



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. VISIT

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
Madison Heights, VA 24572

434-929-2800
WWW.AXCELARCHERY.COM

TECHNICAL MANUAL

ACHIEVE^{XP} PRO

COMPOUND AND RECURVE

SCAN FOR
TENSION SETTING
INSTRUCTIONS



SCAN FOR MORE INFO.
AND INSTRUCTIONS.

WWW.AXCELSIGHTS.COM

⚠ WARNING: This product can expose you to chemicals including Nickel Acetate, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

ACHIEVE XP PRO SIGHTS PARTS BREAKDOWN:

SVD
 SUPERIOR VIBRATION DAMPENING
 DESIGNED INTO THE ELEVATION AND WINDAGE GIB TRAVEL SYSTEMS THAT FEATURE ALL NEW INTERNAL GIBS AND GIB-GUIDEWAYS THAT SQUELCH VIBRATIONS INWARDLY, AND PROTECT THE GUIDE SURFACES FROM ANY DENTS OR SCRATCHES FOR THE LIFE OF THE PRODUCT. ALL TENSION IS INTERNALLY DESIGNED TO APPLY PRESSURE FORCES IN THE DIRECTION OF THE TARGET FOR SUPERIOR ACCURACY.

WEDGE LOCK
 LESS WEIGHT AND STRONGER MOUNT DESIGNED WITH ENCLOSED DUAL BRIDGE TECHNOLOGY

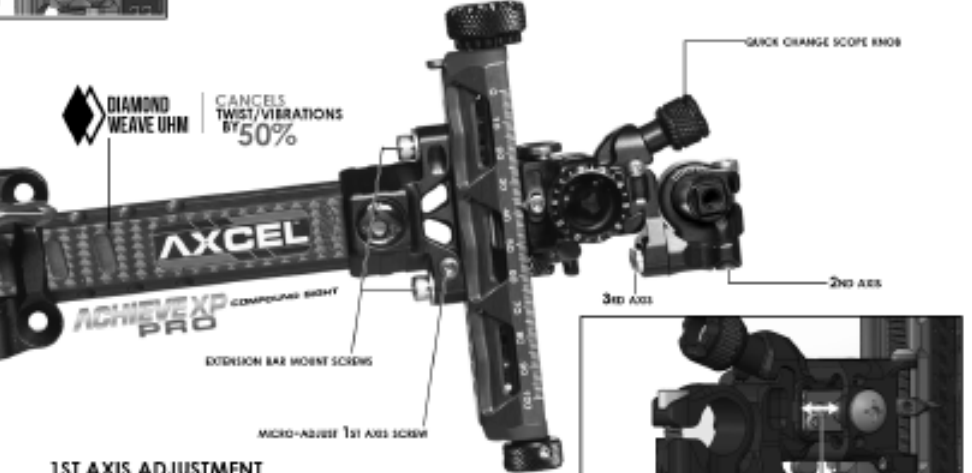
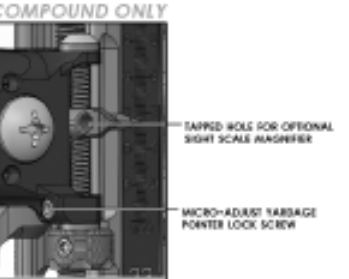


DIAMOND WEAVE UHM
 CANCELS TWIST/VIBRATIONS BY 50%

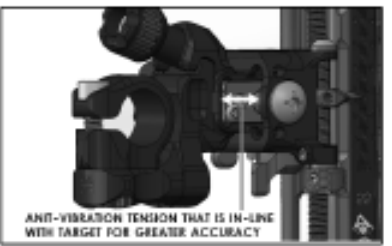


SINGLE SCREW BALANCED TENSION ADJUSTMENTS
 ONLY TOURNAMENT SIGHT TO OFFER SINGLE SCREW BALANCED TENSION ADJUSTMENTS WITH LOCK DOWNS (FOR ZERO MOVEMENT) ON BOTH WINDAGE AND ELEVATION. ALL ADJUSTMENTS MADE EXERT PRESSURE IN THE DIRECTION OF THE TARGET FOR MAXIMUM ACCURACY.

VTS (VARIABLE TENSION SYSTEM), PROVIDES THE ARCHER TO EASILY ADJUST BOTH ELEVATION AND WINDAGE TRAVEL TENSION SETTINGS WITH SINGLE SCREW FOR EACH AXIS.

