

W W U L F F

LIGHTNING **30** SERIES  
MANUAL

RESEARCH | DEVELOPMENT | PRECISION

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## OVERVIEW

Joining the WULF Lightning Series is the WULF Lightning **30** 4-16x50 and 6-24x50 MOA Rifle Scopes.

These 30mm Rifle Scopes offer superb value for money optics, features and reliability. These are the ideal scopes for entry-level shooters who are looking for a feature-rich scope for their Rimfire, Air Rifle or Centerfire.

Some of the highlight features include an illuminated SFP reticle, 30mm tube, side focus, locking turrets and matching MOA reticle and click value.

As with all WULF Rifle Scopes, this fantastic series is covered by our Titanium Lifetime Warranty.



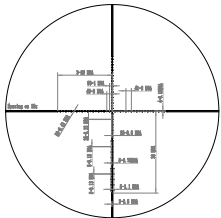
Model	4-16x50	6-24x50
Mode Type	SF SIR	SF SIR
Focal Plane	SFP	SFP
Magnification	4x-16x	6x-24x
Scope Tube Diameter	30mm	30mm
Lens Coating	Wide band & multi coated Green lense	Wide band & multi coated Green lense
Reticle Type (Etched / Wire)	Wire Reticle	Wire Reticle
Reticle Name	1/4 MOA Wire	1/8 MOA Wire
Ocular Lens Diameter	36mm	36mm
Objective Lens Diameter	50mm	50mm
Exterior Finish	Black Matte	Black Matte
Mounting Length	150mm(5.91in)	155.6mm(6.1in)
Objective/Field of View/(ft/100 yds / m/100 m)	4.7—1.2°/8.2-2.1	3—0.76°/5.3-1.3
Exit Pupil	12.66--3.07mm	8.42--2mm
Eye Relief	103.4—90.4	109.9—90.8mm
Diopter Adjustment	- 2.0 / + 2.0	- 2.0 / + 2.0

Model	4-16x50	6-24x50
Max. elevation/windage adjustment range (MOA)	80MOA	60MOA
Parallax type	Side Parallax	Side Parallax
Parallax correction(yds)	10yds-∞	10yds-∞
Turret Type	Lock&zero reset	Lock&zero reset
Turret Click Value	1/4 MOA per Click	1/8 MOA per Click
Illumination Type	RG	RG
Illumination Scales	11 scales for Red	11 scales for Red
Battery	CR2032	CR2032
Length(mm)	13.9in(354mm)	14.4in(366.5mm)
Sunshade Thread	M56X0.75	M56X0.75
Waterproof	YES	YES
Nitrogen Filling	YES	YES
Working Temperature	-20 °C / +55 °C	-20 °C / +55 °C
Storage Temperature	-20 °C / +55 °C	-30 °C / +70 °C

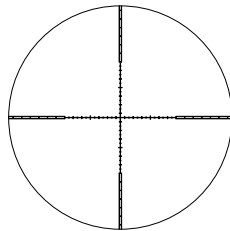
## WHAT'S IN THE BOX

- WULF Lightning 30 6-24x50 Rifle Scope
- Flip-Up covers
- Picatinny or Dovetail 11mm Scope Rings
- Cleaning Cloth
- Manual

## RETICLES



4-16x50 MOA



6-24x50 MOA

## MOUNTING THE RIFLE SCOPE

Ensure you check that the diameter of the rifle scope body tube matches the diameter of the rifle scope rings that you wish to use. The WULF Lightning 30 Series have a 30mm monotube chassis.

- Fix the rings to the rifle base - do not tighten fully.
- Next, remove the ring tops and gently lay the rifle scope into the rings. The rifle scope should be mounted as low as possible as to not touch the barrel, rear sight, or the receiver.
- Prior to tightening the rings, take a look through the rifle scope in your normal shooting position and adjust the rifle scope until you find the furthest point forward that allows you to see a full field of view.
- Turn the rifle scope in the rings until the reticle is in the upright position and the elevation turret is on top.

- Continue to tighten the base screws evenly, securing the mounts to the rifle base and tighten the ring top screws evenly on each side.

Please ensure you do not over tighten the rings. This can damage the rifle scope affecting performance or rendering it inoperable. (16i /lbs) (1.33 ft/lbs) (1.8 Nm) for ring top screws and (30 in/lbs) (2.5 ft/lbs) (3.4 Nm) for ring base screws.

