

# T6XI TACTICAL RIFLESCOPE



TECHNICAL MANUAL

**STEINER**   
Nothing Escapes You

**CONTENTS**

INTRODUCTION 3

MOUNTING THE SCOPE 4

    Eyepiece Focusing

WINDAGE/ELEVATION ADJUSTMENT 5

    Locking Windage/Elevation Turrets

PARALLAX/FOCUS ADJUSTMENT 7

STEINER RETICLES 8

    Illuminated Reticle Adjustment

    Replacing Battery

ACCESSORIES 9

CARE & MAINTENANCE 10

SPECIFICATIONS 11

HERITAGE™ WARRANTY



1-6x24



2.5-15x50

## INTRODUCTION

Steiner is one of the largest manufacturers of high-quality optics in the world. Steiner products represent the highest level of precision and technology. Your T6Xi riflescope is proudly designed, machined, and assembled in the USA for precision shooters who demand the best.

This manual outlines the basic operation and maintenance of the scope.

**WARNING! Make sure your firearm is unloaded before attempting to mount the scope on your firearm. Practice safe firearms handling at all times.**



3-18x56

5-30x56

## **MOUNTING THE SCOPE**

Quality components ensure that your scope will remain safely and securely mounted and will provide the maximum accuracy. The 1-6x24mm model requires 30mm rings. The 2.5-15x50mm, 3-18x56mm and 5-30x56mm require 34mm rings. Steiner recommends using high-quality rings and bases such as the Steiner T-Series rings.

Read the ring manufacturer's directions regarding the installation of mounts and rings.

## **EYEPIECE FOCUSING**

The eyepiece can be focused so that the reticle appears sharp and black to your eyes. Adjusting the focus is quick and easy to do. The T6Xi riflescopes feature a diopter locking ring that ensures it cannot be moved once the reticle is focused for your eye. To adjust the eyepiece, follow this procedure.

1. Loosen the diopter locking ring by turning it counter-clockwise.
2. With the locking ring loosened, the diopter can be easily adjusted.
3. Point the scope at the sky or a plain wall and take a quick glance through the scope. If the reticle appears sharp and black, no further adjustment is necessary.
4. If not, use quick glances through the scope while rotating the focus ring until the reticle is sharp and clear.
5. When the reticle is focused for your eye, tighten the locking ring by turning clockwise. Do not over-tighten.

**NOTE: Do not look through the eyepiece as you turn the focus ring. Your eyes will adjust to the out-of-focus condition.**

# WINDAGE / ELEVATION ADJUSTMENT

The windage and elevation knobs are designed for precise adjustment. The dials are calibrated so that 1 click = 1 cm @ 100 meters or 0.1 mRAD for MIL models, or 1/4 MOA @ 100 yards for MOA models. The windage turret is located on the right side of the tube and elevation turret is on the top. Adjustments are indicated by detents and audible clicks.

The T6Xi Series offer low-profile Never-Lost elevation turrets. MIL / MOA of elevation is shown through the indication window on the elevation turret. After the first revolution of 120 clicks, the MIL / MOA numbers on the scale automatically change preventing the shooter from getting lost on the dial.

	1-6	2.5-15	3-18	5-30
<b>WINDAGE RANGE @ 100 M</b>	30 Mil	15 Mil / 50 MOA	15 Mil	14 Mil
<b>ELEVATION RANGE @ 100 M</b>	30 Mil	35 Mil / 120 MOA	35 Mil	26 Mil

## LOCKING WINDAGE/ELEVATION TURRETS

The T6Xi models with adjustable turrets feature a new reticle lock ensuring windage and elevation adjustments cannot be moved accidentally. To lock the turn the top ring on the turret (indicated by the lock symbol) counter-clockwise until the locked symbol appears in the window.

Unlock to make windage or elevation adjustments. Windage and elevation adjustment chart shown above shows how many MOA / Mil's of adjustment are here for windage and elevation.

## LOCKING WINDAGE/ELEVATION TURRETS (CONT)

- Turning the elevation turret clockwise moves the point of impact down.
- Turning the elevation turret counterclockwise moves the point of impact up.
- Turning the windage dial clockwise moves the point of impact left.
- Turning the windage dial counterclockwise moves the point of impact right.

