

# THE ACCU TOUCH MULTI-PIN SLIDER SIGHT WITH ACCUCLICKS™, FEATURING ACCU-STAT

## PICK IT, CLICK IT, STICK IT!

With AXCEL's new patent-pending AccuTouch Slider Sight with AccuClicks™, you can Pick your target, AccuClick™ your yardage, and Stick It! We have borrowed technology from our Olympic Gold medal-winning tournament sights and toughness from our multi-time Best Buy-winning ArmorTech sights to make the most accurate slider sight ever built. The AccuTouch and Accutouch with AccuStat Scope are the Best of Both Worlds!

### STEP ONE: MOUNTING THE SLIDER SIGHT ON YOUR BOW

Use the included #10-24" x 3/4" Flat Head Socket Cap Screws to install the Bow Mount Bracket to your bow's riser. When determining which extension bar holes to use, you should consider that the farther you place the sight from the bow, the farther your AccuClicks™ will be from each other. If you experience that you want to shoot farther and you have run out of elevation travel, then you may choose to move the sight closer to the riser for greater range.

### FOR LEFT-HANDED SHOOTERS

Figure 1- Flip over the 2nd and 3rd Axis Block Combination by removing (A) 2 each #6-32" x 3/8" long Socket Head Cap Screws (SHCS) using a 7/64" hex wrench and re-install screws. Figure 2- Loosen the scope tube (B) #6-32" x 3/8" long SHCS screw, remove the Scope, and insert from the opposite direction so that the scope faces the correct direction for a left-handed bow; re-tighten. Figure 3- Then, remove the level vial bracket (C) #4-40" x 1/8" long SHCS using a 3/32" hex wrench and flip the Level Bracket to the bottom of the scope. Figure 4- Loosen the (D) scope retainer ring, turning counter-clockwise, remove the two red ring spacers, and carefully grab the ring pin, pulling outward from the base of the pin at an angle. Re-position to a desired location (Note: Insert the ring pin at an angle and insure the four location detents pins are aligned into the holes in the scope housing for horizontal or vertical positioning). Complete this step by adding the two red spacers (or include other options, such as a ring pin, a red spacer, and a lens) and secure by tightening the scope retainer in a clockwise direction.

### STEP TWO: LEVELING FIRST AXIS

This adjustment will insure your sight is accurate in the left and right direction from 20 yards to 120 yards Without the Need to Use Shims between your sight and bow riser!

Figure 2- Loosen two (E) #8-32" x 1/2" long SHCS with a 9/64" hex wrench. Figure 4- Square the Elevation Bar/Head to the bowstring to ensure dead center accuracy right to left or align the Elevation Bar/Head to your preferred canted hand position angle using a (F) Leveling Tool (not included). (Note- Adjustments are made easier by loosening the bottom and slightly loosening the top First Axis Socket Head Cap Screws and twisting the Elevation Bar/Head until it is level with the bowstring or your preferred canted angle.) When level, re-tighten the screws and re-check to ensure the Elevation Bar/Head is still level.

### STEP THREE: LEVELING SECOND AXIS

Figure 1- Loosen the (A) 2 each #6-32" x 3/8" long SHCS using a 7/64" hex wrench slightly on the 2nd axis block. Figure 5- Square the Scope to the Elevation Bar/Head by using a (G) Leveling Tool (not included). Twist the Scope Housing up and down until the (G) Scope Bubble is centered. (Note- Insure the Scope Level and Leveling Tool bubbles are centered at the same time.) When level, re-tighten the screws and re-check to ensure the second axis of the Scope is still level to the Sight.

### STEP FOUR: LEVELING THIRD AXIS

Ensure dead center accuracy when shooting up and down hills by leveling the third axis!

Figure 6- Loosen the 2 (H) #6-32" x 3/8" long SHCS screws using 7/64" hex wrench, and while using a Leveling Tool (not included), Figure 7- push the Scope Housing in or out until the Scope Bubble is centered when the Bowstring is 90 degrees from the horizon (vertical/static), tilted forward 45 degrees, and tilted backwards 45 degrees. Re-tighten and insure 1st, 2nd, and 3rd axis levels are maintained.