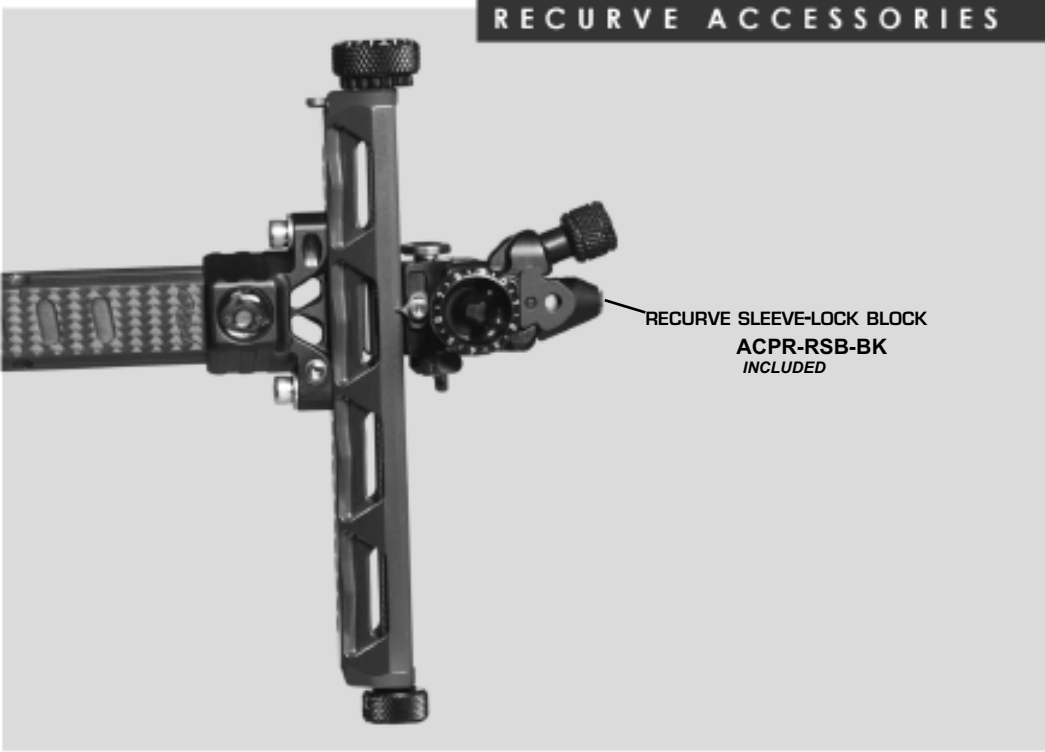


1ST AXIS ADJUSTMENT
 LOOSEN EXTENSION BAR MOUNT SCREW NEAREST THE MICRO-ADJUST SCREW, THEN TURN MICRO-ADJUST SCREW TO ACHIEVE 1ST AXIS LEVEL. RE-TIGHTEN EXTENSION BAR MOUNT SCREW AND CHECK THAT BOTH SCREWS ARE TIGHT.



ACHIEVE XP PRO Accessories:

RECURVE ACCESSORIES



RECURVE SLEEVE-LOCK BLOCK ACPR-RSB-BK INCLUDED

COMPOUND ACCESSORIES

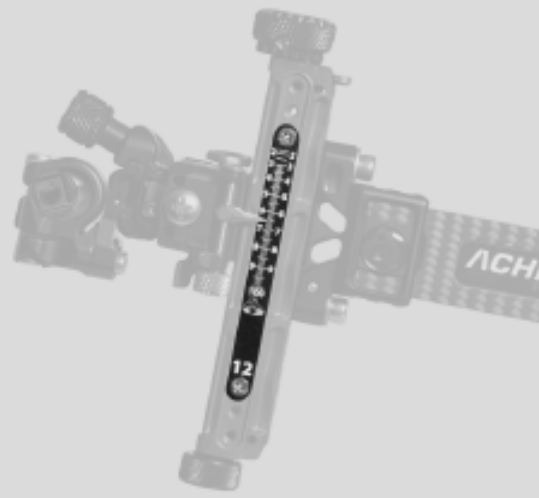
METAL SIGHT TAPES

INCLUDED WITH SIGHT:

SIGHT TAPE #	
5-6	21-22
9-10	25-26
13-14	29-30
17-18	33-34

AVAILABLE SEPARATELY:

SIGHT TAPE #	
1-2	23-24
3-4	27-28
7-8	31-31
11-12	35-36
15-16	37-38
19-20	39-40



AVX31

31MM INSIDE SCOPE DIA.

