



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 SIGHTS
 131 Crennel Dr., PO Box 1180
 Madison Heights, VA 24572

434-929-2800

WWW.AXCELSIGHTS.COM - INFO@AXCELSIGHTS.COM

ACHIEVE

XP

BY  **AXCEL**
 SIGHTS AND SCOPES

INCLUDES:

**COMPOUND
 AND
 RECURVE**



TECHNICAL MANUAL



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 Sights Parts Breakdown:



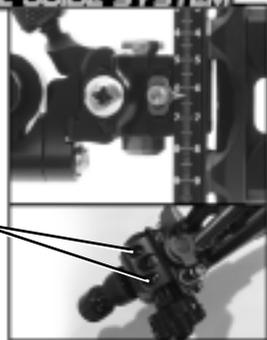
"VTS" (VARIABLE TENSION SYSTEM), PROVIDES A NEW ADJUSTMENT WHERE THE ARCHER PERSONALLY CHOOSES A DESIRED ELEVATION TRAVEL TENSION SETTING .

SHOWN WITH SLEEVE-LOCK BLOCK ACXP-RSB SOLD SEPARATELY

WINDAGE 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.



TOURNAMENT SCOPES

CHOOSE SCOPE STYLE

AV-41
41MM | 1-3/4" DIAMETER APERTURE
FITS 44.5 MM LENS
AV41 / DOC'S CHOICE LENS COMBO KITS

AV41-T
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 1-3/4" DIA LENS COMBO - "T" CONNECTOR

AV41-S
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 1-3/4" DIA LENS COMBO - SST #10-32 KIT

AV-41 PLUS
AV41-TSCPLUS

AV-41 STANDARD
AV41-TSCP

AV-41 STANDARD
AV41-SSCP

AV-31
31MM | 1-3/8" DIAMETER APERTURE
FITS 34.5 MM LENS
AV31 / DOC'S CHOICE LENS COMBO KITS

AV31-T
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 1-3/8" DIA LENS COMBO - "T" CONNECTOR

AV31-S
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 1-3/8" DIA LENS COMBO - SST #10-32 KIT

AV-31 PLUS
AV31-TSCPLUS

AV-31 STANDARD
AV31-TSCP

AV-31 STANDARD
AV31-SSCP

AV-25
25MM | 1-1/8" DIAMETER APERTURE
FITS 29 MM LENS
AV25 / DOC'S CHOICE LENS COMBO KITS

AV25-T
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 29MM DIA LENS COMBO - "T" CONNECTOR

AV25-S
SPECIFY POWER 2X, 4X, 6X, OR 8X
W/ DOC'S CHOICE 29MM DIA LENS COMBO - SST #10-32 KIT

AV-25 PLUS
AV25-TSCPLUS

AV-25 STANDARD
AV25-TSCP

AV-25 STANDARD
AV25-SSCP

CURVE RX RECURVE SCOPE

AC14-RX SCOPE ONLY W/ #8-32 ROD (NO FIBERS OR LENS)

AC14-RX19 W/ CT X-ZONE .019" DRILLED OX LENS

AC14-RX29 W/ CT X-ZONE .029" DRILLED OX LENS

AC14-RXP10 W/ .010" RING PIN - RHEOSTAT
CT X-ZONE .010" DRILLED OX LENS

AC14-RXP19 W/ .019" RING PIN - RHEOSTAT
CT X-ZONE .019" DRILLED OX LENS

AC14-RXP29 W/ .029" RING PIN - RHEOSTAT
CT X-ZONE .029" DRILLED OX LENS

SPECIFY FIBER COLOR GREEN - GR OR RED - RD

CURVE RX RECURVE SCOPE

AV14-RX

INCLUDED ONLY IN PRO MODEL OR SOLD SEPARATELY
-LONGER WRAP OF FIBERS IN THE FRP DESIGN SIGNIFICANTLY INCREASES BRIGHTNESS IN ALL FIBER SIZES
-FIBER AVAILABLE IN .010", .019", & .029" DIA., IN GREEN OR RED.
-EASILY ADJUSTABLE FROM RH TO LH

CURVE CX COMPOUND SCOPE

AC14-CX SCOPE ONLY NO RING PIN, RHEOSTAT COVER OR LENS

AC14-CXP10 W/ .010" FIRE RING PIN & RHEOSTAT COVER

AC14-CXP19 W/ .019" FIRE RING PIN & RHEOSTAT COVER

AC14-CXP29 W/ .029" FIRE RING PIN & RHEOSTAT COVER

SPECIFY FIBER COLOR GREEN - GR OR RED - RD

CURVE CX COMPOUND SCOPE

AV14-CX

INCLUDED ONLY IN PRO MODEL OR SOLD SEPARATELY
-LONGER WRAP OF FIBERS IN THE FRP DESIGN SIGNIFICANTLY INCREASES BRIGHTNESS IN ALL FIBER SIZES
-FIBER AVAILABLE IN .010", .019", & .029" DIA., IN GREEN OR RED.
-EASILY ADJUSTABLE FROM RH TO LH