### STEP FIVE: WINDAGE ADJUSTMENTS

At a close distance, check your windage to insure that your arrow is hitting close to center. Figure 1- Release the (I) Red Windage Lock Pin by pushing it away from the (X) Windage Knob. Insure that the (J) Windage Block is centered in the middle of travel by turning the Windage Knob clockwise or counter-clockwise. Figure 2- Slide your scope tube in or out by loosening (B) #6-32" x 3/8" long SHCS to make large windage gang adjustments. Insure the scope is rotated to be aligned with your eye and re-tighten. Make fine click adjustments (.00156" per click) using the Windage Knob. Figure 1- Re-engage the (I) Red Windage Lock Pin by pushing in toward the Windage Knob to insure windage is locked. (Note: For Right-Handed Shooters, turn Windage Knob clockwise to move arrow left on target, or counter-clockwise to move arrow right on target. At 20 yds, each click is approximately equivalent to 1/32" of movement on the target.) If there is movement or play in the windage system, tighten the two 4-40 set screws (W) (set screws hidden by 2nd and 3rd axis) in 1/16 turn increments until desired pressure is reached and movement / play is gone. If tightened too much, the windage will lock up.

**WARNING: Do not adjust windage to the point that the (J) Windage Block reaches the end of its travel. This can cause the Windage Knob to back off of the threaded guide rod.**

### STEP SIX: ELEVATION GANG ADJUSTMENT

Determine the maximum yardage that you want to shoot, keeping in mind, faster speed bows use less elevation travel, while slower speed bows use more elevation travel.

Figure 2- Turn the (K) Rapid Elevation Knob until approximately 1/2" of the Delrin Elevation Rail is protruding above the top of the Elevation Bar/Head. It is best when your 20 yard mark is set to have this 1/2" measurement to insure that you have a full range of motion and to reach maximum yardage distances.

Figure 2- To make a gang adjustment and maintain the 1/2" measurement, loosen (L) two #6-32" x 3/16" long set screws using a 1/16" hex wrench in the Elevation Carriage and slide the Elevation Carriage up or down to align screws with machined scallops in the Delrin Elevation Rail; re-tighten. You are now ready to fine-tune your 20 yard mark and begin the process of selecting the most accurate sight scale tape for your bow set-up.

### STEP SEVEN: CHOOSING 'CHASER' PIN LOCATION

**A: Setting the 'Chaser' Pin in the Middle of the Scope for Accuracy:**

Figure 13- The AccuStat Scope is designed with a (V) Void of the Engraving in the center of the sight to signify the center of the scope. This (V) Void of the Engraving is the width of an individual sight pin. Move your Middle pin to align with the (V) Void of the Engraving by loosening the (Y) #3-48" x 3/8" long SHCS in the back of the pin two turns using a 5/64" hex wrench and turn the (Z) Leadscrew Knob at the bottom of the scope housing to move the pin up or down. When the Middle sight pin is in the middle, re-tighten screw (Y). **Do not overtighten.** Turn (Figure 2: K) Rapid Elevation Knob to sight-in yardages, using the Middle pin as if it was a single pin sight to choose the correct sight tape. See Step (8) below. After sighted-in using the Middle pin with the correct sight tape attached, then choose Middle pin Home position to make all other sight pin adjustments. EXAMPLE: For 10yd distances between pins, the Middle pin on a 3-pin scope would be 30yds (20,30,40yds), and for a 5-pin scope the Middle pin would be 40yds (20,30,40,50,60yds). The HOME position on the 3-pin scope would be 30yds on the sight tape, and the HOME position for a 5-pin scope would be 40yds. Use the Middle pin to set all AccuClicks™. See Step (9) below.

With the sight elevation in the HOME position, it is time to sight in each individual pin above and below the Middle pin, by loosening (Y) screw and turning (Z) Leadscrew Knob to move the individual pin. After the individual sight pin is sighted-in, then re-tighten (Y) screw. **Do not overtighten.**

Note that all pins above and below the Middle (Chaser) pin, are only good when the elevation is in the HOME position, mostly used in quick non-moving hunting situations. For Best Accuracy in tournament situations, it may be preferred to move (K) Rapid Elevation Knob for all yardages using the Middle pin on the target.