AVX31 - AVX3- -BK

CHOOSE:
TC = T1 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

AVX41

41MM INSIDE SCOPE DIA.

AVX41 - AVX4- -BK

CHOOSE:
TC = T1 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

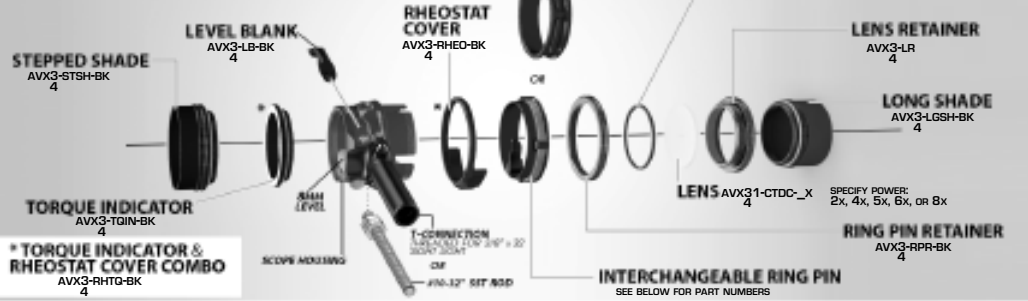
SCOPE & LENS COMBOS

PROFIT POWER - 2X, 4X, 5X, 6X OR 8X
 (SCOPE INCLUDES: ONE STAINLESS #10-32 ROD, ONE RETAINER, LEVEL BLANK, & RING PIN RETAINER)

AVX3-TC-10 AVX-31 SCOPE WITH DOCS CHOICE 1-3/8" DIA. LENS COMBO - T1 CONNECTION & SET #10-32
 AVX4-TC-10 AVX-41 SCOPE WITH DOCS CHOICE 1-3/4" DIA. LENS COMBO - T1 CONNECTION & SET #10-32



AVX-31 AND AVX-41 BREAKDOWN



RING PINS

INTERCHANGEABLE PATENTED RING PIN MOUNTED ON EXTERIOR OF SCOPE HOUSING FOR MAXIMUM PIN FIBER BRIGHTNESS
 RING PIN COLORED SET AVAILABLE IN .019" OR .029" FIBER SIZE IN GREEN, RED, YELLOW, OR BLUE

- AVX3-RP10 AVX-31 SCOPE FIBER OPTIC RING PIN - .010" SIGHT PIN (SPECIFY PIN COLOR)
- AVX3-RP19 AVX-31 SCOPE FIBER OPTIC RING PIN - .019" SIGHT PIN (SPECIFY PIN COLOR)
- AVX4-RP10 AVX-41 SCOPE FIBER OPTIC RING PIN - .010" SIGHT PIN (SPECIFY PIN COLOR)
- AVX4-RP19 AVX-41 SCOPE FIBER OPTIC RING PIN - .019" SIGHT PIN (SPECIFY PIN COLOR)

RING PINS WITH RHEOSTAT COVER

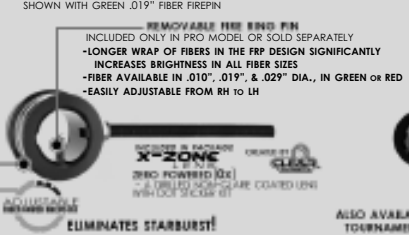
RHEOSTAT COVER TO DIAL IN YOUR BRIGHTNESS
 INTERCHANGEABLE PATENTED RING PIN MOUNTED ON EXTERIOR OF SCOPE HOUSING FOR MAXIMUM PIN FIBER BRIGHTNESS
 RING PIN COLORED SET AVAILABLE IN .019" OR .029" FIBER SIZE IN GREEN, RED, YELLOW, OR BLUE