## OCULAR LENS ADJUSTMENT

The WULF Lightning 30 Rifle Scopes are fitted with an adjustable ocular focus. To focus your eye characteristics to the rifle scope, giving a perfect picture of the reticle, start by following these steps:

- With the rifle scope set to about half magnification, hold the rifle scope about 3-4 inches from your eye and look through the eye piece at an area such as a plain wall.

- If the reticle is not sharply defined, turn the eyepiece a few turns.
- If the focus gets worse, turn it the opposite direction.

## ADJUSTING PARALLAX

Parallax is the apparent movement of the reticle in relation to your target when your eye moves off centre to the scope.

Adjusting parallax will also focus your target and reticle together for clarity in both optics field.

To check if the parallax is set correctly, move your eye slightly in a few different directions - side-to-side and up and down, the parallax free target shouldn't move in relation to the reticle and if your eye piece is focused correctly both your target and reticle will be clear in relation to each other.

Checking the distance marks on parallax ring you may find only one distance shown on parallax ring with reference line next to it. This is the distance parallax is pre-set at the factory to be parallax free.

The Parallax 1 position is on front of objective.

### **Resetting Adjustment Dials with Zero Reset**

WULF rifle scopes feature windage/elevation dials that allow you to re-index the zero indicator after sight-in without disturbing your settings. Though not required to do, this process will allow you to quickly return to your original zero if temporary corrections are dialled in the field.

#### **Reset the windage and elevation dials in this way:**

- While firmly holding the dial, loosen and remove center screw.
- Lift dial off of scope. Adjust dial to reposition the zero mark on the index line.

- Install dial and reinstall and tighten center screw while firmly holding the dial.

### **Reticle Illumination Control**

It is recommended that the battery (CR2032 or equivalent) be removed from the scope until the IR is required. To fit simply unscrew the cover and insert observing correct polarity. Rotate the adjusting knob until the desired level of brightness is achieved.

### **Windage & Elevation Adjustments**

4-16x = 1/4 MOA

6-24x = 1/8 MOA

For example, the 4-16x incorporates adjustable elevation and windage dials with audible clicks. Each audible click moves the bullets point-of-impact 1/4 of a minute of angle (MOA).

1/4 MOA closely corresponds to 1/4 inch at 100 yards, 1/2 inch at 200 yards, 3/4 inch at 300 yards... taking 4 clicks to move the bullet's point-of-impact approximately

one inch at 100 yards. 1/8 MOA means 1/8 of an inch at 100 yards, 2/8 inch at 200 yards, 3/8 inch at 300 yards.

Begin adjusting the windage and elevation setting by first pull out the houses on function position. Then move the turrets in the direction you wish the bullet's point-of-impact to change. To make the adjustments, rotate the adjustment dial in the appropriate direction (up/down or left/right) as indicated by the arrows on the side of turrets.

After sight-in, you can re-align the zero marks on the turret dials with the reference dots if you wish. Then you can pressed the turrets on lock position.

## MAINTENANCE

### **Cleaning**

The fully waterproof and fog proof rifle scope requires very little routine maintenance other than periodically cleaning the exterior lenses. The exterior of the scope may be cleaned by wiping with a soft, dry cloth.

When cleaning the lenses, be sure to use products, such as the lens pen or special wet cloth, that are specifically designed for use on coated optical lenses.

Be sure to blow away any dust or grit on the lenses prior to wiping the surface using your breath, or a very small amount of water or pure alcohol, can help remove stubborn things like dried water spots.

### **Lubrication**

All components of the scope are permanently lubricated, so no additional lubricant should applied.

## Storage

If possible, avoid exposing your rifle scope to direct sunlight or any very hot location for long periods of time.

## WARRANTY

We know first-hand the importance of reliability and performance. Split seconds and hairline distances are common in our game and we need equipment that will consistently perform and last.

Our products are designed and manufactured to fulfill and exceed the demands of our users, and to withstand the elements, which is why we ensure each WULF item passes the strictest of quality controls.

However, we know that on the rarest of occasions things can go wrong which is why we offer the WULF Titanium Warranty on all our products under normal use.

**NO QUESTIONS. NO COSTS. NO WORRIES.**

WULF Optics

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The WULF Titanium Lifetime Warranty does not cover loss, theft, deliberate damage or cosmetic damage that does not hinder the performance of the product.

Please refer to the dealer you purchased from for all warranty questions and issues.





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