

# AXCEL<sup>TM</sup> SIGHTS

INCLUDES:

**AX2000**

**AX3000**

**AX4500**

## TECHNICAL MANUAL



*Patent Pending  
Registered Trademark Pending*

Tomorrow's Resources Unlimited, Inc.

**AXCEL SIGHTS**

131 Crennel Dr.

PO Box 1180

Madison Heights, VA 24572

434-929-2800

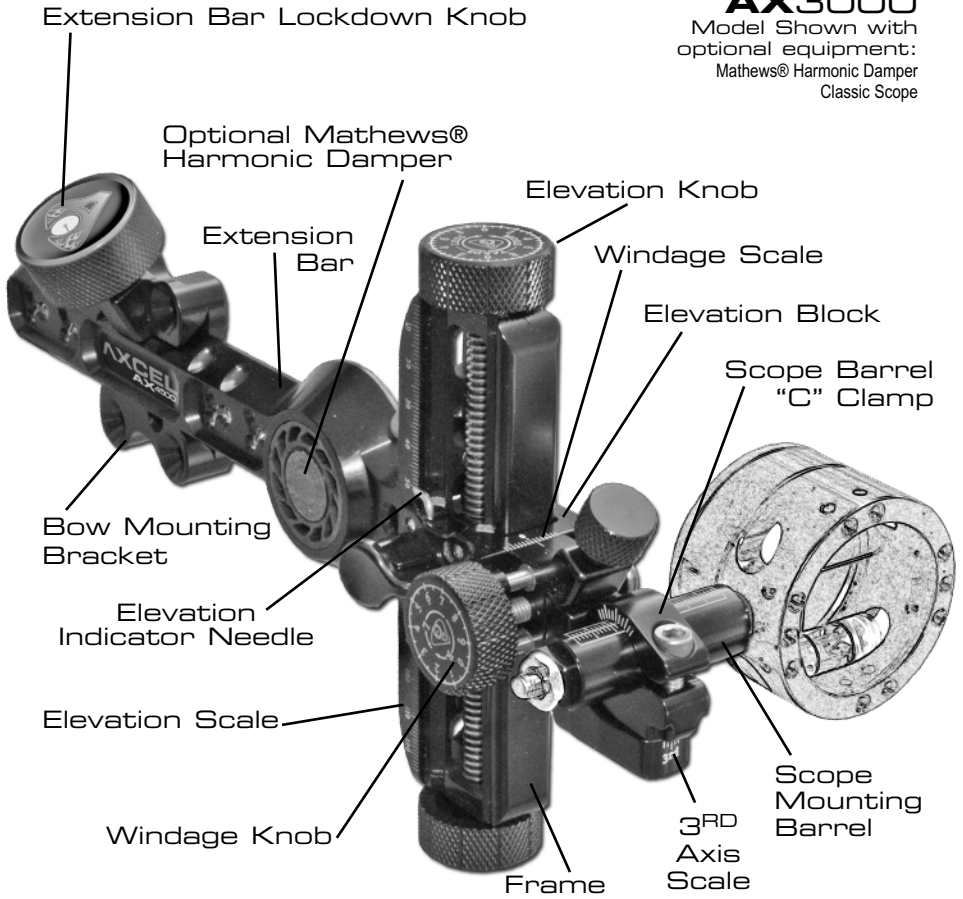
[info@axcelsights.com](mailto:info@axcelsights.com)

[WWW.AXCELSIGHTS.COM](http://WWW.AXCELSIGHTS.COM)

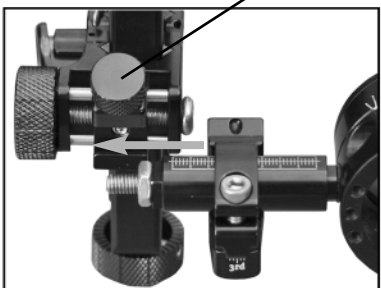
# Axcel Sights Parts Breakdown:

