

H6XI RIFLESCOPE



TECHNICAL MANUAL

STEINER 
Nothing Escapes You

CONTENTS

INTRODUCTION	3
MOUNTING THE SCOPE	4
Eyepiece Focusing	
WINDAGE/ELEVATION ADJUSTMENT	5
PARALLAX/FOCUS ADJUSTMENT	6
BATTERY / ACCESSORIES	7
STR MIL RETICLE SUBTENSIONS	8
MHR-MOA RETICLE SUBTENSIONS	10
MHR-MOA RFP RETICLE SUBTENSIONS	11
SPECIFICATIONS	14
CARE AND MAINTENANCE	17
HERITAGE™ WARRANTY	18

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 H6Xi 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! It is essential to make sure your firearm is completely unloaded before attempting to mount the scope. Always practice safe firearm handling procedures to prevent accidents and ensure the safety of yourself and others at all times.

MOUNTING THE SCOPE

Quality components ensure that your scope will remain safely and securely mounted and will provide the maximum accuracy. 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 H6Xi 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 = 1/4 MOA or 1 click = 0.1 MIL. 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 H6Xi Series offers low-profile tactical turrets designed for hunters, featuring easy to read, laser marked elevation and windage knobs.

	2-12x	3-18x	5-30x
WINDAGE RANGE @ 100 yd.	70 MOA/ 20 MIL	50 MOA/ 14.5 MIL	30 MOA/ 8.5 MIL
ELEVATION RANGE @ 100 yd.	70 MOA/ 20 MIL	75 MOA/ 21.5 MIL	65 MOA/ 18.5 MIL

Setting the Windage Zero and Elevation Zero Click Stop

1. Zero your rifle.
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 OVER-TIGHTEN.**
5. Repeat for the windage knob.

PARALLAX/FOCUS ADJUSTMENT

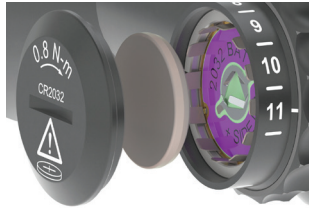
Images from different distances can focus in front of or behind the scope's reticle causing a blurry image or reticle. The Parallax/Side Focus adjustment allows adjusting image focus forward or backward so the reticle and image both appear sharp and clear.

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.

Replacing the Battery

The reticle is powered by a 3-volt lithium cell battery #CR2032. To install a new battery, use a tool to 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).

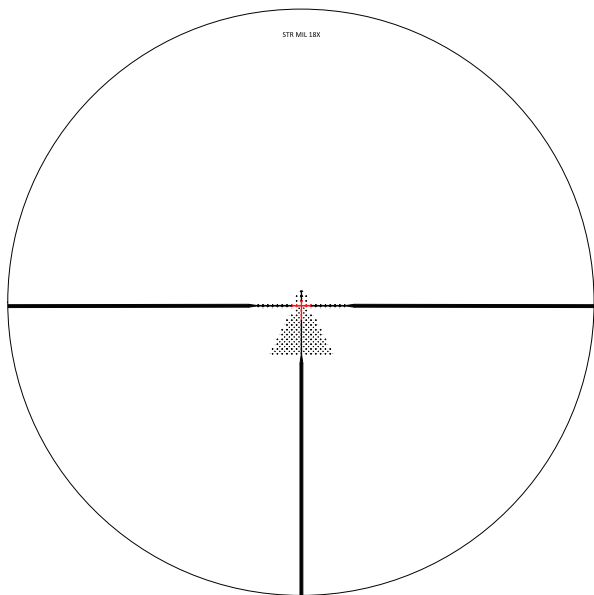
WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



