

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.

ITEMS IN THIS MANUAL MAY BE PATENT PENDING OR COVERED BY US PATENTS & REGISTERED TRADEMARKS.

WWW.AXCELSIGHTS.COM/LEGAL.HTML FOR A FULL LIST OF PATENTS & TRADEMARKS.

Tomorrow's Resources Unlimited, Inc.

AXCEL® ARCHERY
131 Crennel Dr. , PO Box 1180
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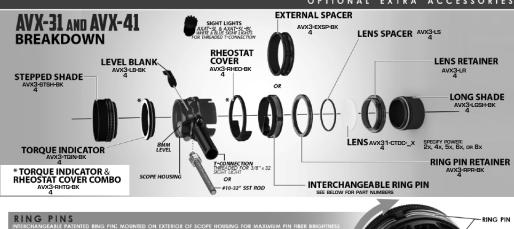
"VTS" (VARIABLE TENSION SYSTEM). PROVIDES A NEW ADJUSTMENT WHERE THE ARCHER PERSONALLY CHOOSES A DESIRED ELEVATION TRAVEL TENSION SETTING.

DOVETAIL GUIDE SYSTEM SUPERIOR "WINDAGE DOVETAIL **GUIDE SYSTEM", REPLACES** INFERIOR TWIN-DOWEL GUIDE SYSTEMS.



IF THERE IS MOVEMENT OR PLAY IN THE WINDAGE SYSTEM, TIGHTEN THE TWO 4-40 SET SCREWS IN 1/16 TURN INCREMENTS UNTIL DESIRED PRESSURE IS REACHED AND MOVEMENT/PLAY IS GONE. IF TIGHTENED TOO MUCH. THE WINDAGE WILL LOCK UP.

OPTIONAL EXTRA ACCESSORIES





BLACK ONLY





FIBER SIZE .010", .019" OR .029

SELECT SCOPE PIN OPTIONS

X-ZONE
ZERO POWERED (0x) X-ZONE 19" DRILLED LENS

AC14-CTXZ19-DXFD 19" DRILLED LENS

AC14-CTXZ19-OX 29" DRILLED LENS

AC14-CTXZ29-OXFD 29" DRILLED LENS

AC14-CTXZ29-OX **WARNING:**

DO NOT USE A LENS WITH MAGNIFICATION IN A RECURVE SCOPE!

REPLACEMENT APERTURE DISC SET (AUX

APERIURE DISC #1 ROUND (1/2") AC14-RXAD1

APERTURE DISC #2 ROUND (7/16") AC14-RXAD2

APERTURE DISC #3 ROUND (3/8" AC14-RXAD3

AC14-RXAD4

LENS RETAINER AC14-LR RHEOSTAT COVER AC14-RXRHEO WHITE RING PIN RETAINER

WARNING:

CURVE SPACER SLEEVE AC14-SPCR-BK

FIRE RING PIN MAY NOT BE USED AT THE SAME TIME AS A DRILLED LENS OR DOT DECAL LENS, THIS WILL RESULT IN A VIOLATION OF FITA RULE 11.1.5.1 BY PROVIDING TWO AIMING POINTS

BLACK ONLY







SQUARE RECURVE SCOPE ALIGNS WITH SQUARE TARGET FACE FOR BETTER VERTICAL BOW ALIGNMENT, SHOT-AFTER-SHOT. THE .019" OR .029" DIAMETER FIBERS IN GREEN, RED, OR YELLOW ARE WRAPPED AROUND THE SCOPE FOR A BRIGHTER PIN.

- SQUARE EDGES LINE UP WITH THE TARGET EDGES
- FIBER WRAPS AROUND THE SCOPE TO PROVIDE A BRIGHTER PIN THAN OTHER SQUARE SCOPES
- .019" OR .029" FIBER SIZE
- 8mm inside scope diameter



AXCEL TOURNAMENT SCOPES

T-CONNECTION

ELIMINATES STARBURST!

AVX-TCS

31MM INSIDE SCOPE DIA

AVX31 - AVX3-_--BK

TC = "T" CONNECTOR & STAINLESS #10-32 ROD

SC = STAINLESS #10-32 ROD

INCLUDED WITH AVX MODELS:

LENS SPACER EXTERNAL SPACER LENS RETAINER
LEVEL BLANK RING PIN RETAINER

41MM INSIDE SCOPE DIA.