## AX3000

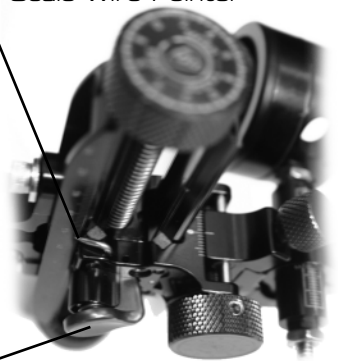
Model Shown with  
optional equipment:  
Mathews® Harmonic Damper  
Classic Scope



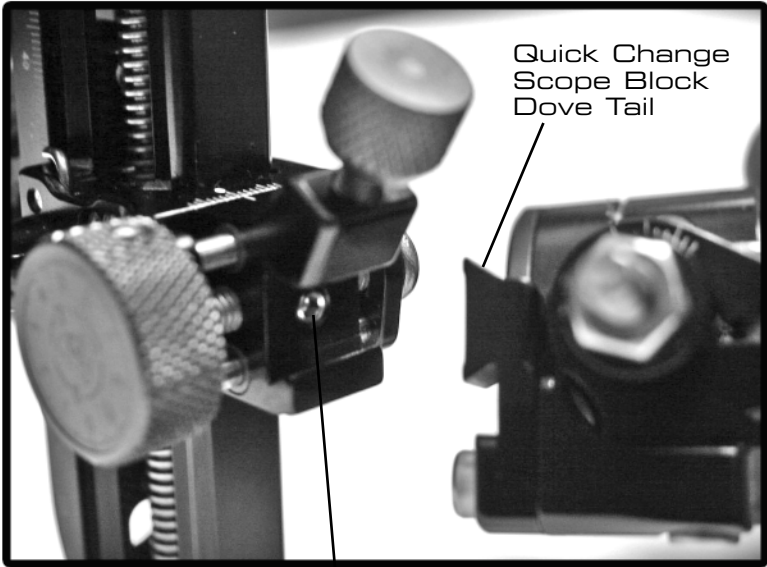
### Quick Change Scope Knob



### Set Screw - Adjust Scale Wire Pointer



### Quick Elevation Adjustment Thumb Depressed Activation



Lock Windage or Adjust Tension

Threaded Barrel -  
Hex/Square End Shown:



Non-Threaded Barrel  
Hex/Square End  
(STANDARD)

Threaded Barrel  
Hex/Square En  
(OPTIONAL)

(STANDARD)

- Non-Threaded Barrel-Hex/Square end fits Classic, Extreme, Sure-Loc, Bullseye, Specialty, Viper, Beiter, CR Apex, G&B Specialties, True-Spot, Cartel and Impact Scopes

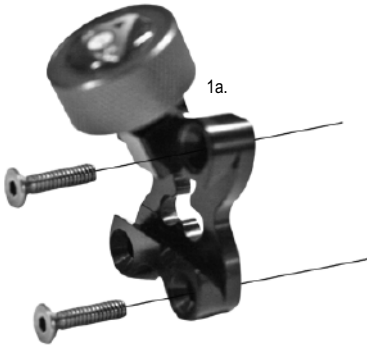
(OPTIONAL)

- Threaded Barrel-Hex/Square end fits Shrewd & CBE scopes

## Installation & Adjustment Instructions

---

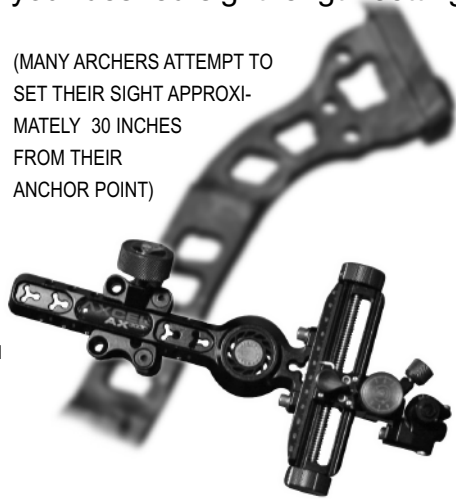
### MOUNTING SIGHT



Mount sight bracket to bow with screws provided (1a.). Tighten mounting screws securely, then slide the sight extension into the bow mounting bracket and choose your desired sight length setting.

