

PerfeX_{RESISTANCE} Technical Guide

Welcome

Welcome to the Stanislawski® family. We've been making the world's finest release aids since 1970 and are proud to offer the first truly perfect release aid platform. Whether you chose resistance or thumb activated triggers, with the PerfeX platform you will have the exact same fit and anchor point and can alternate between each style without any modification to your shot. 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

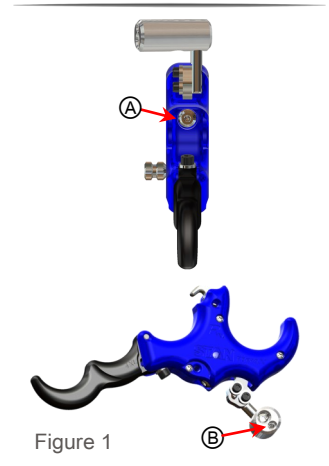
- Always draw your bow pointed at a target.
- Always assume the shot could activate at any time.
- Never draw your bow without an arrow on the string. Accidental release could dry fire your bow and damage your equipment.
- After any release aid adjustments, test the release before drawing your bow with 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 RELEASES**, 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.**

How the the PerfeX_{RESISTANCE} Works

As the name suggests, this is a resistance activated 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 (Figure 1 item B) 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. The best way to achieve a perfect shot is to use backtension.

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.



Setting the activation tension

You will need a 5/64 allen key for this adjustment. The screw identified as A in Figure 1 is the screw used to adjust 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 PerfeX_{RESISTANCE} is easy. Slowly turn the activation tension set screw clockwise until you feel it bottom out. 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 B) 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.** Once you have reached full draw, settle into your anchor, then pull backwards as if to continue drawing the bow. You may be surprised at how much force is required to activate the release at this point. It is not important 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 to set the activation pressure.

Back the activation tension set screw off another 1/4 of a turn, then try to 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 in 1/8 of a turn increments. Once you start to get close to the setting you are comfortable with, begin using proper backtension to activate the release mechanism.

It won't be long before you find the release firing to easily for your liking, perhaps even just after releasing the safety lever. At this point, add to the pressure with about a 1/16 clockwise turn of screw A in Figure 1. At this point, 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.

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, tilt and center. There are five differing trigger post lengths, to change them, remove the screws noted as item C in Figure 2 and loosen (counter clockwise) the screw noted as item D in Figure 3. When you loosen screw D, be careful not to lose the locking slug that goes between the screw and the trigger post. Locate the trigger extension you want to use and attach it to your release using screws C. To reattached (or to change which size) thumb knob, insert the trigger post in the thumb knob hole you prefer (center or outboard), slide the locking slug into the hole where screw D fits (make sure the curved end faces the trigger post), then secure it against the trigger post with screw D.

To adjust the angle of the knob, loosen (counter clockwise) the set screw in the thumb knob noted as item D in Figure 3. The knob will rotate freely and will fall off if you do not support it so pay close attention when you are performing this task. 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 (clockwise) the screw D to secure the knob in place.

To adjust the tilt, loosen screws C in Figures 2 and 3. 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. Remove it from its storage space identified in Figures 3 and 4 as E and screw it completely into the hole noted as F. **IMPORTANT: To install or remove the Trainer Lock in your PerfeX release aid you must cock the release aid first.** The side you install it in depends on your comfort as a left or right handed archer. You can adjust the sears as normal while using the Trainer Lock.

Adjusting the sweep and changing your finger extension

You will need a 3/32 allen key for this adjustment. The PerfeX Thumb release comes with two articulating finger extensions offering three or four finger cradles and a 30 degree range of sweep and stability. To change from one extension to the other, remove screw G as noted in Figures 2, 3 and 5, then gently press dowel pin H in figure 5 through the hole until it is completely removed. The finger extension should easily slide out of the release body. Reverse the process to reinstall the other extension (please note that dowel pin H is a slip fit so you will need to make sure it is roughly centered in the release body before you tighten down screw G.

To adjust the sweep of the finger extension, loosen (counter clockwise) screw G and the extension should swing freely. Tighten screw G slightly so that it provides just enough friction that the extension does not swing freely, but moves easily when you deliberately try to move it. Once you have found the ideal sweep for you, tighten screw G tight enough so that the extension does not move during your draw cycle.

We hope you enjoy your release aid and choose to contribute any suggestions you may have. Our greatest source of constant improvement is you, we appreciate your business and value your thoughts so please voice them through our website or to sales@ishootastan.com

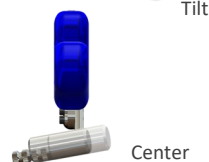
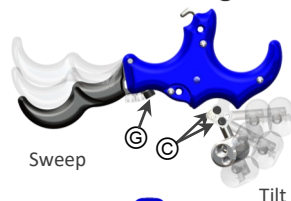
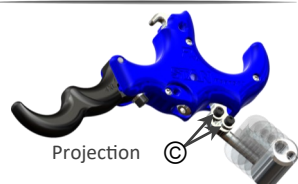


Figure 2

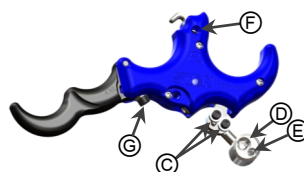


Figure 3

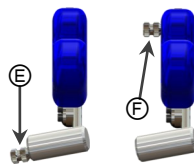


Figure 4

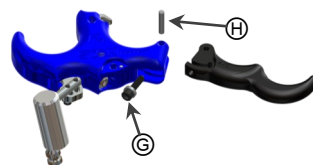


Figure 5