The T6Xi series is shipped from the factory with the optical center (knob at '0' position) set below center. Without tapered bases the initial sight-in or bore-sighting will likely produce an initial point of impact considerably high. For best results, Steiner recommends a 25 MOA canted base for the 3-18x and 5-30x models.



Zero Click Stop is factory set so the scope has no extended capability for downward point of impact adjustment. For additional negative elevation adjustment, reset the zero using the next step.

### **If the Desired Zero is Below the Zero Click Stop Location**

1. Use the 2mm hex wrench supplied with the scope to loosen the set screws on the elevation adjustment knob located just under the top of the knob. The knob should free spin without any click engagement.
2. Turn the knob in the direction of "up" as indicated on your elevation knob slightly more than the number of Mil's / MOA needed to achieve zero.
3. Retighten the set screws.
4. Adjust the elevation down the required amount.

## Setting the Windage Zero and Elevation Zero Click Stop

1. Place the turret in the locked position.
2. Using the 2 mm hex wrench supplied with your scope loosen the two set screws located just below the top of the knob, one-half turn.
3. Turn the knob to zero.
4. Tighten the two set screws on the knob. **DO NOT OVERTIGHTEN.**
5. Repeat for the windage knob.

**NOTE: Do not attempt to remove the turret as it may damage the locking system.**

## PARALLAX/FOCUS ADJUSTMENT

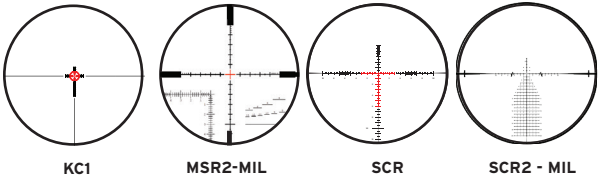
Images from different distances can focus in front of or behind the scope's reticle causing a blurry image or reticle. The Parallax/Side Focus adjustment allows adjusting image focus forward or backward so the reticle and image both appear sharp and clear.

To use the parallax/focus adjustment, rotate the knob on the left side of the adjustment turret, closest to the main scope tube until the numbers corresponding to the known target distance lines up with the reference mark. If the distance is unknown, rotate the adjustment knob clockwise or counterclockwise until the target image is sharply focused.

When the scope is set parallax free for the distance you are viewing, you should be able to move your eye slightly side-to-side or up and down without seeing the reticle move in relation to the target.

## STEINER RETICLES

Steiner offers a selection of reticles in the T6Xi line of riflescopes.



For more information on these reticle designs, [www.steiner-optics.com/reticle-guide](http://www.steiner-optics.com/reticle-guide)



STEINER  
RETICLE  
GUIDE

### Illuminated Reticle Adjustment

The T6Xi series of riflescopes feature illuminated reticles for optimum viewing in low light or on dark targets. The rotary illumination dial is located on the left side of the riflescope adjacent to parallax adjustment.

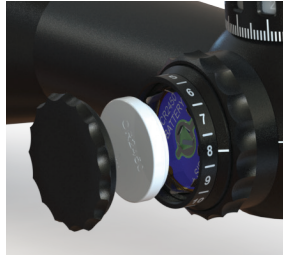
There are 11 illumination intensity levels and a “battery saver” position in-between each level that turns off the illumination to prevent battery drain. Additionally, each level has a detent to prevent unintended changes during use.

- Positions 8-11 are for daylight operations.
- Positions 1-7 are used during night ops.
- Positions 1-3 are suitable when utilizing night vision devices.



## Replacing the Battery

The reticle is powered by a 3-volt lithium cell battery #CR2450. To install a new battery, unscrew the battery cap on the illumination switch and install the new battery flat side (+) up. It is advisable to remove the battery for long-term storage (over a month).



## ACCESSORIES

The T6Xi scopes offer a range of accessories depending upon the model purchased.

### Flip-Up Lens Covers

The objectives and eye pieces on all four T6Xi scopes are designed to accommodate Tenebraex flip up lens covers. Installation is quick and easy. Just snap them on over the knurled rings.

### Sunshades

The 2.5-15x, 3-18x and 5-30x come with sunshades to reduce glare on the objective lenses. To install, align the threads on the sunshade and objective bell and turn the sunshade clockwise until snug.

### Throw Lever

The machined aluminum throw lever is designed to work on all T6Xi scopes. The lever clamps over the magnification ring. The lever provides extra leverage for fast, precise changes to the magnification setting. To install, place the lever over the magnification power ring and secure with the two hex screws.