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 RECURVE SCOPE

AV14-RXF

DESIGNED SHORT TO REDUCE SCOPE WALL VISIBILITY THAT OCCURS WHEN ADJUSTING THE SCOPE 3 WAYS TO 18 INCHES IN FIELD OF VIEW

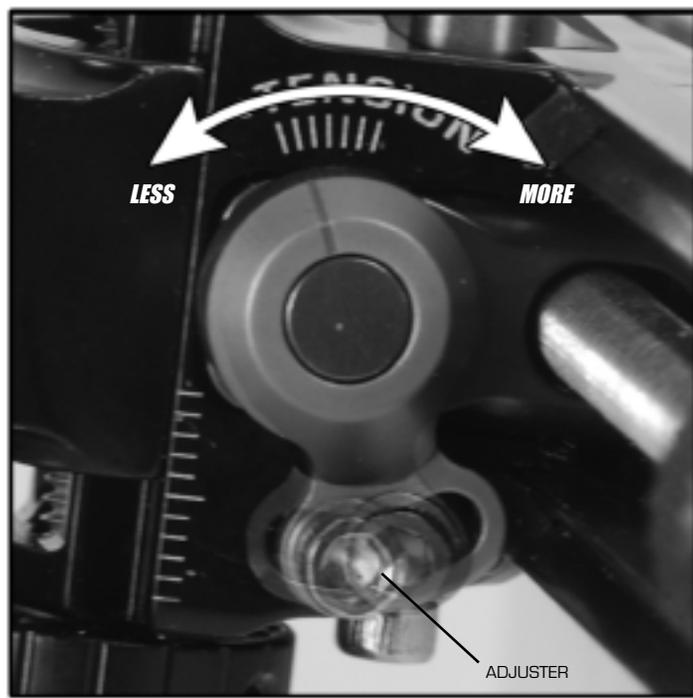
14MM TOURNAMENT SCOPES

CHOOSE COLOR	CHOOSE AIMING POINT	CHOOSE LENS AND RETICLES	OPTIONAL EXTRA ACCESSORIES	SHOOTER SIDE	TARGET SIDE			
<ul style="list-style-type: none"> BLACK [BK] RED [RD] BLUE [BL] GREEN [GR] PURPLE [PR] ORANGE [OR] 	AX41-RP _____ <small>FIBER SIZE - FIBER COLOR</small> 	DOCE CHOICE OPTICS AX41-CTDC-X <small>SMALL DOT - CLEAR</small> AXPR-LNRT-GY <small>SMALL DOT - BLACK</small> AXPR-SMDT-BK <small>LARGE WINDOW</small> AXPR-RDCL-BK <small>SMALL WINDOW</small> AXPR-RDCS-BK	<small>FORWARD RING</small> AVPR-SR41- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>FORWARD RING</small> AV41-TQIN-BK 	<small>FORWARD RING</small> AVPR-SR41- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>CROSSHAIR</small> AX41-CROS-BK <small>LARGE WINDOW</small> AVLL-BK 	<small>SPACER RING</small> AX41-RS 	
<ul style="list-style-type: none"> BLACK [BK] RED [RD] BLUE [BL] GREEN [GR] PURPLE [PR] ORANGE [OR] 	AX31-RP _____ <small>FIBER SIZE - FIBER COLOR</small> 	DOCE CHOICE OPTICS AX31-CTDC-X <small>SMALL DOT - CLEAR</small> AXPR-LNRT-GY <small>SMALL DOT - BLACK</small> AXPR-SMDT-BK <small>LARGE WINDOW</small> AXPR-RDCL-BK <small>SMALL WINDOW</small> AXPR-RDCS-BK	<small>FORWARD RING</small> AVPR-SR31- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>FORWARD RING</small> AV31-TQIN-BK 	<small>FORWARD RING</small> AVPR-SR31- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>CROSSHAIR</small> AX31-CROS-BK <small>LARGE WINDOW</small> AVLL-BK 	<small>SPACER RING</small> AX31-RS 	
<ul style="list-style-type: none"> BLACK [BK] RED [RD] BLUE [BL] GREEN [GR] PURPLE [PR] ORANGE [OR] 	AV25-FP10 _____ AV25-FP19 _____ 	DOCE CHOICE OPTICS AX25-CTDC-X <small>SMALL DOT - CLEAR</small> AXPR-LNRT-GY <small>SMALL DOT - BLACK</small> AXPR-SMDT-BK	<small>FORWARD RING</small> AVPR-SR25- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>FORWARD RING</small> AV25-TQIN-BK 	<small>FORWARD RING</small> AVPR-SR25- <small>GB - GREEN</small> <small>BI - PINK</small> <small>OB - ORANGE</small> <small>YL - YELLOW</small> <small>WH - WHITE</small> 	<small>CROSSHAIR</small> AX25-CROS-BK <small>CRADLE RING MODEL</small> AX25-CRNG-BK 	<small>SPACER RING</small> AX25-LR 	