(MANY ARCHERS ATTEMPT TO SET THEIR SIGHT APPROXIMATELY 30 INCHES FROM THEIR ANCHOR POINT)

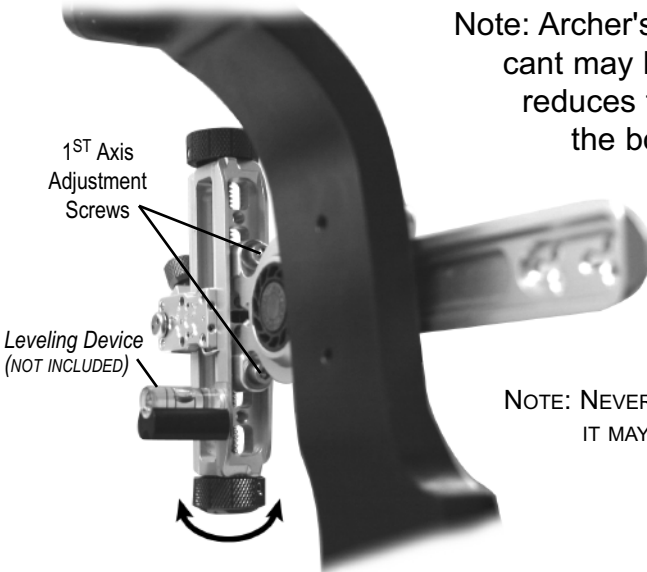
Note the number of this setting so that you can remove the sight and re-attach it to the same setting every time that you shoot for repeatable accuracy.



### SETTING 1<sup>ST</sup> AXIS

Level the elevation bar (frame) with bow string (or) level at full draw with natural bow tilt or cant based on the archer's feel.

Note: Archer's normal bow tilt or cant may be preferable as it reduces torque throughout the bow shot sequence.



NOTE: NEVER DRY FIRE YOUR BOW AS IT MAY RESULT IN INJURY

## Installation & Adjustment Instructions

---

### ALIGNING SCOPE TO EYE

Align the scope square with your eye to ensure scope lens clarity.

### NON-THREADED BARRELS

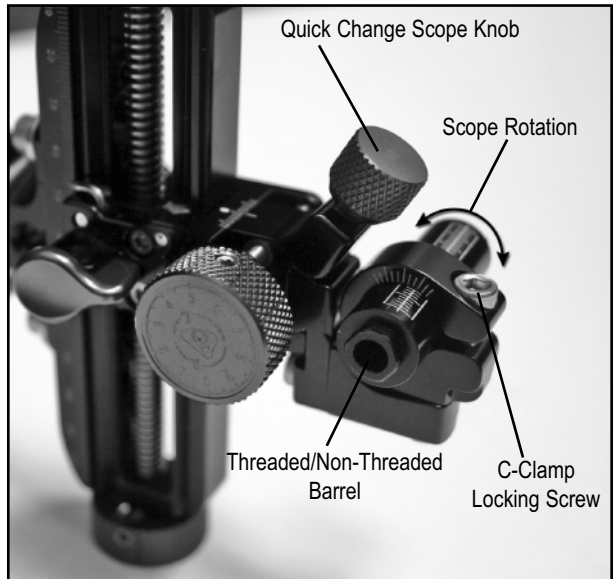
Make sure non-threaded barrel is secure by tightening the C-Clamp locking screw with the alignment marks at your preferred setting. Rotate your scope to be square with your eye and tighten your scope to the non-threaded barrel. To make minute rotation adjustments, loosen the C-Clamp locking screw and rotate the barrel using alignment marks for visual movement. When your scope is square with your eye, tighten the C-Clamp Lockscrew. Always ensure that the C-Clamp Lockscrew and the scope rod and nut are securely tightened.