**B: Setting the 'Chaser' Pin as the Bottom Pin for extended yardage range:**

- An easy way to sight-in when using the Bottom pin as the Chaser pin, is to simply sight in pins by loosening the (Y) #3-48" x 3/8" long SHCS in the back of the pin two turns using a 5/64" hex wrench and turn the (Z) Leadscrew Knob at the bottom of the scope housing to move the pin up or down. Do not overtighten. HOME position is the elevation location where all pins were sighted in. Simply measure the distance from the top to bottom pin and choose the sight tape with that same distance. If folded before attaching, the sight tape can easily overlay the sight pins to assess whether the sight tape is correct before attaching to the sight. Align the correct sight tape with the (M) Red

Pointer when attaching the sight tape to the sight.

Note that when using the Bottom pin as the (Chaser) pin, all distances beyond the Home location are achieved using the Bottom (Chaser) pin, and all distances above the Bottom (Chaser) pin are achieved using the individual pins when the elevation is in the HOME position.

- Another method to sight in would be to turn (Figure 2: K) Rapid Elevation Knob to sight-in yardages, using the Top pin as if it was a single pin sight to choose the correct sight tape. See Step (8) below. After sighted-in using the Top pin with the correct sight tape attached, then align the Top pin with the yardage distance chosen for that specific pin. This is Home position. EXAMPLE: For 10yd distances between pins, the Top pin on a 3-pin scope would be 20yds (20,30,40yds), and for a 5-pin scope the Top pin would be 20yds (20,30,40,50,60yds).

With the sight elevation in the HOME position, it is time to sight in each individual pin below the Top pin, by loosening (Y) screw and turning (Z) Leadscrew Knob to move the individual pin. When the individual sight pin is sighted-in, then retighten (Y) screw. **Do not overtighten.**

Note that the pins above the Bottom (Chaser) pin, are only good when the elevation is in the HOME position, mostly used in quick non-moving hunting situations. Using the Bottom pin as the Chaser pin provides the longest yardage opportunity. When using the Bottom pin as the (Chaser) pin, adjust an AccuClick™ for HOME position of the Bottom pin and for all other yardages greater than the HOME location of the Bottom pin. See Step (9) below.

**\*Note: AccuClicks™ must be set for HOME position and for whatever pin you choose as your 'Chaser' Pin. To be able to attain further distances, you may want to consider using the Bottom Pin as your 'Chaser' Pin.**

#### **STEP EIGHT: FINDING THE MOST ACCURATE SIGHT SCALE TAPE**

With slider sights of the past, you were required to find two fixed yardages of 20 yards and 60 yards, while others also required you to sight in 30 yards and 60 yards. For many shooters, it is impossible to find a range to shoot 60 yards or finding an accurate 60 yard pin location takes a long time. For many other average shooters, a 60 yard shot will result in a group the size of a pie plate, leading many to question the accuracy of the sight tape. The AccuTouch Sight changes that forever!

Figure 8- Your sight comes with a white sight scale tape installed. Sight in your 20 yard mark and insure the (M) Red Sight Scale Pointer is near the top of the white tape (by loosening, locating, and re-tightening the #4-40" x 3/16" long SHCS using a 3/32" hex wrench). Use a pencil or pen to mark the white tape at your 20 yard position. Then, step back to whatever yardage where you feel comfortable (30, 40, 50, 60, etc) and mark the Red Sight Scale Pointer position on the white tape. When you are confident that your two marks are accurate, compare the marks on your white tape to the pre-printed sight scales included in your package and choose the closest scale to your sighted distances. Turn your Rapid Elevation Knob back to the 20 yard mark on the white tape. Figure 2- Tighten the (N) Red Tension Lever to insure no movement until your accurate Sight Scale Tape is installed. Remove the white tape. Cut out the correct scale, peel backing, and place the accurate Sight Scale Tape under the Red Pointer where the 20 yard mark is aligned perfectly with pointer. Now, go back and check your sight at each distance of 20 yards, 30, 40, 50, etc. on the Sight Scale Tape to insure accuracy before proceeding to the next step.

