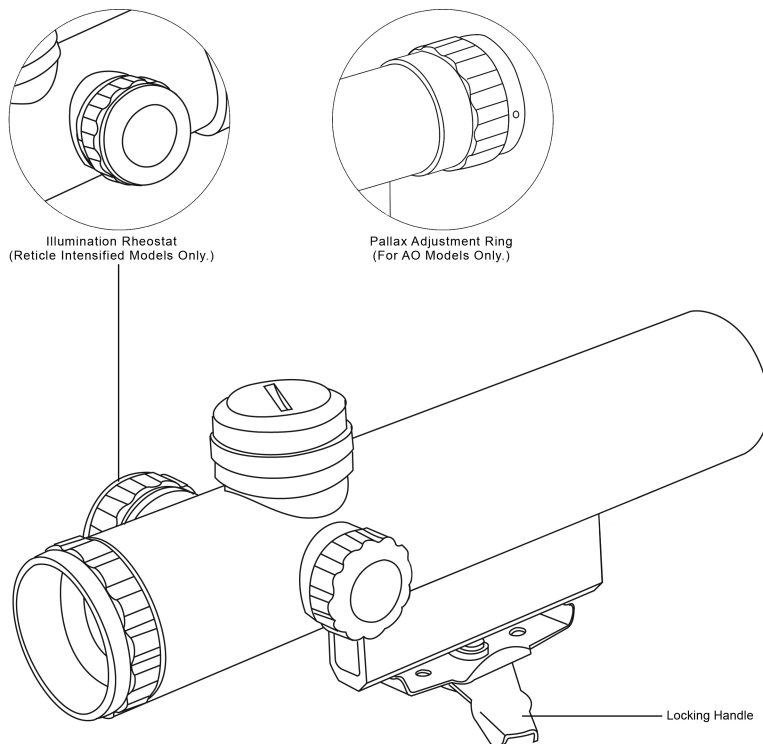


RANGE ESTIMATING / RETICLE INTENSIFIED SCOPE

WITH BULLET DROP COMPENSATION



Flat Top Adaptor
(Optional)

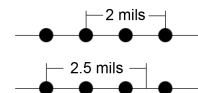
Major Features:

- **Rugged One Piece Tube Construction for All Terrains/Weather**
 - Precision machined to exact tolerances from aircraft-grade aluminum alloy.
 - Completely sealed and nitrogen filled to stop moisture ingress.
 - Perfect for all terrains and all weather conditions.
- **Precise Windage and Elevation Adjustment Offers Positive and Precise 1/4 MOA Adjustment for Accurate and Consistent Shooting**
- **Multi Lens Coating for Optimum Light Transmission**
 - Unique high tech coatings applied to lens elements ensure much better light transmission to optimize optical performance.
- **Wide Field of View with Tactical Mil-Dot Reticle (For Range Estimating Models Only)**
 - Wide field of view and edge to edge lens clarity allow for clearly picking up quarry on the peripheral edge of the sight picture.
 - Precise Tactical Mil-Dot reticle allows the shooter to estimate ranges and enhance accuracy.
- **High Quality Precision Machined Parts**
 - Guarantees smooth and accurate operation, and deliver consistent and reliable performance.
- **Illuminated Reticle with Red or Red/Green Dual Illumination (For Reticle Intensified Models Only)**
 - Adjustable intensity of the illuminated reticle offers optimum reticle clarity in variable light conditions, and increase accuracy in daylight and twilight environments.

A. Range Estimating (For Range Estimating Models Only):

Regular mil-dot reticle found on the market usually has 4 dots on each direction of the cross hair, giving you 9 different aiming points for either windage or elevation. If you count the 2 inner tips of the opposite duplex cross hairs, you get 11 aiming points. Our own 24 Mil-Dot Reticle (TRE) has 6 dots on each direction of the cross hair, giving you 13 aiming points or 15 including the inner tips of the duplex cross hairs.

- Range estimating requires common knowledge/experience about your target's actual width or height.
- 1 mil in a scope reticle is the distance from the center of one dot to the center of the next dot.
- Set your magnification at the defined power for your scope. View the target through the scope. Place the center of the dot against one edge of the target and measure to the opposite edge of the target.
- Once the target has been measured in mils, depending on the scope model, a formula is available to estimate the distance of the target. An example formula is:



$$\frac{\text{Height or Width of Target in Meters} \times 100}{\text{Height or Width of Target in Mils.}} \times \frac{\text{Magnification}}{10} = \text{Range in Meters (1M = 1.0936 Yards)}$$

- For accurate range estimating the size of the target must be known.
- Each model comes with its own formula and a pre-calculated mil-dot table of most used distance estimates to aid the user.

B. Mounting the Scope:

CAUTION: Always ensure your rifle is UNLOADED, UNCOCKED and, where fitted, the safety catch is applied before fitting the scope. Practice safe handling procedures at all times.