- AVX3-RPRH10 AVX-31 SCOPE FIBER OPTIC RING PIN & RHEOSTAT COVER - .010" SIGHT PIN (SPECIFY PIN COLOR)
- AVX3-RPRH19 AVX-31 SCOPE FIBER OPTIC RING PIN & RHEOSTAT COVER - .019" SIGHT PIN (SPECIFY PIN COLOR)
- AVX4-RPRH10 AVX-41 SCOPE FIBER OPTIC RING PIN & RHEOSTAT COVER - .010" SIGHT PIN (SPECIFY PIN COLOR)
- AVX4-RPRH19 AVX-41 SCOPE FIBER OPTIC RING PIN & RHEOSTAT COVER - .019" SIGHT PIN (SPECIFY PIN COLOR)

CURVE RX RECURVE SCOPE

- AC14-RX SCOPE ONLY WITH #8-32 ROD (NO FIBERS OR LENS)
- 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 - RHEOSTAT FIBER COLOR - CT X-ZONE .019" DRILLED OX LENS
- AC14-RXP29- WITH .029" FIRE RING PIN - RHEOSTAT FIBER COLOR - CT X-ZONE .029" DRILLED OX LENS
- AC14-RXP10- WITH .010" FIRE RING PIN - RHEOSTAT FIBER COLOR - CT X-ZONE .019" DRILLED OX LENS

PRO MODEL AC14-RXP19-GRBK



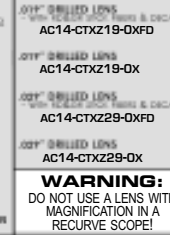
STANDARD MODEL AC14-RX



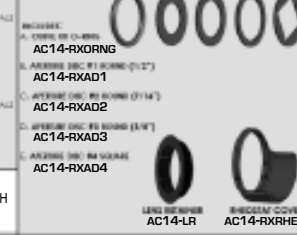
FIRE RING PIN AC14-FRP



X-ZONE LENS



REPLACEMENT APERTURE DISC SET



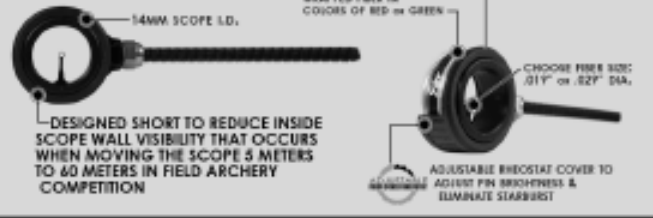
WHITENING RING PIN RETAINER



CURVE RXF RECURVE 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 - G OR RED - R

CURVE RXF AC14-RXF19-RH-GB



SELECT SCOPE PIN OPTIONS



SIEF VAN DEN BERG SIGNATURE SCOPE



CURVE CUBE

- 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 - G, RED - R, OR YELLOW - Y



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



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 PIN OR APERTURE APPROXIMATELY 30 INCHES FROM THEIR EYE)

NOTE THE LOCATION 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.



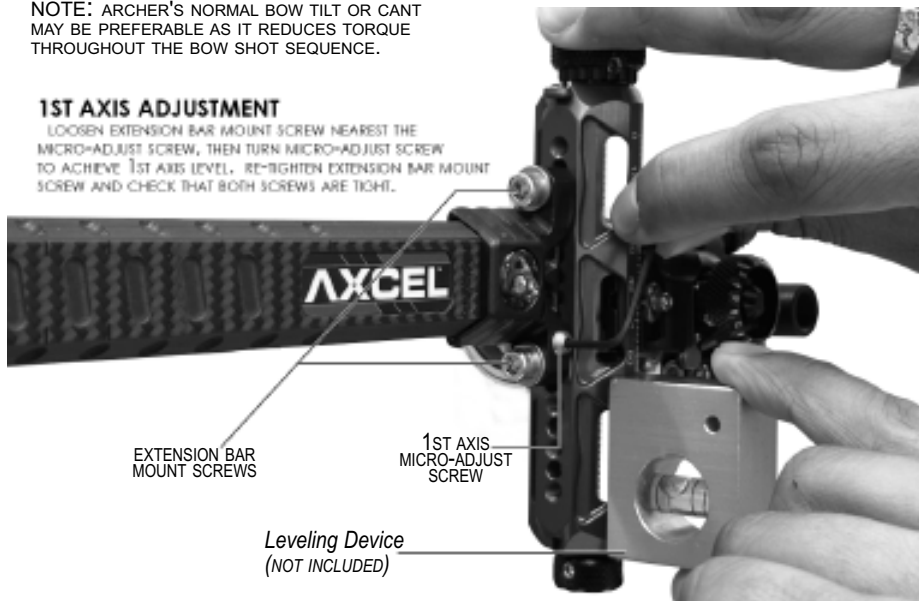
SETTING 1ST AXIS

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.