#### **STEP NINE: THE POWER OF ACCUCLICK™ TECHNOLOGY - SETTING ACCUCLICKS™ FEEL**

The AXCEL™ AccuTouch Slider Sight brings the accuracy of a single pin tournament sight to the efficiency of a multi-pin hunting sight.

Figure 10- Move your (O) Ball Détente Pointer as close to the Red Sight Scale Pointer or as close to the top of the sight as possible to insure maximum range of AccuClicks™. Before adjusting the positions of the installed AccuClicks™, set your preferred feel of the click by rotating the Ball Détente Pointer toward the AccuClicks™ or away from them. Use a 5/64" hex wrench to make adjustments. Rotating closer to the AccuClick™ creates a stronger click feel. Rotating away from the AccuClick™ creates a lighter click feel. Now, move the Large Gang Elevation Slider Knob up and down to feel AccuClicks™, insuring that the click is desirable; re-tighten to insure that the Détente Pointer will not move. If you choose to use AccuClicks™ on both sides of the Elevation Bar/Head, then repeat Step Eight on the opposite side.

#### **STEP TEN: THE POWER OF ACCUCLICK™ TECHNOLOGY - SETTING ACCUCLICKS™ LOCATION**

Due to the closeness of yardage marks when bow speed is +290fps, or if you choose to set your AccuClicks™ in 5 yard increments, then AccuClicks™ will need to be used on alternating sides of the Elevation Bar/Head. Figure 10- Use a 1/16" hex wrench to adjust the (P) AccuClicks™. Loosen the screw, move the AccuClick™ under the (O) Ball Détente Pointer when in the desired yardage position, re-tighten. **Do Not Overtighten.** Additional AccuClicks™ are available if you desire more AccuClick™ yardage positions (sold separately).

#### **STEP ELEVEN: RED ELEVATION ADJUSTABLE TENSION LEVER**

Adjust YOUR Sight Elevation Tension YOUR Way!!!

Figure 2- Adjust the amount of tension on your (K) Rapid Elevation Knob with a simple lever. You choose the amount of tension you prefer. Rotate the (N) Red Tension Lever clockwise for more tension and counter-clockwise for less tension. Rotating the Red Tension Lever to the furthest clockwise position provides enough tension to give you peace of mind that your sight will not move. **It is recommended to rotate the Red Tension Lever in the counter-clockwise direction to reduce maximum tension before making elevation adjustments.**

Figure 2- After significant wear is realized, or if the tension is too light after turning the Red Tension Lever in the clockwise direction all the way to the stop, then use a 3/32" hex wrench to loosen the (Q) #4-40" SHCS. Rotate the (N) Red Tension Lever clockwise to move the (R) Tension Adjustment Plate in the clockwise direction which creates more tension. Then, tighten the #4-40" SHCS and forcefully rotate the (K) Rapid Elevation Knob so that the elevation movement travels all the way to the top and the bottom, imprinting a renewed knurling pattern footprint into the Delrin Elevation Rail. Finally, rotate the (N) Red Tension Lever counter-clockwise, and you are as good as new. **YOU choose the tension YOU desire!**

#### **STEP TWELVE: MOUNTING A QUIVER (QUIVER OPTIONAL)**

Figure 11- Two (S) #10-24" tapped holes are standard in fixed-mount dampened and non-dampened extension bars on the AccuTouch Slider Sight.

Figure 12- For Pro Series dovetail extension bar sights, a (T) Quiver Adapter is included in the package. To mount the Quiver Adapter, use two each (U) 1/4-20" x 3/4" SHCS, using the two open holes in the Bow Mount Bracket.