<ul style="list-style-type: none"> BLACK [BK] RED [RD] BLUE [BL] GREEN [GR] PURPLE [PR] ORANGE [OR] 	AC14-FRP _____ <small>FIBER SIZE - FIBER COLOR</small> <small>INCLUDED ON PRO MODEL OR SOLD SEPARATELY</small> 	X-ZONE OPTICS AC14-CTXZ19-OXF0 <small>51" DRILLED LENS</small> AC14-CTXZ19-OX <small>52" DRILLED LENS</small> AC14-CTXZ29-OXF0 <small>53" DRILLED LENS</small> AC14-CTXZ29-OX <small>53" DRILLED LENS</small> WARNING: DO NOT USE A LENS WITH MAGNIFICATION IN A RECURVE SCOPE!	<small>REPLACEMENT APERTURE DISC SET (ALSO SOLD INDIVIDUALLY)</small> INCLUDES: a. CURVE RX O-RING - AX14-RXORING b. APERTURE DISC #1 ROUND (1/2") - AX14-RXAD1 c. APERTURE DISC #2 ROUND (7/16") - AX14-RXAD2 d. APERTURE DISC #3 ROUND (3/8") - AX14-RXAD3 e. APERTURE DISC #4 SQUARE - AX14-RXAD4 <small>LENS RETAINER</small> AX14-LR 	<small>WINDAGE COVER</small> AX14-RXRHEO 	<small>CURVE BRACKETS</small> AX14-SPCR-BK 	<small>SPACER RING FOR RETAINER</small> AX14-RPR-WH <small>BACK RING FOR BRACKET</small> AX14-RPR-BK 	WARNING: 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	
<ul style="list-style-type: none"> BLACK [BK] RED [RD] BLUE [BL] GREEN [GR] PURPLE [PR] ORANGE [OR] 	AC14-FRP _____ <small>FIBER SIZE - FIBER COLOR</small> <small>INCLUDED ON PRO MODEL OR SOLD SEPARATELY</small> 	DOCE CHOICE OPTICS AC14-CTDC-X <small>SMALL DOT - BLACK</small> AXPR-SMDT-BK <small>SMALL DOT - CLEAR</small> AXPR-SMDT-OR	<small>LENS RETAINER</small> AX14-LR 	<small>WINDAGE COVER</small> AX14-CXRHEO AX14-RXRHEO 	<small>CH LEVEL WAIL BRACKET</small> AX14-CXLVB-BK 	<small>REP ADJUSTMENT BRACKETS</small> AX14-CXPA32 AX14-CXPA39 	<small>DRILLED SCOREMARK</small> AX14-CXDLB <small>FOR USE WITH A SIGHT LIGHT WITH A DRILLED LENS</small> 	<small>CHISEL SCOREMARK</small> AX14-CXOSB 

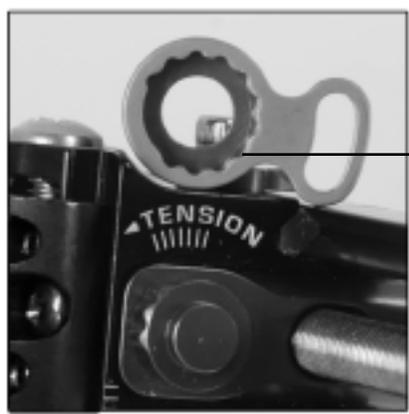
VTS Adjustment Instructions



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.