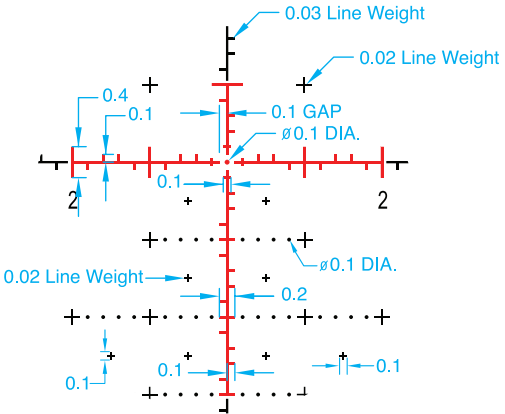
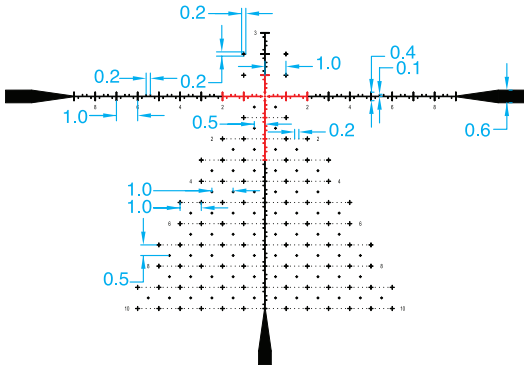
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.
- Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Compatible battery type - CR2032, 3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate.
- Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children

STR-MIL RETICLE SUBTENSIONS

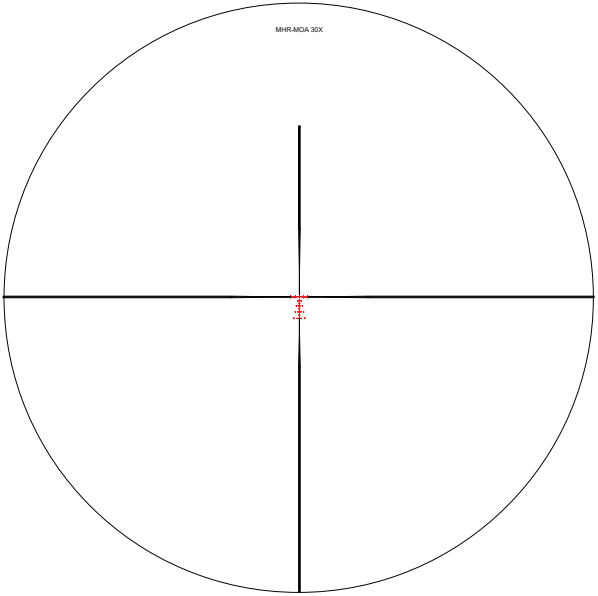


NOTES:

STR-MIL SUBTENSIONS CONT.

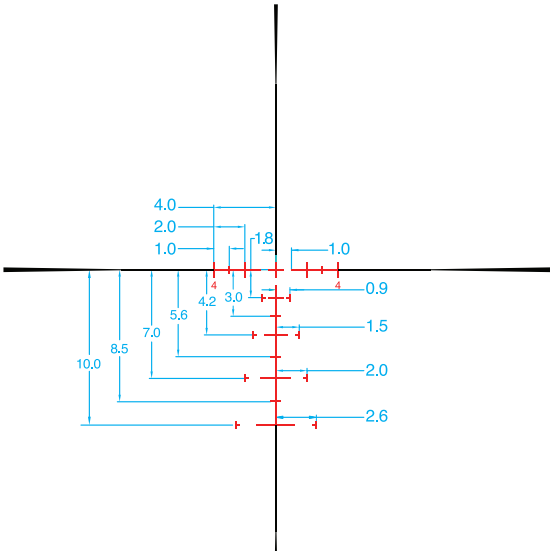
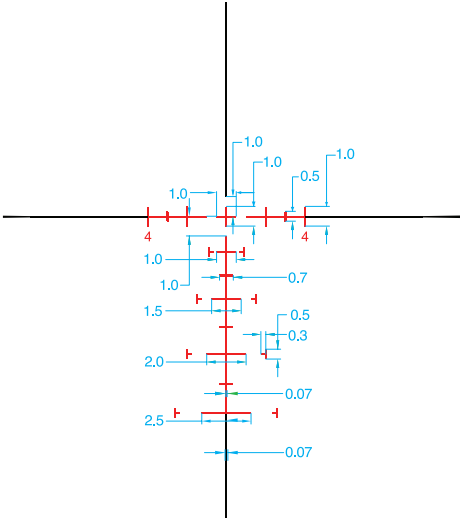


