

Element_{TL} Technical Guide

Welcome

Welcome to the Stanislawski® family. We've been making the world's finest release aids since 1970 and we appreciate your trust. This technical guide covers the Element_{TL} which uses our Smokin' X™ searing mechanism. It is important to read these instructions thoroughly before using your release aid as improper use can result in injury. We are sure our equipment will help you get the most out of your archery experience and are here to answer any questions you may have about your new release.

Some Release Aid Safety and Care Tips

- Always draw your bow pointed at a target.
- Always assume the shot could activate at any time.
- Never draw your bow without an arrow on the string. Accidental release could dry fire your bow and damage your equipment.
- After any release aid adjustments, test the release before drawing your bow with it.
- Always draw your bow away from your face. Accidental release could result in facial injury.
- Always inspect your release and your D-loop before shooting. Replace any components that show wear immediately before shooting.
- Keep your release dry and free of debris.
- Never disassemble your release, it will void your warranty and can be dangerous. If it needs service, contact the STAN® Customer service department at 315-258-9269 and we will take care of you immediately.
- Never lubricate your release aid. EVER.
- **Never adjust screw F as identified in Figure 3.**

How the Element Works

The Element is a resistance style release aid. You set it to your holding weight, plus some differential (see below), then lock the sears by pulling back on the safety lever and keeping the safety lever drawn back through the entire draw cycle. Once you get to full draw, release the safety lever to unlock the sears. At this point, the release is ready to fire. To fire it, you add weight by pulling back as though you were trying to draw the bow back even further. The release will fire as soon as you overcome the firing differential (see below). The best way to achieve a perfect shot is to use backtension.

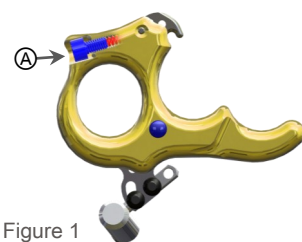


Figure 1

Activation Tension versus Firing Differential

Activation Tension refers to the amount of pressure required to activate the device while at full draw. If your holding weight is 18 pounds and you want to require 2 pounds of pressure to activate the release, you would set the activation tension to 20 pounds. If your holding weight is 22 pounds and you want to require 2 pounds of pressure to activate the release, you would set the activation tension to 24 pounds. Firing differential is defined as the difference between the activation tension and the holding weight of your bow. In both of the previous example, the firing differential is 2 pounds.

Initial setting

You will need a 5/32 allen key for this adjustment. The screw identified as A in Figure 1 is the adjustment screw used to alter the activation tension and is referred to as the “activation tension set screw”. Turn it clockwise to make the tension required to activate the release heavier, turn it counter clockwise to make it lighter.

Identifying the optimal setting for your new STAN® Element_{TL} is easy. Slowly turn the activation tension set screw clockwise until you feel it bottom out. It is important not to apply much force because over tightening this screw can cause damage to one of the internal components. Next, back the same screw off about 1 full turn of the screw. At this point, the release should be set at a very heavy activation tension, heavy enough to require that you apply well above average pressure to get it to fire.

Next, nock an arrow, attach your release, apply firm rearward pressure to the safety lever (Figure 1 Item XXXX) and draw your bow back and settle in at full draw being very careful to aim at a safe, inanimate target. **It is VERY**

important to maintain firm rearward pressure to the safety lever during the entire draw cycle, taking pressure off this lever during the draw cycle will fire the release and can result in personal injury and or property damage. It is not important to try to use backtension at this point as you are only seeking a “rough” setting. It is best at this point to just pull through the shot and force your setup to fire so you can get an idea of how much lower you want the activation pressure.

If you can't get it to go off with reasonable effort, back the screw off another full turn. Back the screw (Item A, Figure 1) out counter clockwise 1/4 of a turn, then fire your setup again. Repeat this process until the activation pressure approaches a setting you are comfortable with. As you approach this setting, start making the adjustments finer and finer, usually at 1/8 of a turn, and use proper backtension to activate the release mechanism.

It won't be long before you find the release firing too easily for your liking, perhaps even just after releasing the safety lever. At this point, add to the pressure with about a 1/16 of a turn of the adjustment screw. Your release is set to start using and getting used to. You may find that over time you will want to try heavier and lighter settings, make adjustments as needed to accommodate.

CAUTION - Be careful not to adjust the tension so light that the release goes off accidentally, this release can be set light enough that even the lightest action can activate the mechanism. Accidental activation can cause serious injury to yourself and to others. After each adjustment, test the setting with caution and attention to possible accidental activation for at least 10 consecutive shots.

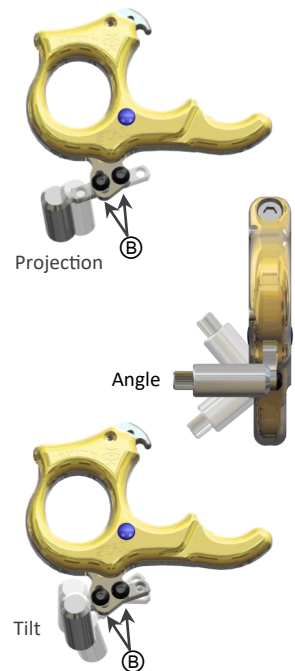


Figure 2

Adjusting the thumb knob

You will need a 5/64 allen key for this adjustment. The thumb knob on your new STAN® is fully adjustable for projection, angle, and tilt. To adjust the projection you will note that the trigger post has three holes, but only requires two to secure it to the trigger with the screws identified as items B in Figure 2. You use the two holes closest to the threads to minimize the projection and the two holes furthest from the threads to maximize it.

To adjust the angle of the knob, loosen (counter clockwise) the set screw in the thumb knob noted as item C in Figure 3. The knob will rotate semi freely. Rotate the knob about the trigger post and orient it to your liking. It is not important that the thumb knob be perpendicular to the release aid, in fact, most prefer a slight angle. When you have found the setting you prefer, tighten the set screw to secure the knob in place.

To adjust the tilt, loosen the two button head cap screws noted as items B in Figure 2. Next, tighten the screw not in the curved slot enough to provide nominal resistance to prevent the thumb lever assembly from swinging freely. Adjust the tilt until you feel it is most comfortable to you, then tighten both button head cap screws down securely.

Use of the Trainer Lock™ Pin

The Trainer Lock™ pin is a training and practice aid that allows you to safely draw your bow confident in the knowledge that it will not go off unintentionally. The pin interferes with the free movement of the hook while allowing the rest of the mechanism to function normally. When the Trainer Lock™ pin is installed, you will hear the click of the mechanism when you activate it but the hook will not open. To install the Trainer Lock™, remove it from its storage space identified in Figures 3 and 4 as D and screw it into the hole noted as E. The side you install it in depends on your comfort as a left or right handed archer.

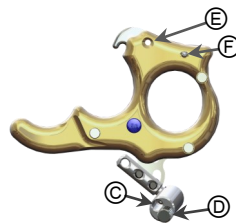


Figure 3

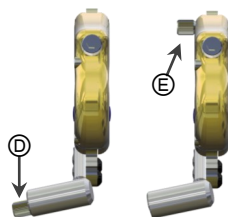


Figure 4