AVX41 - AVX4- - BK

TC = "T" CONNECTOR & STAINLESS #10-32 ROD

SC = STAINLESS #10-32 ROD

INCLUDED WITH AVX MODELS: LENS SPACER LEVEL BLANK EXTERNAL SPACER LENS RETAINER
RING PIN RETAINER SCOPE & LENS COMBOS AVX3-TC-_10 AVX-31 SCOPE with DOCS CHOICE 1-3/8" DIA. LENS COMBO - "T" CONNECTION & SST #10-32 AVX4-TC- 10 AVX-41 SCOPE with DOCS CHOICE 1-3/4" DIA LENS COMBO - "T" CONNECTION & SST #10-32 -8/32" THREADED HOLE - DIRECTED TO THE EXACT CENTER OF A LENS DOT FOR LED LIGHT LENS SPACER THREADED FOR 3/8" x 32 SIGHT LIGHT (SOLD SEPARATELY) NTI-GLARE SURFACE TEXTURE MACHINED INTO INSIDE OF SCOPE HOUSING TO REDUCE GLARE LENS RETAINER EXTERNAL SPACER -LARGER IN-LINE LEVEL VIAL RING PIN RETAINER



AC14-RX19 WITH CT X-ZONE .019" DRILLED OX LENS AC14-RX29 WITH CT X-ZONE .029" DRILLED OX LENS

AC14-RXP19- WITH .019" FIRE RING PIN - RHEOSTA'
- CT X-ZONE .019" DRILLED OX LENS

AC14-RXP29- WITH .029" FIRE RING PIN - RHEOSTAT RBER COLOR - CT X-ZONE .029" DRILLED OX LENS

AC14-RXP10-BBER COLOR -- CT X-ZONE .019" DRILLED OX LENS

PRO MODEL INCLUDED WITH BOTH MODELS AC14-RXP19-GRBK REMOVABLE FIRE RING PIN
INCLUDED ONLY IN PRO MODEL OR SOLD SEPARATELY
-LONGER WRAP OF FIBERS IN THE FRP DESIGN SIGNIFICANTLY 3 DIFFERENT SIZE APERTURES INCREASES BRIGHTNESS IN ALL FIBER SIZES

-FIBER AVAILABLE IN .010", .019", & .029" DIA., IN GREEN OR RED O-RING (FOR USE WITH APERTURES WITHOUT LENS) -EASILY ADJUSTABLE FROM RH TO LH STANDARD MODEL SPACER SLEEVE ZERO POWERED (OX)

- A DRILLED NON-GLARE COATED LENS
WITH DOT STICKER KIT

ALSO AVAILABLE: CURVE CX COMPOUND TOURNAMENT SCOPE: ITEM

#10-32" SST ROD AX-SCR

SCOPE

AC14-RXF19-RH-_B .019" FIBER SIZE - RIGHT HAND

AC14-RXF19-LH-_B .019" FIBER SIZE - LEFT HAND

AC14-RXF29-RH-_B .029" FIBER SIZE - RIGHT HAND

AC14-RXF29-LH-_B .029" FIBER SIZE - LEFT HAND

SPECIFY FIBER COLOR GREEN - \underline{G} OR RED - \underline{R}

CHOOSE: RIGHT HAND (RH) OR LEFT HAND (LH) CURVE RXF AC14-RXF19-RH-GB WRAPPED FIBER IN COLORS OF RED OR GREEN I4MM SCOPE I.D. CHOOSE FIBER SIZE: .019" or .029" DIA. DESIGNED SHORT TO REDUCE INSIDE SCOPE WALL VISIBILITY THAT OCCURS WHEN MOVING THE SCOPE 5 METERS TO 60 METERS IN FIELD ARCHERY ADJUSTABLE RHEOSTAT COVER TO ADJUST PIN BRIGHTNESS & ELIMINATE STARBURST COMPETITION

ACC8-RX19-RH- B .019" FIBER SIZE - RIGHT HAND ACC8-RX19-LH- B .019" FIBER SIZE - LEFT HAND ACC8-RX29-RH-_B .029" FIBER SIZE - RIGHT HAND ACC8-RX29-LH-_B .029" FIBER SIZE - LEFT HAND SPECIFY FIBER COLOR GREEN - \underline{G} , RED - \underline{R} , OR YELLOW - \underline{Y}



ACHIEVE XP Accessories:

LONG RECURVE PLATE







SHORT COMPOUND PLATE



SHORT COMPOUND PLATE





RECURVE ACCESSORIES





RECURVE ALIGNMENT BLOCK **ACXP-RAB** ALIGN SCOPE TO YOUR EYE

(NO SHIMS NEEDED BETWEEN BOW AND SIGHT) SOLD SEPARATELY

COMPOUND ACCESSORIES



METAL SIGHT TAPES

GET PRECISE DISTANCES WITH YARDAGE MARKS THAT WON'T WEAR OFF OR GET DAMAGED DURING NORMAL USE.