MHR-MOA RETICLE SUBTENSIONS

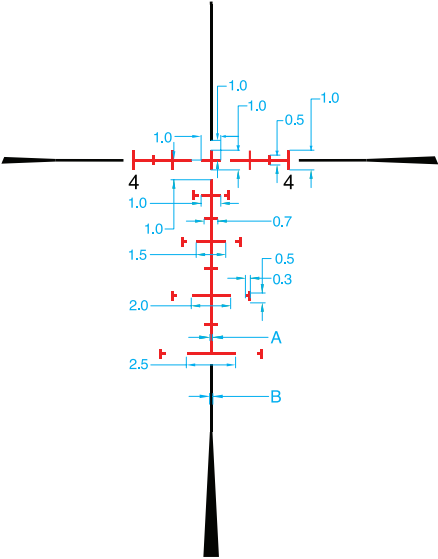
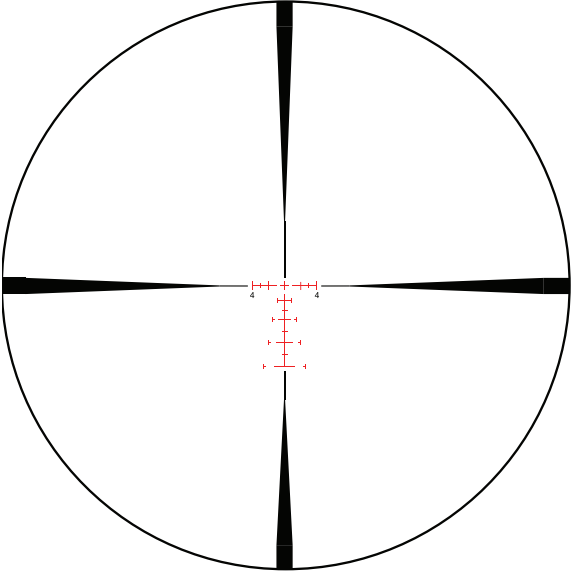


NOTES:

MHR-MOA SUBTENSIONS CONT.



MHR-MOA REAR FOCAL PLANE SUBTENSIONS



Values in MOA	A	B
FFP	0.07	0.07
12X RFP	0.13	0.16
18X RFP	0.11	0.14

NOTES:

Illuminated Reticle Adjustment

The H6Xi 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.

SCOPE SPECIFICATIONS - STR-MIL

	2-12x42mm		3-18x50 mm	5-30x50 mm
Item No.	8782		8783	8787
Magnification	2-12x		3-18x	5-30x
Objective Lens Diameter (mm)	42		50	50
Tube Diameter (mm)	30		30	30
Field of View (ft. @ 100 yds)	low	56.0 ± 3%	36.5 ± 3%	25.0 ± 3%
	high	10.5 ± 3%	7.0 ± 3%	4.5 ± 3%
Eye Relief (in./mm)	3.85-3.5 / 98-89.6		3.85-3.5 / 98-89.6	3.85-3.5 / 98-89.6
Exit Pupils (mm) LOW / HIGH	9.8 - 3.8		9.4 - 3.3	9.15 - 2.3
Diopter Setting	+2 to -3		+2 to -3	+2 to -3
Focal Plane	First		First	First
Reticle	STR-MIL		STR-MIL	STR-MIL
Illumination	Rotary Dial		Rotary Dial	Rotary Dial
Battery	CR2032		CR2032	CR2032
Weight (w/o caps) (oz./G)	23.2 oz/659 g		27.4 oz/777 g	28.1 oz/796 g
Length (in./mm)	11.8 in		13.3 in	15.4 in
Operating Temperature	-15 °F / +160 °F		-15 °F / +160 °F	-15 °F / +160 °F
Click Value Adjustment	0.1 MIL		0.1 MIL	0.1 MIL
Total Elevation Range	20 MIL		21.5 MIL	18.5 MIL
Total Windage Range	20 MIL		14.5 MIL	8.5 MIL
Parallax Focus	Side Focus		Side Focus	Side Focus
Parallax/Focus Range	25yd to Infinity		25yd to Infinity	25yd to Infinity