#### **AccuClicks™ WARNING!**

If AccuClick™ is removed, make sure the nylon disc on the bottom of the AccuClick™ does not fall out. If the nylon disc has fallen out, use \*AccuClick™ Installation Instructions listed below. Failure to use provided delrin ball could result in cosmetic clinch marks on rail. T.R.U., Inc. will not be held liable for damage caused by improper installation. \*AccuClick™

- Installation Instructions:**
1. Slide AccuClick™ into desired position on rail.
  2. Drop small white delrin ball into threaded hole of AccuClick™.
  3. Insert provided screw and tighten down until snug. **Do Not Over-Tighten!**

#### **OPTIONAL ACCESSORIES (SOLD SEPARATELY)**

\*White Sight Light (AXAT-SL) Rheostat Sight Light with White Bulb to better illuminate red, yellow, and green color fibers. Scope tube accepts 3/8-32" thread size sight lights.

\*Blue Sight Light (AXAT-SL-BL) Rheostat Sight Light with Blue Bulb to illuminate blue fiber only. Scope tube accepts 3/8-32" thread size sight lights.

\*Scope Cover (AXSC-BK)- When using your AccuTouch Slider Sight on a Spot-n-Stalk hunt, purchase a Scope Cover to protect the sight pin in the scope housing.

\*Clear Target Doc's Choice Lenses (AX31-CTDC-"specify power" fits a AV31 Scope) and (AX41-CTDC-"specify power" fits a AV41 Scope). Available in 2X, 4X, 6X and 8X powers.

\*Additional X-31 Ring Pin Choices (AX31-RP10-"specify color" with .010 fiber size fits X-31 Scope) (AX31-RP19-"specify color" with .019 fiber size fits a X-31 Scope). Colors available include Green, Red, Yellow, and Blue.

\*Additional X-41 Ring Pin Choices (AX41-RP10-"specify color" with .010 fiber size fits X-41 Scope) (AX41-RP19-"specify color" with .019 fiber size fits a X-41 Scope). Colors available include Green, Red, Yellow, and Blue.

\*Fibers (AXAT-F2F19-"specify color") (AXAT-F2F10-"specify color"). Sold only in 24" lengths with colors available including Green, Red, Yellow, and Blue.

\*X-31 and X-41 Hooded Retainers (AX31-HLR fits X-31 Scope) (AX41-HLR fits X-41 Scope). A hooded retainer provides shade from the sun/glare and greater protection for your pin.

\*Slider Windage Offset – between head and extension bar (ACUT-WOB)

\*Second Axis Offset Bracket (ACUT-OB)

\*Upgrade to a Plus Model Scope by adding: Crosshair (AV\_1-CROS-BK), Torque Ring Indicator (AV\_1-TQIN-BK), and Rheostat Cover (AV\_1-RHEO-BK)

\*Sunshade (AV\_1-SNSHD-BK)\*\*Must be used with Torque Ring Indicator\*\* and Hooded Lens Retainer (AX\_1-HLR-BK) may also be added