Installation & Adjustment Instructions

MOUNTING SIGHT



Mount Compound or Recurve Plate to bow riser with screws provided (1a.). Tighten mounting screws securely.

Add Bow Mount Bracket to Plate. Then sight in bow to your desired setting. Many compound archers will use their sight at a fixed distance of 18m or 50m, while many recurve archers will shoot at 18m or 70m. For fixed distance use, we recommend sliding the Bow Mount Bracket up or down the Plate until the aiming point in the aperture or scope is in the middle of the sight. Each seven lines on the scale on your sight's elevation bar correspond to one hole up or down on the plate. For example, if your aiming point is 14 scale lines low, you would move the Bow Mount Bracket 2 holes on the Plate.

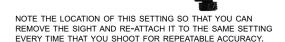
For situations like 3D or field tournaments, we recommend sighting in at 20 yards and moving the Bow Mount Bracket to the highest setting on the Plate so that you can have a complete range of elevation adjustment for your bow!

Then slide the sight extension into the bow mounting bracket and choose your desired sight length setting. Many archers attempt to set their pin or aperture approximately 30 inches from their eye. Note the location of this length setting so that

you can remove the sight and re-attach it to the same setting every time that you shoot for repeatable

accuracy.

(MANY ARCHERS ATTEMPT TO SET THEIR SIGHT PIN OR APERTURE APPROXIMATELY 30 INCHES FROM THEIR EYE)



AXCEL

SETTING 1ST 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 preference.



NCHIEVE XP 1.5 & 2.0 USER CHART FIXED DISTANCE TOURNAMENTS SIGHT MODEL TOURNAMENT TYPE/NAME Olympic Recurve 70-meter (Fixed Distance) FITA Compound 50-Meter (Fixed Distance) Indoor Recurve/Compound 18m/20yds (Fixed Distance) VARIABLE MULTI-DISTANCE TOURNAMENTS SIGHT MODEL TOURNAMENT TYPE/NAME 3D Compound (50yd max) All Axcel Sight Tapes (No. 0-40) Compound (75yd max) All Axcel Sight Tapes (No. 0-40) Field Compound (80yd max) All Axcel Sight Tapes (No. 0-40) Field Compound (80yd max) Axcel Sight Tapes (No. 0-33) Field Recurve (80yd max) Axcel Achieve XP 1.5 & 2.0 not usable Compound (92vd max) All Axcel Sight Tapes (No. 0-40) Compound (100yd max) Axcel Sight Tapes (No. 0-10) Compound (100yd max)

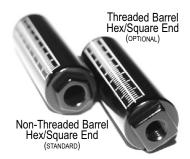
® VR PLATE HOLE SPACING EQUALS 7 FULL REVOLUTIONS OF ELEVATION KNOB OR 7 ENGRAVED GRADIENT LINES ON ELEVATION RAIL.

Axcel Sight Tapes (No. 0-31)

RECOMMENDED TO LOCATE 20 YARD MARK NEAR TOP OF ELEVATION RAIL LEAVING 3 FULL ELEVATION KNOB REVOLUTIONS FOR FREE SPACE TO MEET CLICK ADJUSTMENT NEEDS MID-TOURNAMENT DUE TO WEATHER, TEMPERATURE CHANGES, BOW STRING STRETCH, ETC.

ALIGNING SCOPE TO EYE

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



NON-THREADED BARREL

Always insure square or hex alignment aids on end of barrel mate with scope to eliminate scope rotation, when securing scope to barrel. Rotate your scope by spinning barrel in C-clamp to align scope to be square with your eye and tighten C-clamp securely. 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 securely. Always ensure that the C-Clamp Lockscrew and the scope rod and nut are securely tightened.

THREADED BARREL

Always insure square or hex alignment aids on end of barrel mate with scope to eliminate scope rotation. 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. Always ensure that the C-Clamp Lockscrew and the scope attachment bolt are securely tightened.

(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

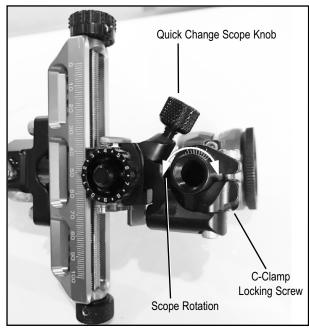
(OPTIONAL)

Threaded Barrel-Hex/Square end fits many scopes

The above Scope Brands may be covered by Trademarks & are the property of their respective owners.