NOTE: ARCHER'S NORMAL BOW TILT OR CANT MAY BE PREFERABLE AS IT REDUCES TORQUE THROUGHOUT THE BOW SHOT SEQUENCE.

1ST AXIS ADJUSTMENT

LOOSEN EXTENSION BAR MOUNT SCREW NEAREST THE MICRO-ADJUST SCREW, THEN TURN MICRO-ADJUST SCREW TO ACHIEVE 1ST AXIS LEVEL. RE-TIGHTEN EXTENSION BAR MOUNT SCREW AND CHECK THAT BOTH SCREWS ARE TIGHT.



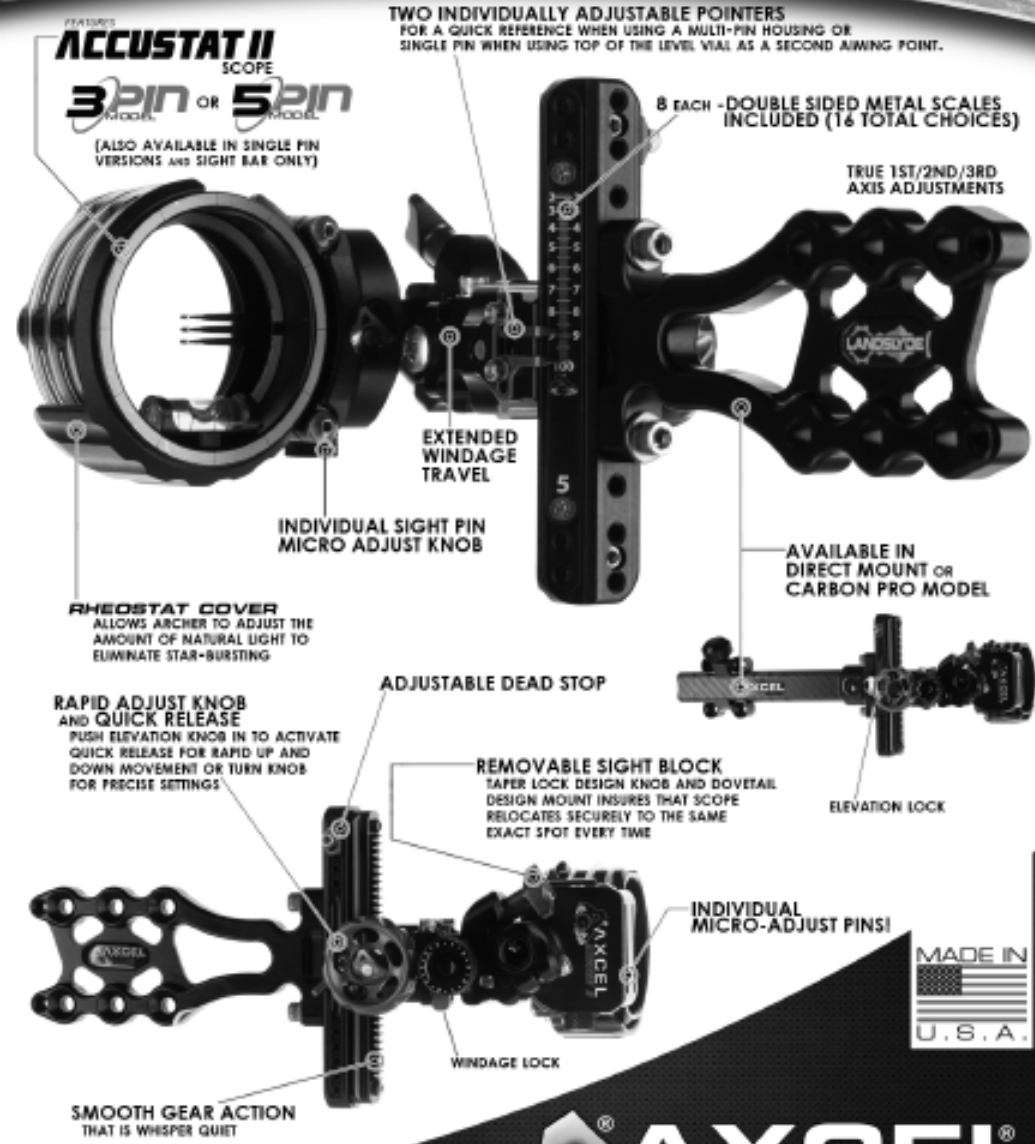
EXTENSION BAR MOUNT SCREWS

1ST AXIS MICRO-ADJUST SCREW

Leveling Device
(NOT INCLUDED)