### THREADED BARRELS

Tighten scope to barrel and ensure that it is tightened securely. Align scope to eye by rotating the scope barrel in the C-Clamp. For fine rotation adjustments, use alignment marks. After you are sure that the scope is aligned with your eye, tighten the C-Clamp Lockscrew securely. Ensure that the C-Clamp Lockscrew is securely tightened.



Rotate Scope to align square to your eye to ensure scope lens clarity.

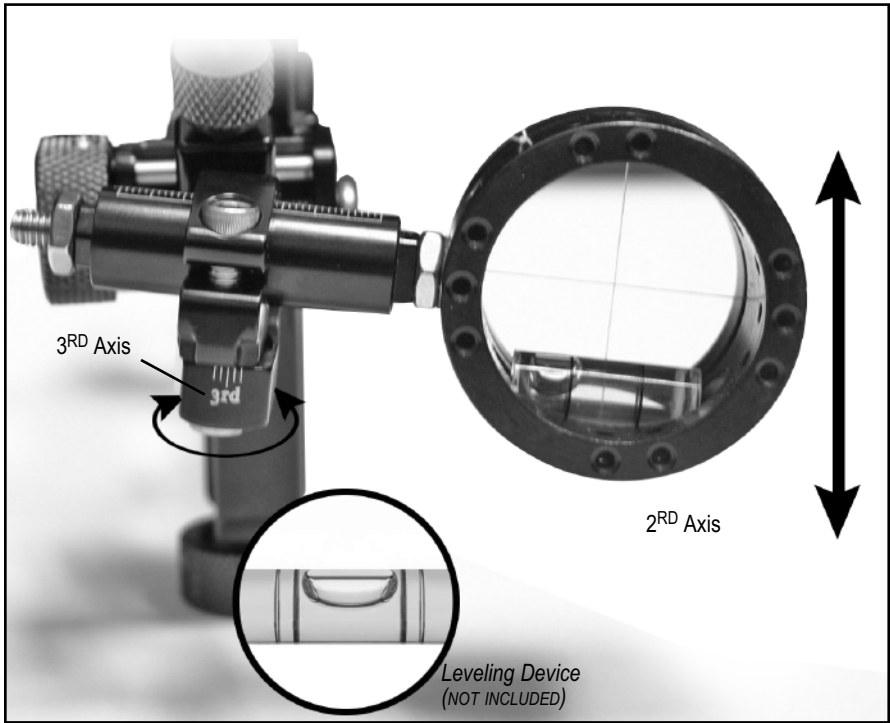


## Installation & Adjustment Instructions

---

### SETTING THE 2<sup>ND</sup> AXIS

Make 2nd Axis adjustments by attaching a level device to the side of the elevation bar (frame) and adjusting the 2nd Axis to bring the scope level. Make sure that both the level device and the scope level are level at the same time. Insure that the 2nd Axis screw is securely tightened.



### SETTING THE 3<sup>RD</sup> AXIS

With level device still attached to the side of the elevation bar (frame), bring bow to full draw and point your bow down at a 45 degree angle. Adjust the 3rd Axis to insure that the scope level and elevation bar (frame) level are level at the same time.

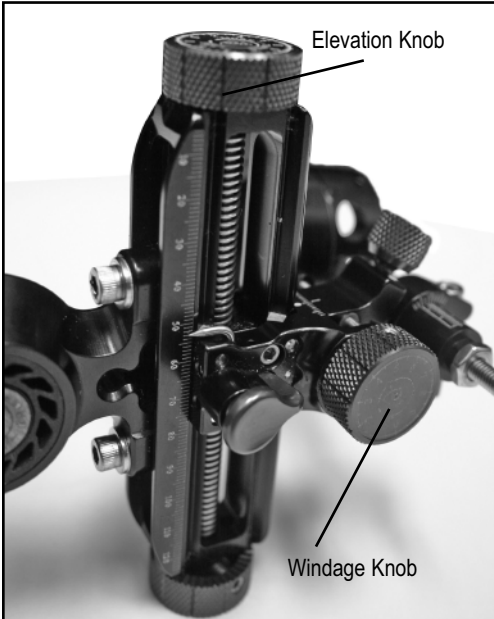
Insure that the 3rd Axis screw is securely tightened.