## CARE & MAINTENANCE

Your Steiner T6Xi is fogproof and waterproof to 33ft. To protect the objective and ocular lenses, it comes equipped with flip-up scope caps. If the lenses are subjected to dust, dirt or mud, follow these steps to clean and protect the lens surface.

**CAUTION - Remove all foreign material from the lens before cleaning with cloth to prevent damage to the lens.**

Failure to remove grit before final cleaning is sure to damage lens coatings. Coarse dirt/debris must be removed from the lens surface. Position the scope so particles will fall away from the lens, and then use a soft brush to gently whisk away the debris, while blowing on the lens to dislodge the particles.

For heavy dirt, like dried mud, an air compressor or air can is recommended. Your T6Xi riflescope will provide a reliable performance given reasonable care and treatment.

All moving assemblies are permanently lubricated. Only occasional cleaning of the outside of the scope and the exterior lenses is required.

# SCOPE SPECIFICATIONS

	<b>1-6x24</b>	<b>2.5-15x50</b>	<b>3-18x56</b>	<b>5-30x56</b>
<b>Item No.</b>	5103	5116/5117	5118/5119	5124/5125
<b>Magnification</b>	1-6x	2.5-15x	3-18x	5-30x
<b>Objective Lens Diameter (mm)</b>	24	50	56	56
<b>Tube Diameter (mm)</b>	30	34	34	34
<b>Field of View (ft. @ 100 yds)</b>	114 - 19	44 - 8.1	36 - 6.8	21.5 - 4.1
<b>Field of View (ft. @ 100 m.)</b>	124.5 - 20.5	48.5 - 9	40 - 7.5	24 - 4
<b>Eye Relief (in./mm)</b>	3.9-3.4 / 100-88	3.5-3.3 / 91 - 84	3.5-3.3 / 91 - 84	3.5-3.3 / 91 - 84
<b>Exit Pupils (mm) LOW /HIGH</b>	10.3 - 4.5	9.5 - 3.8	9.7 - 3.7	9.5 - 2.4
<b>Diopter Setting</b>	+2 to -3	+2 to -3	+2 to -3	+2 to -3
<b>Focal Plane</b>	First	First	First	First
<b>Reticle</b>	KC-1	SCR-MIL SCR-MOA	MSR2-MIL SCR2-MIL	MSR2-MIL SCR2-MIL
<b>Illumination</b>	Rotary Dial	Rotary Dial	Rotary Dial	Rotary Dial
<b>Battery</b>	CR2450	CR2450	CR2450	CR2450
<b>Weight (w/o caps) (oz./G)</b>	20 / 576	32 / 895	34.4 / 976	34.5 / 978
<b>Length (in./mm)</b>	10.4 / 265	12.8 / 325	13.6 / 345	15.75 / 400
<b>Windage Adjustment</b>	0.1 mRAD	0.1 mRAD / 1/4 MOA	0.1 mRAD	0.1 mRAD
<b>Total Elevation Range</b>	30 Mil	34 Mil/ 60 MOA	34 Mil	28 MIL
<b>Total Windage Range</b>	30 Mil	30 Mil/ 50 MOA	30 Mil	25 MIL
<b>Parallax Focus</b>	None	Side Focus	Side Focus	Side Focus
<b>Parallax/Focus Range</b>	100 M	25 M	25 M	25 M
<b>Operating Temperature</b>	-15° F / +165° F	-15° F / +165° F	-15° F / +165° F	-15° F / +165° F

## STEINER HERITAGE™ WARRANTY



Your Steiner riflescope is covered by Steiner's Heritage Warranty and will provide years of reliable performance given reasonable care and treatment. However, should your T6Xi riflescope become damaged or defective, for any reason other than theft or deliberate misuse, we will repair or replace it at no charge - no questions asked.

Never disassemble your scope. Disassembly by anyone other than our factory will void the warranty. If you have any other problems with the riflescope, return it to the factory for repair. Complete warranty and repair information can be found at [www.steiner-optics.com](http://www.steiner-optics.com).



STEINER OPTICS  
331 East 8th Street • Greeley, CO 80631  
Tel: (888) 550-6255 • Fax: (970) 356-8702  
Customer Service: [info@steiner-optics.com](mailto:info@steiner-optics.com)  
[steiner-optics.com](http://steiner-optics.com)

INSTR-0000