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› Vector Optics Tauron 5-30x56 FFP Rifle Scope User Manual

Vector Optics SCFF-66

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Model: SCFF-66

1. INTRODUCTION

Thank you for choosing the Vector Optics Tauron 5-30x56 FFP Rifle Scope. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new rifle scope. Designed for precision and durability, this scope features a First Focal Plane (FFP) reticle, Zero Stop functionality, and an IP67 waterproof rating, making it suitable for long-range precise shooting, varmint hunting, and mountain hunting.

2. WHAT'S IN THE BOX

Upon opening your package, please ensure all the following components are present:

- Riflescope
- Rubber Lens Cover
- Sunshade
- User Manual (this document)
- Plastic Wrench



Image: The Vector Optics Tauron 5-30x56 FFP Rifle Scope shown with its included accessories.

3. SPECIFICATIONS

Feature	Specification
Brand	Vector Optics
Model Number	SCFF-66
Magnification (Minimum)	5x
Magnification (Maximum)	30x
Objective Lens Diameter	56mm
Reticle Type	Mil Dot (First Focal Plane)
Material	Aluminum

Item Weight	2.1 Pounds
Waterproof Rating	IP67
Compatible Devices	Rifle

4. SETUP

4.1 Mounting the Scope

Proper mounting is crucial for accuracy and consistent performance. Use high-quality scope rings and a base compatible with your rifle. Ensure the scope is mounted securely, allowing for proper eye relief and a clear field of view. Consult your rifle's manual for specific mounting recommendations.

1. Attach the scope base to your rifle's receiver according to the manufacturer's instructions.
2. Secure the bottom halves of the scope rings to the base.
3. Place the scope into the bottom rings. Adjust its position forward or backward to achieve optimal eye relief.
4. Rotate the scope until the reticle is level with the rifle's bore. A reticle leveling tool is recommended for precision.
5. Place the top halves of the scope rings over the scope and tighten the screws evenly, following the torque specifications provided by the ring manufacturer. **Do not overtighten**, as this can damage the scope tube.

4.2 Initial Adjustments

Before zeroing, perform these initial adjustments:

- **Diopter Adjustment:** Look through the scope at a plain, bright background (like the sky). Rotate the diopter ring (located at the eyepiece) until the reticle appears sharp and clear. This adjustment compensates for individual eyesight differences.
- **Parallax Adjustment:** The parallax knob (usually on the left side of the scope) eliminates parallax error. While looking through the scope, adjust the parallax knob until the target appears sharp and the reticle does not shift relative to the target when you move your head slightly.

5. OPERATING THE SCOPE

5.1 Magnification Adjustment

The magnification ring is located at the front of the eyepiece. Rotate it to adjust the magnification from 5x to 30x. As this is a First Focal Plane (FFP) scope, the reticle will appear to grow or shrink proportionally with the target as you change magnification, ensuring that subtensions remain accurate at all power settings.

5.2 First Focal Plane (FFP) Reticle

The Tauron 5-30x56 features an FFP reticle. This means the reticle's size changes with the magnification. The advantage is that the reticle's subtensions (the spacing of the hash marks) remain constant relative to the target at any magnification. This is ideal for range estimation and holdovers, as your calculations will be accurate regardless of the zoom level.

5.3 Zero Stop Function

The Zero Stop feature allows you to quickly return to your established zero setting after making elevation adjustments for long-range shots. To set the Zero Stop:

1. Zero your rifle scope at your desired distance (e.g., 100 yards).
2. Once zeroed, loosen the set screws on the elevation turret cap.
3. Rotate the turret cap until the '0' mark aligns with the indicator line on the scope body.
4. Tighten the set screws. Your Zero Stop is now set. You can dial up for longer shots and then quickly return to your zero by rotating the turret down until it stops.

5.4 Windage and Elevation Adjustments

The windage and elevation turrets are used to adjust the point of impact. Each click of the turret moves the point of impact by a specific amount (e.g., 1/10 MIL). Rotate the elevation turret (top) to adjust for vertical bullet drop and the windage turret (right side) to compensate for horizontal wind drift.

Your browser does not support the video tag.



Video: Demonstration of precise targeting using a Vector Optics FFP rifle scope. *Note: This video features a similar Vector Optics 3-24x56 ED FFP model, but the reticle principles and targeting techniques are applicable to the Tauron 5-30x56 FFP.*

6. MAINTENANCE

6.1 Cleaning Lenses

To maintain optical clarity, keep your lenses clean. Use a soft lens brush to remove dust and debris. For smudges or fingerprints, use a clean microfiber cloth and a small amount of lens cleaning solution. **Never use harsh chemicals or abrasive materials** on the lenses.

6.2 General Care

- Store the scope in a dry, cool place, preferably in its original packaging or a protective case.
- Always use the provided lens covers when the scope is not in use to protect the lenses from dust and scratches.
- Avoid exposing the scope to extreme temperatures or sudden temperature changes.
- Regularly check mounting screws for tightness, especially after transport or heavy use.

7. TROUBLESHOOTING

If you encounter issues with your scope, refer to the following common problems and solutions:

- **Blurred Image:** Adjust the diopter for your eyesight and the parallax for the target distance. Ensure lenses are clean.
- **Inaccurate Point of Impact:** Check that the scope is securely mounted and that all rings and base screws are tightened to the correct torque. Re-zero the scope.
- **Reticle Not Level:** Re-check the scope's mounting and ensure it is level with the rifle's bore.
- **Difficulty Adjusting Turrets:** Ensure the turret caps are unlocked (if applicable) or that no debris is obstructing the mechanism.

If problems persist, contact Vector Optics customer support for further assistance.

8. WARRANTY AND SUPPORT

Vector Optics products are designed for reliability and performance. For specific warranty information and to register your product, please visit the official Vector Optics website or contact their customer service department. Keep your

purchase receipt as proof of purchase.

For technical support, spare parts, or service inquiries, please refer to the contact information provided on the Vector Optics website.