

## ***Pro Bow Balancer***

### Instruction Sheet

#### 1. Install the Mounting Plate –

- Mount on a secure and level surface.
- Ensure that you have chosen a mounting location that will allow enough clearance for the bow's movement during balancing.

#### 2. Install Universal Cradle –

NOTE: the bow must be ready to shoot. All accessories, such as sight, rest, stabilizer mounting hardware, stabilizer bars etc. need to be installed.

- Remove Screws on the Universal Cradle using an allen wrench.
- Attach Universal Cradle to the Riser/Grip area of the bow.
- Tighten screws evenly so that the Universal Cradle is securely attached to the bow prohibiting it from moving. Do not overtighten screws.

The front half of the Universal Cradle can be reversed so that the flat portion or V- shaped portion will touch the front of the bow riser to accommodate virtually any shape.

NOTE: It is important to properly install the Universal Cradle so that it is in contact with the riser of the bow naturally – free from torque. This is simple to do as the Universal Cradle will essentially position itself as you tighten the screws. The Universal Cradle is not designed, necessarily, to be perpendicular to the riser as generally, this is not possible due to contours and geometry in bow risers and grips. This is OK and will not have a negative effect on the balance of the bow. Remember, the Pro Bow Balancer works on simple physics and gravity.

#### 3. Placing the bow in the Pro Bow Balancer –

NOTE that the bow should be Ready-to-Shoot with all of the accessories such as the sight, rest, stabilizer mounts, stabilizers etc. installed.

- Tighten the large thumb screw on the bottom of the Balancer so that the Free Floating Balance Bracket is locked into position.
- Place bow, with Universal Cradle installed, into the machined pockets of the Balance Bracket.

#### 4. Installing Weights –

- Tighten the small thumb screws on the rear of the Free Floating Balance Bracket to prevent freedom of movement
- Add a few ounces of weight to the front of the stabilizer. (most likely you will adjust these weights later to achieve proper balance and feel)

- Install approximately 3-4 times the amount of weight as you installed on the front stabilizer to the rear stabilizer(s). This is a good starting point. (again, this will most likely be adjusted later)
5. Balancing Your Bow -
- Note: It is recommended that you adjust your 1<sup>st</sup> axis (front/back) before adjusting your 2<sup>nd</sup> axis (left/right)
- To adjust the 1<sup>st</sup> axis – Loosen the 2 small thumb screws at the rear of the Balance Bracket to allow the bow to move freely without restriction.
- Note: You may want to hold the bow lightly with your hand until you can see how far it will move forward or back to prevent it from hitting the balancer.
- Adjust your front and rear stabilizer weight and rear stabilizer mounting hardware position as needed so that the bow will sit at approximately a 35-45° angle downward. We recommend this starting point.
  - To adjust the 2<sup>nd</sup> axis – Loosen the large thumb screw that is holding the Balance Bracket in place.
- Note: You may want to hold the bow lightly with your hand until you can see how far it will move forward or back to prevent it from hitting the balancer.
- Adjust the amount of rear stabilizer weight and stabilizer mounting hardware position as needed so that you achieve even and level left-right balance.
- Note: You may find that you will need to make adjustment to the rear, then back to making an adjustment to the front – back and forth in this manner as you fine tune the weights and stabilizer position.

***Congratulations! You have now achieved a properly balanced bow!***

6. Fine Tuning –
- Now that you have your bow balanced you have achieved an ideal starting point. We *strongly* recommend that you now shoot your bow to see how it feels, aims and groups for you! Remember, regardless if the bow is balanced, this does not take into account the element of YOU, The Shooter!
  - After you have shot several groups, if you should find that the bow feels too heavy or too light, leans one way or the other at full draw, or any other undesired feeling, it is time to add or subtract a very small amount of weight. We recommend ½ - 1 oz at a time. Shooting groups with each adjustment.