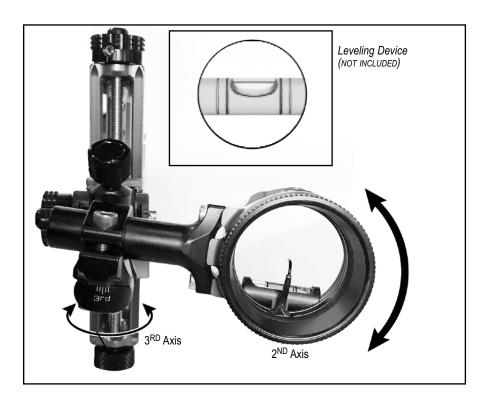


Rotate Scope by spinning barrel in c-clamp to align scope square to your eye.



SETTING THE 2ND 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 leveling device and the scope level are level at the same time. Insure that the 2nd Axis screw is securely tightened.



SETTING THE 3RD AXIS

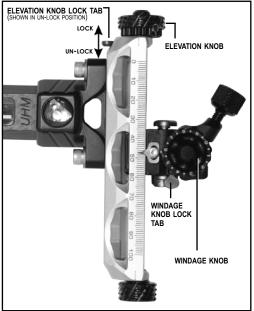
With level device still attached to the side of the elevation bar (frame), bring bow to full draw and point your bow down at a 45 degree angle. Adjust the 3rd Axis to insure that the scope level and elevation bar (frame) level are level at the same time.

Insure that the 3rd Axis screw is securely tightened.

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

ELEVATION KNOB

Elevation knob is engraved with 20 divisions numbering 1-10 with dot indicators between numbers. There are 20 clicks on the elevation knob for one full revolution or turn on a 32 pitch lead screw. There are engraved yardage marks on the side of the elevation bar (frame). One engraved mark equals 1 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 one engraved yardage mark. This allows for the finest movement per click (.00156) in the tournament sight market place. To lock, lift Elevation Knob Lock Tab. Push down to unlock.



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

WINDAGE KNOB

Windage knob is engraved with 20 divisions numbering 1-10 with dot indicators between numbers. There are 20 clicks on the windage knob for one full revolution or turn on a 32 pitch lead screw. There are engraved marks on the side of the windage block. One engraved mark equals 1 turn (20 clicks from "0" to "0"). When turning the windage knob one full turn, the sight will move in windage the distance of one engraved mark. This allows for the finest movement per click

(.00156) in the tournament sight market place. To lock, lift Windage Knob Lock Tab. Push down to unlock.

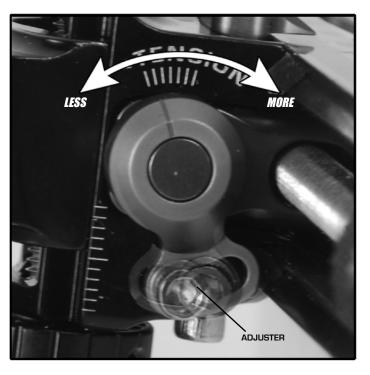
Note: One click of windage adjustment equals approximately 1/32 inch of target point of impact at 20 yards. 8-clicks of windage adjustment will change the point of impact approximately 1/4 inch at 20 yards.

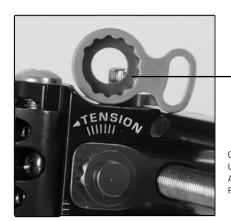
Maintenance

Your AXCEL® Sight has been designed to operate in any weather condition. All parts are aluminum or stainless steel and 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®.



TO ADJUST TENSION: USE 5/64" ALLEN WRENCH TO TURN SCREW COUNTER-CLOCKWISE, THEN ROTATE ADJUSTER TO DESIRED TENSION. TIGHTEN SCREW CLOCKWISE, DO NOT OVERTIGHTEN!





TENSION RANGE ADJUSTMENT: FOR ARCHERS WHO DESIRE SIGNIFICANTLY MORE

OR LESS TENSION: USE 5/64" ALLEN WRENCH TO REMOVE SCREW . LIFT OFF ADJUSTER, THEN REPOSITION ON GEAR TEETH TO A NEW POSITION. REINSTALL SCREW (TIGHTEN CLOCKWISE) DO NOT OVERTIGHTEN!

GEAR TEETH ON UNDERSIDE OF ADJUSTER SHOWN FOR REFERENCE.