Figure 1

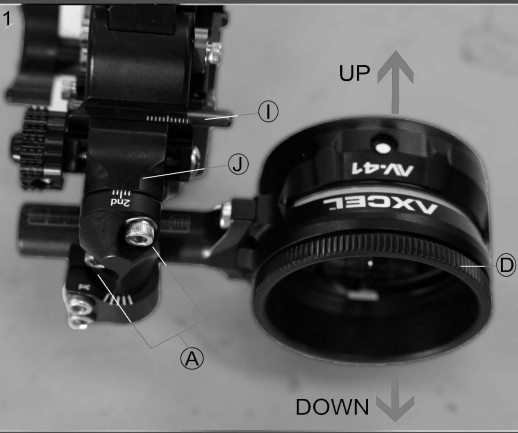


Figure 2

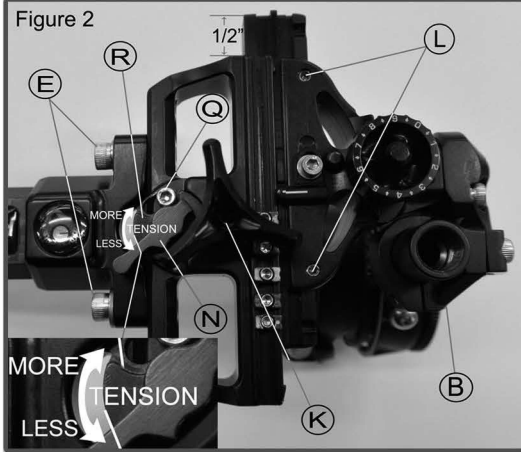


Figure 3

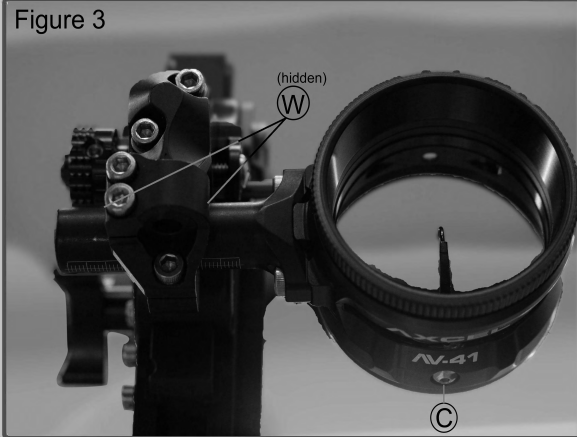


Figure 4

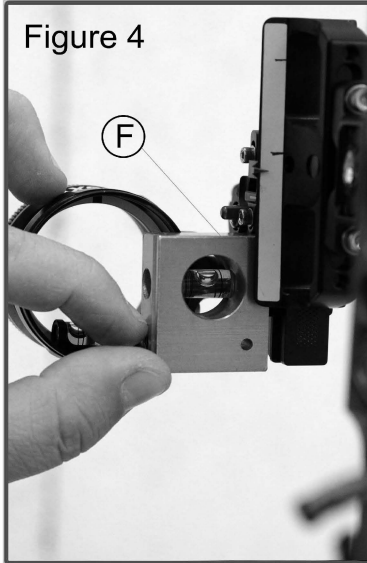


Figure 5

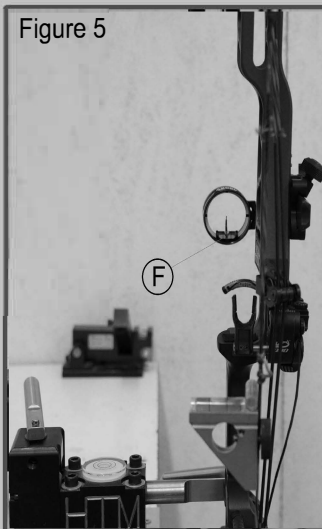


Figure 6

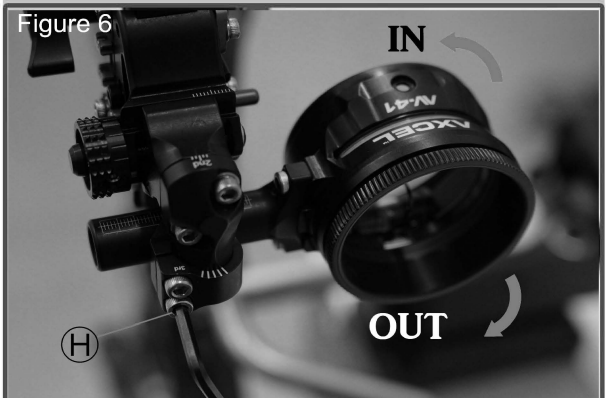


Figure 7  
Static