(NOTE: NEVER DRY-FIRE BOW AS INJURY MAY RESULT.)

## Installation & Adjustment Instructions

### ELEVATION KNOB

Elevation knob is engraved with two "0's". One is located at the 12 o'clock position and one is located at the 6 o'clock position. There are 40 clicks on the elevation knob for one full revolution or turn. There are engraved yardage marks on the side of the elevation bar (frame). One engraved mark equals 1/2 turn (or 20 clicks from "0" to "0"). When turning the elevation knob one full turn, the sight will move in elevation the distance of two engraved marks. This allows for the finest movement per click (.00156) and twice the speed in elevation movement of 1/16" per full turn of the elevation knob.



Note: When using software to make your own sight tape, always use (32 turn x 20 clicks)

Note: Direction arrows on the elevation knob are engraved with the words "More Yards" and "Less Yards" to help you readily move the knob to the position you need for the distance at which you will take your next shot.

### WINDAGE KNOB

Windage knob is engraved with 20 clicks which allow the finest movement of .00156 per click. One full revolution equals one mark on the windage scale.

Note: One click equals approximately 1/32 inch of target point of impact at 20 yards. 8-clicks will move the point where your accurately aimed arrow hits approximately 1/4 inch of target point of impact at 20 yards.

Note: Direction arrows engraved on windage knob will move scope "R=Right" or "L=Left."

### Maintenance

Your AXCEL Sight has been designed to operate in any weather condition. All parts are free from rust. Simply blow away debris to keep sight clean. Threads and way gibs should be kept clean of debris. Do not lube sight threads or ways as this will attract dirt and debris. Lube only the underside (click-side) of the elevation and windage knobs as needed. Use only a synthetic, non-water soluble grease such as SuperLube®.



## **Lifetime Warranty**

This AXCEL Sight is guaranteed to the original owner with a valid sales receipt against defects in materials and workmanship not caused by normal wear for the lifetime of the product. T.R.U., Inc., the manufacturer of AXCEL Sights, reserves the right to repair or replace defective parts at its earliest convenience if the sight has been used according to the enclosed instructions. T.R.U., Inc. alone will judge whether a defect has been caused by normal wear and which parts will be repaired or replaced. Defects caused by normal wear may be repaired for an additional charge.

### **LIMITATIONS TO GUARANTEE**

Parts that are modified, abused, or not used according to the instructions are not covered by this guarantee. T.R.U., Inc. shall not be liable for injuries or property damage of any kind. This guarantee is only valid to the original owner and is void if the original owner does not have the sales receipt. IT IS CRITICAL THAT YOU KEEP YOUR SALES RECEIPT IN A SAFE PLACE, AS REPAIRS WILL NOT BE PERFORMED WITHOUT THE ORIGINAL SALES RECEIPT! All packages sent to T.R.U., Inc. must have a return authorization (RA) number.

If you believe that a return to our factory is needed, call 434-929-2800 for a return authorization (RA) number, then UPS ship INSURED to T.R.U., Inc., 131 Crennel Drive, Madison Heights, VA 24572. T.R.U., Inc. is not liable for products that are lost in shipping, so it is very important to INSURE all shipments and make sure that your package has a tracking number. All returns must have a return authorization number, a short explanation of the problem, and be accompanied by a copy of the original sales receipt. The RA# must be written on the outside of the package or the package will not be accepted.

Tomorrow's Resources Unlimited, Inc.

### **AXCEL SIGHTS**

131 Crennel Dr. , PO Box 1180  
Madison Heights, VA 24572  
434-929-2800

[WWW.AXCELSIGHTS.COM](http://WWW.AXCELSIGHTS.COM) • [INFO@AXCELSIGHTS.COM](mailto:INFO@AXCELSIGHTS.COM)