BLACK ONLY

SIEF VAN DEN BERG SIGNATURE SCOPE

SIEF
 YOUR PERFORMANCE IN EVERY LINE DEFINES YOU

SIEF QUALIFIED #1 FIRST TIER PRO FIVE STAR THE SCOPE IN INTERNATIONAL COMPETITION

ACHIEVE XP Accessories:

RECURVE ACCESSORIES

**RECURVE SLEEVE-LOCK BLOCK
ACXP-RSB
INCLUDED**



**RECURVE ALIGNMENT BLOCK
ACXP-RAB**

NEW FOR RECURVE SIGHTS!
ALIGN SCOPE TO YOUR EYE
(NO SHIMS NEEDED BETWEEN BOW AND SIGHT)
SOLD SEPARATELY



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:

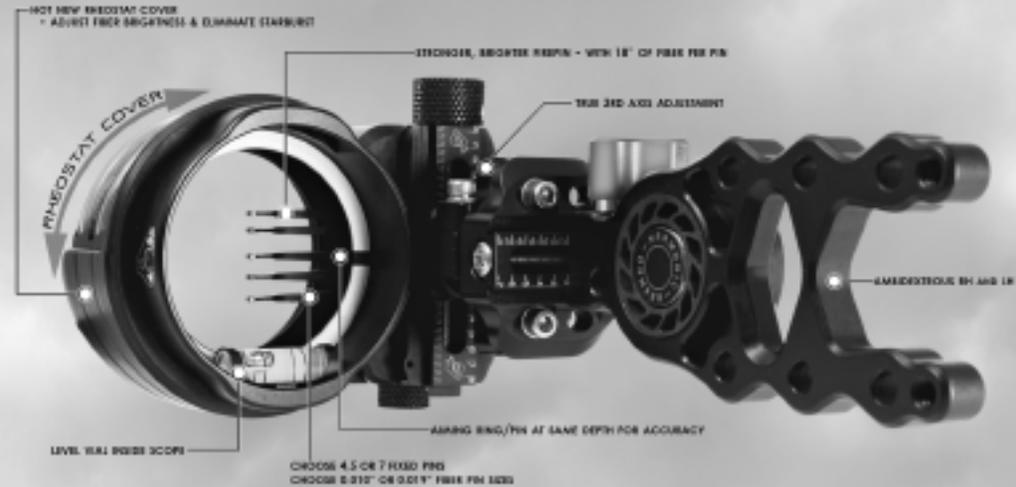
SIGHT TAPE #	
1-2	23-24
3-4	27-28
7-8	31-31
11-12	35-36
15-16	37-38
19-20	39-40

COMPOUND ACCESSORIES



ROCK SOLID DEPENDABILITY

THE ALL NEW RHEOTECH FIXED PIN SIGHT FROM AXCEL



RHEO TECH



AXCEL
SIGHTS AND SCOPES

FROM THE MAKERS OF **T.R.U. BALL**

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

www.axcelsights.com
434-929-2800

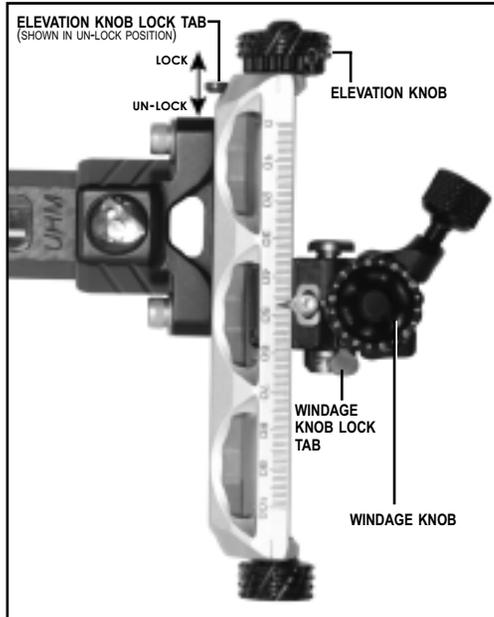
 We Make Archery Better!

 **MADE IN THE U.S.A.**

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 elevation 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®.

Installation & Adjustment Instructions

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

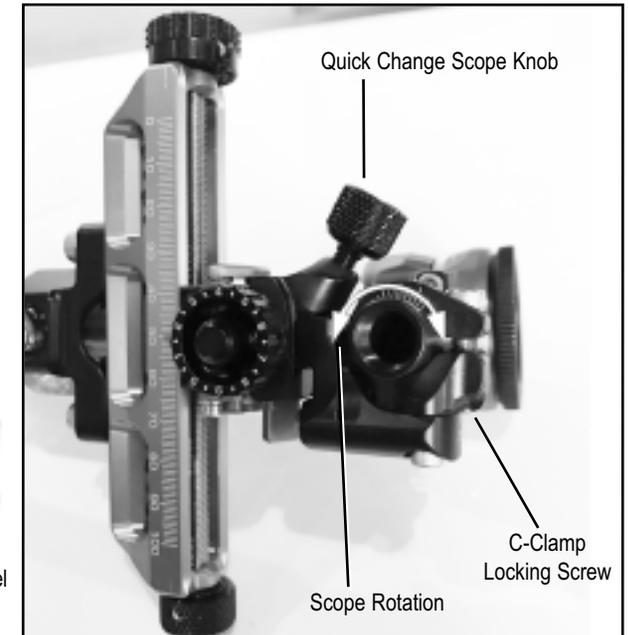
(OPTIONAL)