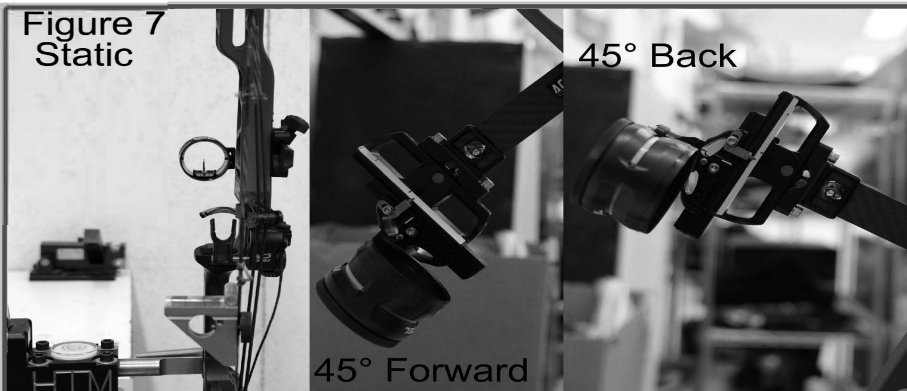


Figure 8

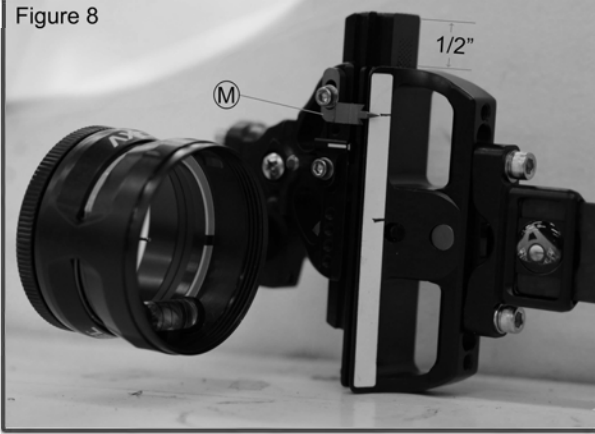


Figure 9



Figure 10

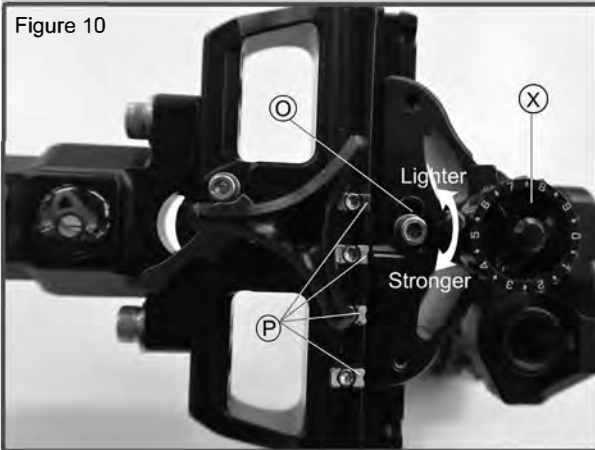


Figure 11

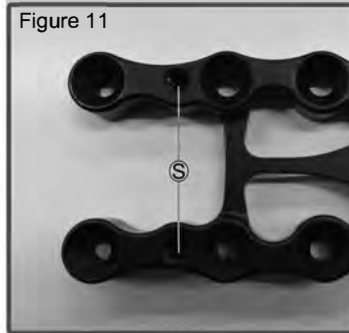


Figure 12

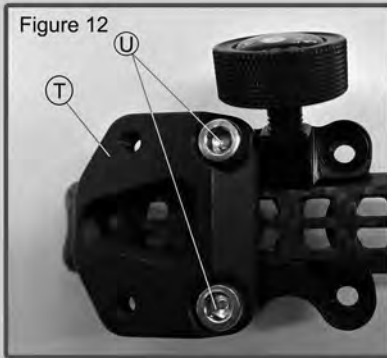


Figure 13

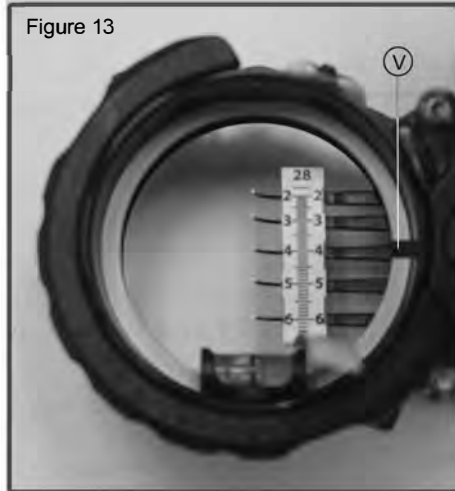


Figure 14