Your scope comes with all the hardware necessary to attach it to your AR-15 rifle with carry handle. Some models include the optional flat top adaptor to be used on AR15 rifle with flat top weaver rail.

1. **AR-15 Rifle with Carry Handle:** The scope is mounted to the handle with the integral mount base and the Locking Handle. To attach the scope to the carry handle, follow the instructions below:

- 1) Separate the Locking Handle from the mount base of the scope.
- 2) Place the integral mount base of the scope into the carry handle of your rifle, ensuring the bolt fits through the hole in the carry handle.
- 3) Re-attach the Locking Handle to the bolt from the underside of the carry handle. Tighten the Locking Handle securely.
- 4) The scope is now ready to be zeroed.



2. **AR-15 Rifle with Flat Top Weaver Rail (For Models with Flat Top Adaptor Only)**

- 1) Separate the Locking Handle from the mount base of the scope.
- 2) Place the integral mount base of the scope into the Flat Top Adaptor, ensuring the bolt fits through the hole in the adaptor.
- 3) Replace and tighten the Locking Handle to fully secure the scope.
- 4) Place the scope together with the adaptor onto the flap top Picatinny rail of the rifle.
- 5) Adjust the scope to the proper position for ideal eye relief.
- 6) Tighten the screw on the locking plate to fully secure the Flat Top Adaptor.
- 7) The scope is now ready to be zeroed.



C. Zeroing the Scope:

The purpose of zeroing the scope is to ensure that the scope is aligned with the impact point of the pellet or bullet from the rifle.

1. Place a target 100 yards away. Set the bullet-drop-compensator knob (located on top of the scope) at position "1".
2. Ideally use a steadying device such as a bipod or shooting stand, set the scope at the highest magnification, aim at the center of the target and fire a test shot, if safe to do so.
3. If the impact point of the pellet or bullet is exactly in the center of the target then the scope is zeroed. If it is not, you will need to adjust the reticle using the elevation and / windage adjusters as follows:

Adjuster Example
(Appearance may vary.)



- Vertical Adjustment (Elevation) - Unscrew the protective cover on the top of the scope. Use a coin or a Phillips driver to turn the adjuster as required. One click in either
- 2) direction equals approximately 1/4 inch at 100 yards. Re-attach and tighten the protective cover.
- Horizontal Adjustment (Windage) - Unscrew the protective cover on the right side of the scope. Use a coin or a Phillips driver to rotate the adjuster as required. One click in either direction equals approximately 1/4 inch at 100 yards. Re-attach and tighten the protective cover.
4. Having adjusted the windage and elevation as required, fire, if safe to do so, another test shot. Keep adjusting and test firing until the test shot impacts on the center of the target when the reticle is on the center of the target. This can seem a tedious process but is vital for accurate shooting.

Bullet Drop Compensator (BDC):

Once the scope has been zeroed to 100 yards, you can quickly adjust it for shooting up to 500 yards by rotating the bullet-drop-compensator knob located on top of the scope. Select 1 for shooting at 100 yards, 2 for 200 yards, 3 for 300 yards and so on.

Note: Each click of adjustment moves the impact point by the amount shown in the table below:

Inches of Movement per Click in Windage/Elevation Models with 1/4 in. Per Click @ 100 Yards				
25yds	35yds	50yds	100yds	200yds
1/16	7/80	1/8	1/4	1/2

D. Adjusting Parallax and Focus:

1. Aim the scope at your target. Adjust the eyepiece until both the crosshair and the target are in sharpest focus.
2. For AO models only - Rotate the AO ring to the desired distance setting until the target is in the sharpest focus and the center of the crosshair stays on the target while you examine the image by slightly moving your head.



Note: Different individuals will have different eye focus which will result in different diopter setting. A person will use different diopter settings with or without eye glasses.

E. Adjusting Reticle Illumination: (For Reticle Intensified Models Only)

Turn the illumination adjustment control to adjust the intensity of illumination. The battery (included with the scope) is a coin style lithium battery. When replacing battery, insert, with the positive (+) side facing the cap, into the battery compartment.



(Location of the rheostat may vary.)

F. Care and Maintenance:

1. Take care not to drop or knock the scope once it is zeroed.
2. Keep the protective lens covers in place when the scope is not being used.
3. Maintain the metal surface of the scope by removing any dirt or sand with a soft brush so as to avoid scratching the finish.
4. Wipe the lens with a clean flannel cloth to keep it clean and dry. In order to avoid scratching the glass, ensure both the lens and cloth are clean. Do not use finger or finger nail to touch/clean lenses.
5. Store the scope in a cool dry place when not in use. Be careful to avoid contact with acid, alkaline or corrosive chemicals.
6. Do not attempt to lubricate any part of the scope.
7. Do not disassemble the scope. Do not loosen or remove screws or parts. Any such or similar actions will void the warranty.

CAUTION: Viewing the sun can cause serious eye injury. Never look directly into the sun with this or any scope.