LANDSLYDE

SLIDER SIGHT

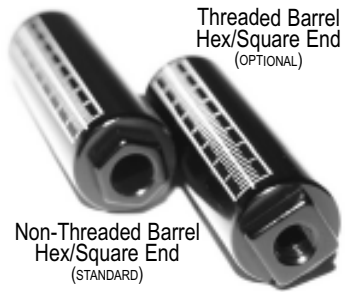


THE REAL #1
ANYONE CAN CLAIM IT. WE PROVE IT!

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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

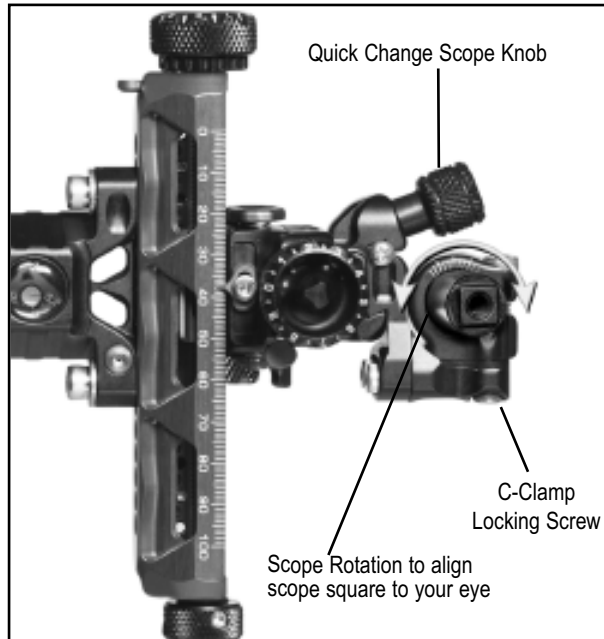
(OPTIONAL)

● **Threaded Barrel-**
Hex/Square end fits many scopes

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

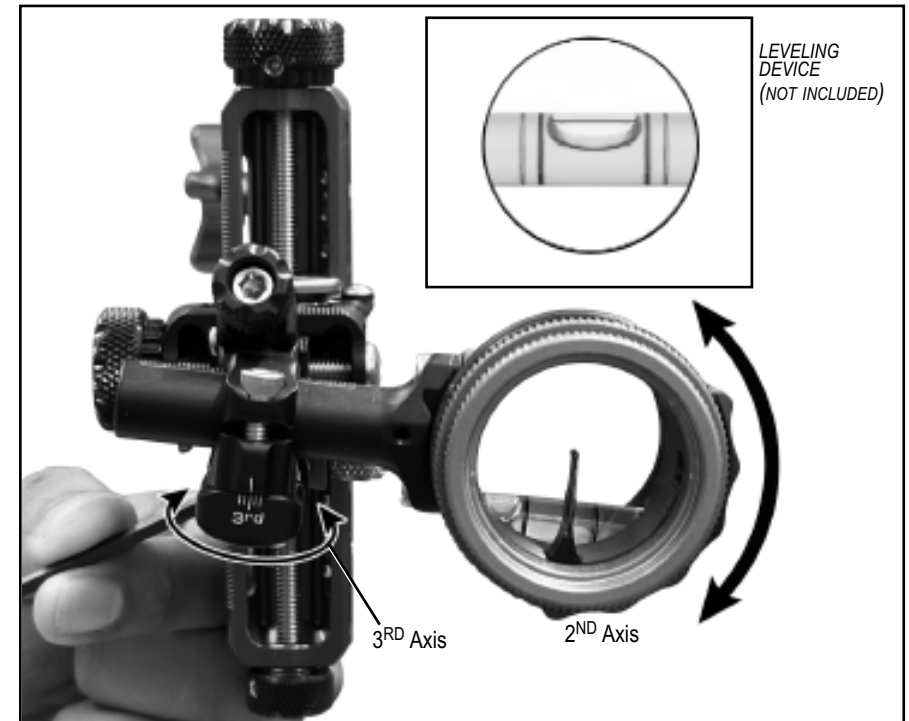


Rotate Scope by spinning barrel in c-clamp to align scope square to your eye.



