



WWW.ARKENOPTICSUSA.COM



EPL-4 OWNER'S MANUAL

➤ 6-24X50

➤ 4-16X44

WWW.ARKENOPTICSUSA.COM

EPL-Extreme Precision Light:

Our mission to combine quality, performance and precision at a tremendous value continues. The EPL (EP Light) is our Light Weight Hunter version of the EP (Extreme Precision) series. This refined Hunter is built on a streamline 30mm main tube to reduce overall weight. Our Japanese ELD glass (Extraordinary Low Dispersion) and VHR (Variable Hunter Reticle) combine to provide astonishing optical performance making this a pleasure for users of all skill levels and disciplines. Typical use: hunter, long range, general purpose. All skill levels.

SPECIFICATIONS:

6-24x50

Magnification : 6-24
Objective Diameter : 50 mm
Eye Relief : 3.5 inches
Field of View : 18.55 - 4.65 ft @ 100 Yards
Tube Size : 30 mm
Turret Adjustment : 0.1 MRAD / 0.25 MOA
Reticle Position : First Focal Plane
Reticle Details : VHR MIL / VHR MOA
Zero Stop : AZS Zero Stop System
Zero Reset : Yes
Elevation Adj. Range : 20 MRAD / 68 MOA
Windage Adj. Range : 12 MRAD / 41 MOA
Elevation Adj. / rev : 8 MRAD / 20 MOA
Windage Adj. / rev : 6 MRAD / 15 MOA
Parallax Adjustments : 10Yds-Infinity
Illuminated Reticle : Red
Turret Rotation : CCW
Length : 13.8 inches
Weight : 24.71 oz

4-16x44

Magnification : 4-16
Objective Diameter : 44 mm
Eye Relief : 3.6 inches
Field of View : 30-7.5 ft @ 100 Yards
Tube Size : 30 mm
Turret Adjustment : 0.1 MRAD / 0.25 MOA
Reticle Position : First Focal Plane
Reticle Details : VHR MIL / VHR MOA
Zero Stop : AZS Zero Stop System
Zero Reset : Yes
Elevation Adj. Range : 25 MRAD / 86 MOA
Windage Adj. Range : 12 MRAD / 41 MOA
Elevation Adj. / rev : 8 MRAD / 20 MOA
Windage Adj. / rev : 6 MRAD / 15 MOA
Parallax Adjustments : 10Yds-Infinity
Illuminated Reticle : Red
Turret Rotation : CCW
Length : 13.2 inches
Weight : 24.11 oz

The Subtension Scale: MIL or MOA:

Depending on which version you have purchased, your SH-4 rifle scope will feature elevation/windage adjustments and reticles scaled in either **MOA** or **MRAD (MIL)**. If you are unsure of which scale you have, reference the top of the elevation turret. Both unit of arc scales are effective at ranging and/or adjusting for bullet trajectory. **For best results, the user must understand either system being employed. We recommend understanding both.**

MRAD (Milliradian): 1/1000th of 1 radian of arc

1 MIL = 3.438 MOA

1 MIL = 3.599 inches @ 100 yards

1/10 MIL = 0.359 inches @ 100 yards

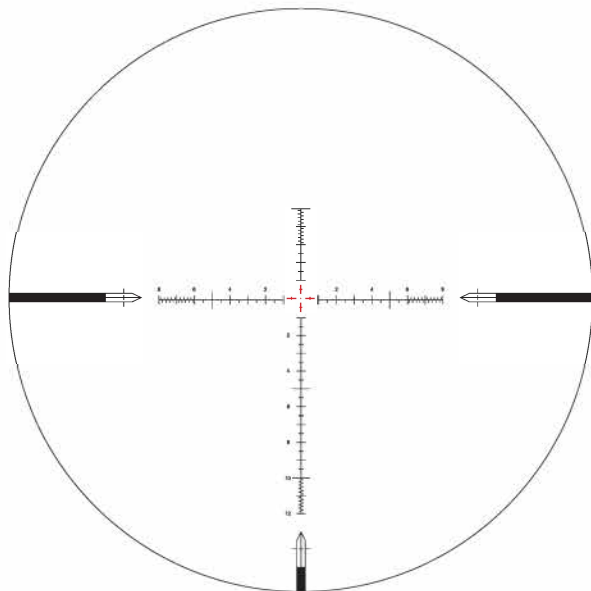
MRAD							
100 yd	200 yd	300 yd	400 yd	500 yd	600 yd	700 yd	800 yd
3.6"	7.2"	10.8"	14.4"	18"	21.6"	25.2"	28.8"

MOA (Minute of Angle): 1/60th of 1 degree of arc

1 MOA = 1.047 inches @ 100 yards

¼ MOA = 0.261 @ 100 yards.

MOA							
100 yd	200 yd	300 yd	400 yd	500 yd	600 yd	700 yd	800 yd
1"	2"	3"	4"	5"	6"	7"	8"



Reticle Focus Adjustment:

To adjust reticle focus, **rotate** the **Reticle Focus Ring** while looking at an unobstructed background. The eye will continually refocus, so this should be done in short bursts. Look away between each adjustment. The reticle should be sharp and should not appear to move with small head adjustments. Once properly set, the eye should not have to work to get the reticle in focus.

Parallax Adjustment:

To eliminate parallax, **rotate** the **Parallax Adjustment Turret**. Proper adjustment will eliminate all reticle movement within the eye box.

Variable Power Adjustment:

To obtain the desired magnification, **rotate** the **Magnification Ring** so that the indicator on the Ring corresponds with the magnification power level on the ocular housing.



Arken Zero Stop (AZS) & Turret Alignment

The Arken Zero Stop (AZS) allows the shooter to quickly and consistently return the elevation turret back to the sight in distance (or zero). Please use the 2mm Allen wrench to loosen the AZS Set Screw on the elevation turret and raise the AZS Zero Stop.

Elevation:

1. 'Slip' Elevation turret:

Hold the turret in place to ensure the turret does not move during this process. Please use the 2mm allen wrench to loosen the THREE turret cap retaining screws on the SIDE of the turret. This will allow the turret to spin freely without rotating the internal components of the turret.

2. Set Turret to Zero "0" :

Rotate the turret cap to align the "0" indicator mark of the turret cap with the indicator mark on the scope tube. Carefully, tighten the THREE retaining screws on the SIDE of the elevation turret cap.

3. Set the AZS (Arken Zero Stop)

Rotate the turret UP 2 clicks. Gently, turn the AZS located on TOP of the elevation turret clockwise to lower until you feel the AZS bottom out. Then, loosen the AZS a quarter turn to alleviate any tension. Finally, tighten the AZS Set Screw against the AZS.

4. Rotate the turret back to Zero "0".

AZS IS SET. You should have a firm stop that allows you to consistently return to zero.





Windage:

- 1. 'Slip' Windage Turret:**
Unscrew Windage cap.
- 2. Unscrew Toolless Windage *Retention System*:**
Hold the turret in place to ensure the turret does not move during this process.
- 3. Set Turret to Zero "0":**
Slide off the numbered cap. Rotate/align the "0" indicator mark of the numbered cap with the indicator mark on the scope tube and slide back on the main body.
- 4. Screw in Toolless Windage *Retention System* finger tight:**
Hold the turret in place to ensure the turret does not move during this process.
- 5. Replace Windage cap.**

