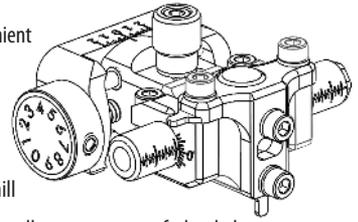


Tubular Armored 3rd Instructions

The tubular armored 3rd (US Patent #7,331,112)- with split block design for convenient removal and precise reattachment goes far beyond conventional two-axis leveling. Two-axis leveling only addresses the adjustment made between the sighting aperture level and sight frame, which only ensures consistent arrow impact while shooting on level ground.



By adjusting the 3rd axis you can eliminate right and left impacts on up and downhill

shots, as well as achieve consistent shots on level ground. This additional adjustment allows movement of a leveled aperture toward or away from the bow. Only when the aperture is adjusted both square with the path of an arrow (from a top view) and square with a vertical sight frame, can this be accomplished.

Adjustments are easy and accurate with SURE-LOC levered "Cam-Assist Control."

The tubular armored 3rd uses our armored scope rod holder design, enclosing the entire threaded rod under tension between the scope and the jam nut. This minimizes the flexing of the scope rod and its chance to break. With the scribed marks on the armored rod, you have a very convenient reference for large windage moves without rotation.

Note for SURE-LOC scope owners: Only use the tube supplied with our scope!

Use additional tubular armored 3rd with your other apertures for different shooting conditions or as backup. Then easily change blocks to keep from re-leveling your scope.

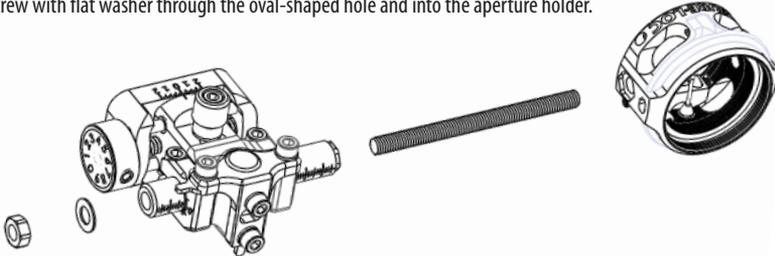
Attaching holder to the sight

Loosen the leveling block assembly knob (LBA knob) on the attachment so the "V-shaped" split block can be matched to the "V" on the sight's windage block. Tighten the LBA knob clockwise until finger tight. Use light pressure for no more than 1/8 of a turn.

Assembly detail

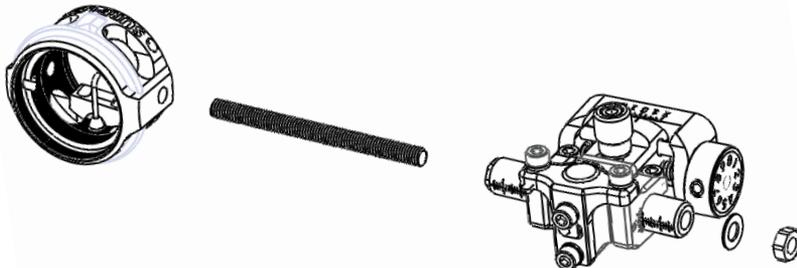
The tubular armored 3rd comes assembled right-handed. See left-handed use instructions, if necessary.

The 3rd axis support bracket is attached to a split-block using socket head screws. The oval-shaped hole on the bottom allows the 3rd axis holder to be rotated within a limited range. A second socket head screw with flat washer locks the 3rd axis holder. The 3rd axis pivot hole is positioned toward the scope side of the sight while the 3rd axis oval-shaped hole is away from the scope. The armored aperture holders are attached to the 3rd axis support bracket by a locking screw with lock washer through pivot hole and a locking screw with flat washer through the oval-shaped hole and into the aperture holder.



Left-Handed use:

Loosen the two clamp screws then remove the tube and invert it. Then re-tighten clamp screws.



Attaching a SURE-LOC scope

1. Set the windage adjustment on your sight to the middle of the adjustment range.
2. Attach the tubular armored 3rd to your sight.
3. Thread the scope rod into the scope body and slide the hex end of the tube onto the scope body aligning the laser etching to face the lens side of the scope body.
4. Install Serrated washer and nut onto the round side of the tubular armored with hex end.
Tighten the nut and seat the hex tube into the hex pocket.
5. You are now ready to level your scope to the sight. See manual 3rd axis leveling instructions or use our Leveling Device to simplify your set-up.

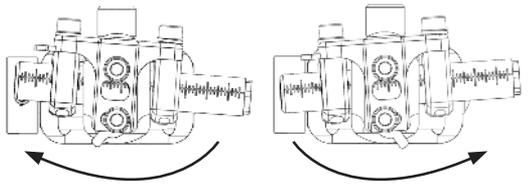
Attaching non-SURE-LOC scopes

1. Loosen and pivot the tube to square the scope with the sight.
2. Screw #10-32 nut onto the end of the threaded rod and tighten.
3. Slide the scope to the desired location and tighten the clamping screws.
4. You are now ready to level your scope to the sight. See manual 3rd axis leveling instructions or use our Leveling Device to simplify your set-up.

Windage adjustment

Small adjustments: Simply use the windage adjustment knob on you SURE-LOC sight. Each click will move .002".

Large adjustments: Loosen the 2 hex screws in the clamp above the hex tube with a 7/64" hex wrench. Slide the hex tube left or right, depending on the impact of your arrow.



2-Axis leveling techniques

Hold the sight frame in a true vertical position using a good carpenter's level. A vertical object known to be square, such as a door edge or frame, can work well also. Loosen the locking screws and rotate the aperture level to the square position and re-tighten screws. the SURE-LOC leveling device can also be used for two-axis leveling and is portable, too.

3-Axis leveling - manual technique

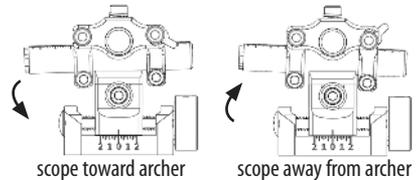
1. Two-axis leveling must be established first.
2. 3rd axis leveling should be set by visually setting the scope approximately square with the arrow (looking down from directly above the sight), and securing the locking screws.
3. Shoot test arrows for centerline arrow impact on severe up or down hill shots. **(Do not adjust the windage in case of a centerline miss on these shots!)**
4. Note that the centerline miss adjustments are opposite for right- and left-handed use. Loosen the 3rd axis screws and adjust in the following manner:

Right-Handed:

- A consistent downhill miss to the right or an uphill miss to the left indicates the scope should be moved toward the bow.
- A consistent downhill miss to the left or an uphill miss to the right indicates the scope should be moved away from the bow.

Left-handed:

- A consistent downhill miss to the right or an uphill miss to the left indicates the scope should be moved away from the bow.
 - A consistent downhill miss to the left or an uphill miss to the right indicates the scope should be moved toward the bow.
5. Re-tighten the locking screws. Adjusting in this manner will not affect your impact on level ground.
 6. Repeat steps 3-5 until correct center shots impact is attained.



SURE-LOC[®]
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