SCOPE SPECIFICATIONS - MHR-MOA

	2-12x42mm		3-18x50 mm	5-30x50 mm
Item No.	8780		8786	8789
Magnification	2-12x		3-18x	5-30x
Objective Lens Diameter (mm)	42		50	50
Tube Diameter (mm)	30		30	30
Field of View (ft. @ 100 yds)	low	56.0 ± 3%	36.5 ± 3%	25.0 ± 3%
	high	10.5 ± 3%	7.0 ± 3%	4.5 ± 3%
Eye Relief (in./mm)	3.85-3.5 / 98-89.6		3.85-3.5 / 98-89.6	3.85-3.5 / 98-89.6
Exit Pupils (mm) LOW / HIGH	9.8 - 3.8		9.4 - 3.3	9.15 - 2.3
Diopter Setting	+2 to -3		+2 to -3	+2 to -3
Focal Plane	First		First	First
Reticle	MHR		MHR	MHR
Illumination	Rotary Dial		Rotary Dial	Rotary Dial
Battery	CR2032		CR2032	CR2032
Weight (w/o caps) (oz./G)	23.2 oz/659 g		27.4 oz/777 g	28.1 oz/796 g
Length (in./mm)	11.8 in		13.3 in	15.4 in
Operating Temperature	-15 °F / +160 °F		-15 °F / +160 °F	-15 °F / +160 °F
Click Value Adjustment	0.25 MOA		0.25 MOA	0.25 MOA
Total Elevation Range	70 MOA		75 MOA	65 MOA
Total Windage Range	70 MOA		50 MOA	30 MOA
Parallax Focus	Side Focus		Side Focus	Side Focus
Parallax/Focus Range	25yd to Infinity		25yd to Infinity	25yd to Infinity

SCOPE SPECIFICATIONS - MHR-MOA RFP

	2-12x42mm		3-18x50 mm
Item No.	8680		8686
Magnification	2-12x		3-18x
Objective Lens Diameter (mm)	42		50
Tube Diameter (mm)	30		30
Field of View (ft. @ 100 yds)	low	56.0 ± 3%	36.5 ± 3%
	high	10.5 ± 3%	7.0 ± 3%
Eye Relief (in./mm)	3.85-3.5 / 98-89.6		3.85-3.5 / 98-89.6
Exit Pupils (mm) LOW /HIGH	9.8 - 3.8		9.4 - 3.3
Diopter Setting	+2 to -3		+2 to -3
Focal Plane	Second		Second
Reticle	MHR		MHR
Illumination	Rotary Dial		Rotary Dial
Battery	CR2032		CR2032
Weight (w/o caps) (oz./G)	23.2 oz/659 g		27.4 oz/777 g
Length (in./mm)	11.8 in		13.3 in
Operating Temperature	-15 °F / +160 °F		-15 °F / +160 °F
Click Value Adjustment	0.25 MOA		0.25 MOA
Total Elevation Range	70 MOA		75 MOA
Total Windage Range	70 MOA		50 MOA
Parallax Focus	Side Focus		Side Focus
Parallax/Focus Range	25yd to Infinity		25yd to Infinity

CARE & MAINTENANCE

Your Steiner H6Xi 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 H6Xi 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.

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 H6Xi 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.

The illustrations, descriptions, and specifications in this brochure are intended as a general guide and are not binding. Steiner reserves the right to make any changes deemed necessary to improve its products or to meet manufacturing or commercial requirements at any time without prior notice.



STEINER OPTICS

331 East 8th Street • Greeley, CO 80631

Tel: (888) 550-6255 • Fax: (970) 356-8702

SteinerCustomerService@burrisoptics.com

steiner-optics.com