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 with one screw snug-tight to bring the scope level. Then tighten the loose screw first and make sure that both the leveling device and the scope level are level at the same time. Insure that both 2nd Axis screws are 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.

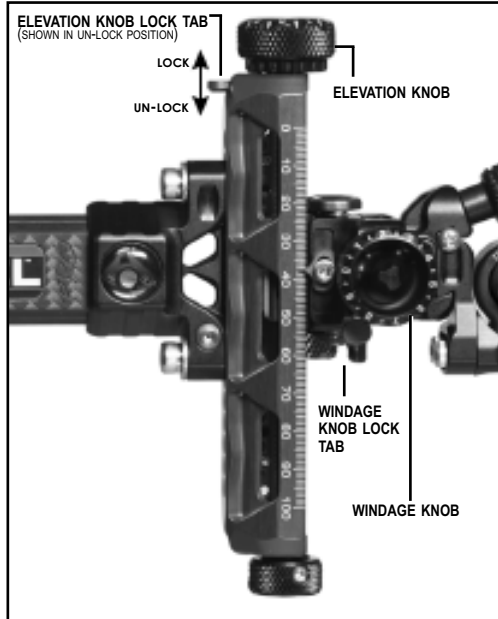
Insure that both 3rd Axis screws are securely tightened.

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

Installation & Adjustment Instructions

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

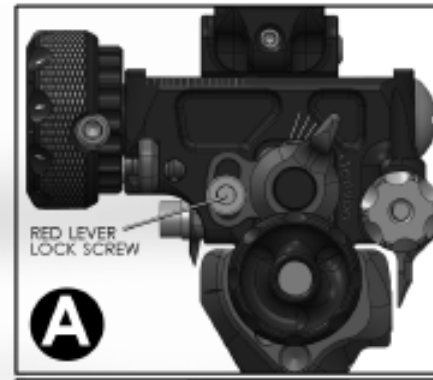
(.00156) in the tournament sight market place. To lock, lift Windage Knob Lock Tab. Push down to unlock.

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.

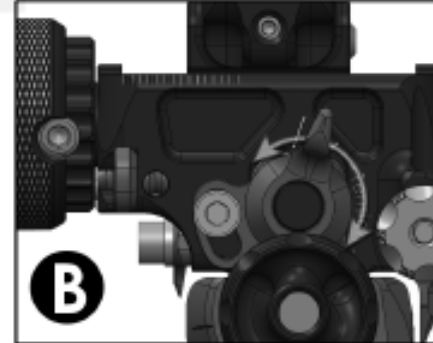
Maintenance

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®.

ELEVATION VARIABLE TENSION ADJUSTMENT



1. LOOSEN RED LEVER LOCK SCREW
 2. PULL DOWNWARD IN A CLOCKWISE DIRECTION.
 3. SLOWLY MOVE UPWARD IN COUNTER-CLOCKWISE DIRECTION UNTIL YOU CAN FEEL PRESSURE LIKE IT HIT BOTTOM.
 4. REPEAT FINDING THE EXACT LOCATION WHERE THERE IS FELT PRESSURE.
 5. MOVE UPWARD IN COUNTER-CLOCKWISE DIRECTION ONE LINE TO INSURE GIBS ARE CORRECTLY BALANCED FOR TENSION WITH NO BACKLASH.
 6. IF YOU PREFER STRONGER, TIGHTER TENSION THEN MOVE UPWARD IN COUNTER-CLOCKWISE DIRECTION ONE HALF LINE AT A TIME UNTIL YOUR DESIRED STRONGER TENSION IS ACHIEVED.
- NOTE: THE STRONGER THE TENSION THE HARDER IT IS TO SLIDE UP AND DOWN RAIL, BUT NO. 5 INSTRUCTION OF ONE LINE OF BALANCED TENSION MUST HAPPEN TO CORRECTLY TENSION GIBS.