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

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

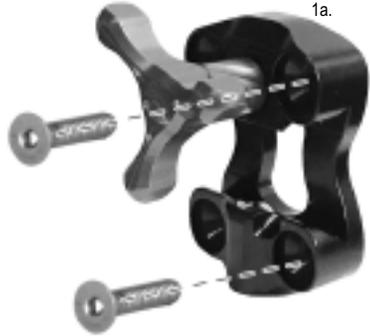


Rotate Scope by spinning barrel in c-clamp to align scope square to your eye.



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.

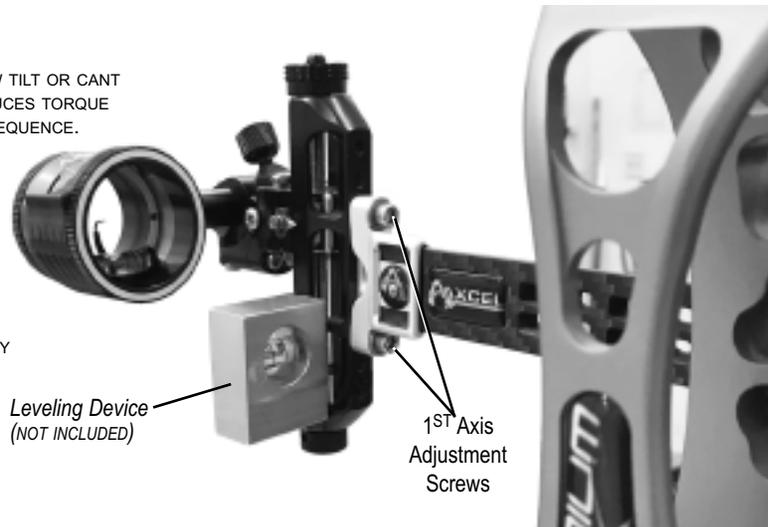


SETTING 1ST AXIS

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.

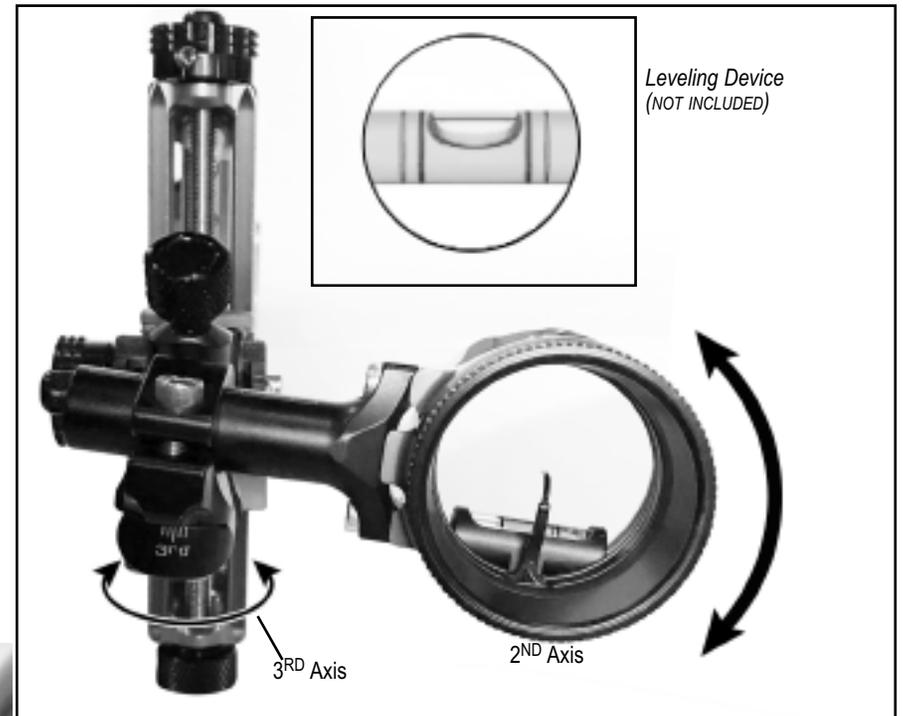
NOTE: NEVER DRY FIRE YOUR BOW AS IT MAY RESULT IN INJURY



Installation & Adjustment Instructions

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.)