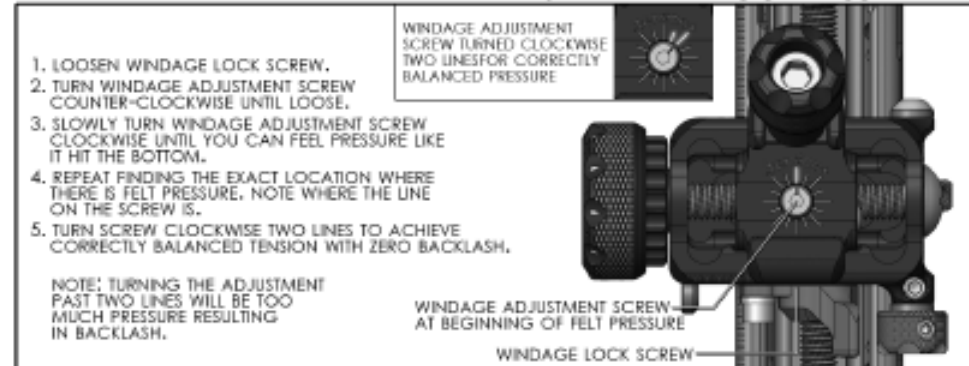


1. IF RED LEVER HAS REACHED THE END OF ITS TRAVEL IN THE STRONGER TENSION (COUNTER-CLOCKWISE) DIRECTION AND STILL LOOSE FEELING WITH NO FELT PRESSURE CHANGE ON THE RED LEVER, THEN REMOVE THE RED COVER AND FOLLOW INSTRUCTION C BELOW TO RE-INDEX RED COVER TO A NEW POSITION.



1. IF RED LEVER IS LOOSE FEELING WITH NO FELT PRESSURE CHANGE ON THE RED LEVER, THEN LIFT OFF THE RED COVER AND ROTATE COUNTER-CLOCKWISE DIRECTION AND INSTALL ONTO A NEW TOOTH.
 2. THE RED LEVER SHOULD NOW BE CLOCKWISE CLOSER TO THE MICRO-ADJUST YARDAGE POINTER KNOB.
 3. SLOWLY MOVE RED LEVER UPWARD IN COUNTER-CLOCKWISE DIRECTION UNTIL YOU CAN FEEL PRESSURE LIKE IT HIT BOTTOM.
 4. REPEAT FINDING THE EXACT LOCATION WHERE THERE IS FELT PRESSURE.
 5. MOVE UPWARD IN COUNTER-CLOCKWISE DIRECTION ONE LINE TO INSURE GIBS ARE CORRECTLY BALANCED FOR TENSION WITH NO BACKLASH.
 6. IF YOU PREFER STRONGER, TIGHTER TENSION THEN MOVE UPWARD IN COUNTER-CLOCKWISE DIRECTION ONE HALF LINE AT A TIME UNTIL YOUR DESIRED STRONGER TENSION IS ACHIEVED.
- NOTE: THE STRONGER THE TENSION THE HARDER IT IS TO SLIDE UP AND DOWN RAIL, BUT NO. 5 INSTRUCTION OF ONE LINE OF BALANCED TENSION MUST HAPPEN TO CORRECTLY TENSION GIBS.

WINDAGE VARIABLE TENSION ADJUSTMENT



1. LOOSEN WINDAGE LOCK SCREW.
2. TURN WINDAGE ADJUSTMENT SCREW COUNTER-CLOCKWISE UNTIL LOOSE.
3. SLOWLY TURN WINDAGE ADJUSTMENT SCREW CLOCKWISE UNTIL YOU CAN FEEL PRESSURE LIKE IT HIT THE BOTTOM.
4. REPEAT FINDING THE EXACT LOCATION WHERE THERE IS FELT PRESSURE. NOTE WHERE THE LINE ON THE SCREW IS.
5. TURN SCREW CLOCKWISE TWO LINES TO ACHIEVE CORRECTLY BALANCED TENSION WITH ZERO BACKLASH.

NOTE: TURNING THE ADJUSTMENT PAST TWO LINES WILL BE TOO MUCH PRESSURE RESULTING IN BACKLASH.

WINDAGE ADJUSTMENT SCREW— AT BEGINNING OF FELT PRESSURE

WINDAGE LOCK SCREW