

# ABC SPARTAN-300

## PIVOTAL BOWHUNTING SIGHT

### *INSTRUCTIONS*

**Read all instructions thoroughly before beginning the process. Sighting in your Spartan-300 can be a tricky—and just about impossible task—if you do NOT follow these instructions carefully. Do not try to work ahead! Don't get frustrated, the extra attention to detail will pay off when you are able to shoot from 0-yards to 70-yards+ with ONE pin!**

#### **Before You Get Started**

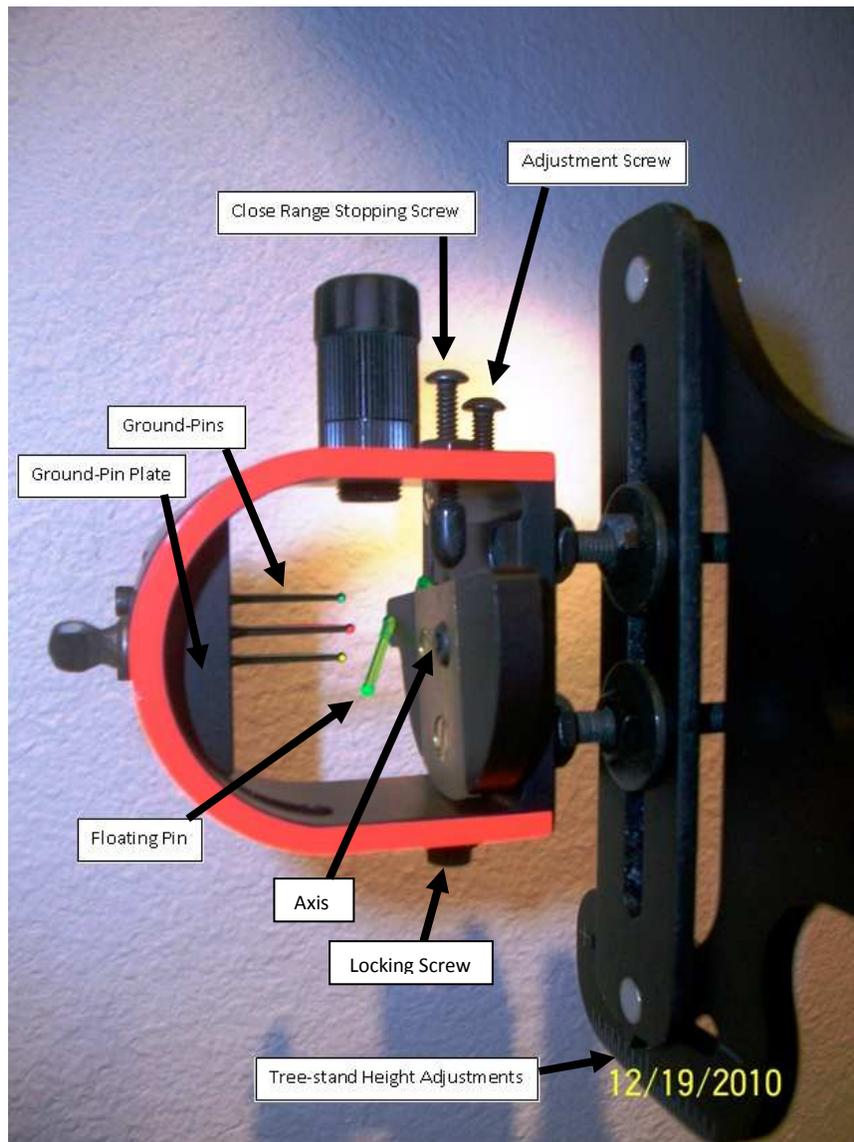
The ABC Spartan-300 and its bracket are manufactured out of 6061T-6 Aluminum for durability.

This sight is designed to accept a Cobra Rheostat (C-615) light.

**FLOATING PIN:** The floating pin will **only** be used for shooting from your tree-stand. The sight comes with three differently colored pins.

- If you want to change the pin that comes with the assembled sight, remove the hex-head screw in the center of the counterweight. After removing the pendulum arm, pivot the pin towards the front and push the pin out (it can only be pushed in one direction). Replace it with another pin and reassemble the sight by simply reversing the steps above.
- The floating pins are made out of polycarbonate and require a certain amount of care: **DO NOT expose them to any chemicals.**

**GROUND-PINS:** The sight comes with three fiber-optic pins (different colors). **Sight them in, on the ground, only after you have completed the tree-stand "sighting-in" procedure.** They are attached to a removable plate on the side of your sight. When you are shooting from your tree-stand, you can remove your ground-pin plate by simply loosening the thumb screw on the side.



## Setting Up Your Sight

We begin the sighting-in process by checking the sight on the ABC Pivotal Bracket. **Make sure the bracket pointer is set at zero.** It is shipped this way, but just double-check it before moving on. Also, verify that the sight is mounted at, approximately, the center of the bracket.

Climb to your desired tree-stand height and **make a note of that height.** This will be your “sighting-in height (**zero mark** on your bracket). Once “sighted-in” from that height, you will be able to move your tree-stand up or down approximately 10 to 12 feet by simply pivoting the bracket **one notch for every two feet of height change** (up is + and down is -). We recommend a platform height of 20 feet. This sight will actually work as low as 5 feet off the ground (platform height).

**Before making your first shot, fully draw your bow and make sure that the tip of the floating pin is aligned with its own axis while pointing at the 30-yard target.** If it is either high or low, let down your draw and adjust by turning the **adjustment screw** very slightly (clockwise makes the pin head come up and

counterclockwise makes the pin go down). Continue this process until **the tip of the floating pin is in alignment with (or slightly higher than) its own axis while pointing at the 30-yard target.**

Note: This is just the approximate starting point to get you relatively close. We will make further adjustments next.

### **Sighting-In The Floating Pin**

- **The “sighting-in” process is a gradual one. You must creep up on your particular arrow trajectory by making small adjustments at a time.**

**NOTE:** We suggest that when you are shooting from your tree-stand, remove the ground pin plate so you have a clear view.

This is the sight-in order: 30-yards, 23-yards, 10-yards. We suggest that you either use small Styrofoam cups on tops of old arrows or used 3-D deer targets. The idea is to either hit the targets or keep the arrows inside the kill zone. **Make sure that you are confident that your shots were precise before making an adjustment.**

Shoot at the **30-yard** target. Move the **entire unit** either up, down, left or right. Make sure you move the unit in the same direction as your shot, until you are hitting.

**NOTE:** If your bow is shooting more than 300fps, your first two targets will be at **33-yards** and **26-yards** (rather than 30-yards and 23-yards).

Now, shoot at the **23-yard** target (pin should be floating freely).

- **If you are hitting the 30-yard target consistently, but at the 23-yard target you are SHOOTING LOW (common with faster bows), what you must do is:**
  - Move the floating pin **up** by **VERY slightly** turning the adjustment screw **clockwise**.
  - **Also**, SLIGHTLY move the **entire unit** down.
  - Shoot at the **30 and 23-yard target again, in that order**.
  - You should notice that you are getting closer. Keep repeating these steps, making only **minor** adjustments until you have sighted-in your bow on **these two very important targets!**
- **If you are hitting the 30-yard target consistently, but at the 23-yard target you are SHOOTING HIGH (common with slower bows), what you must do is:**
  - You must in this case, do the reverse of the procedure above.
  - Move the floating pin down by **VERY slightly** turning the adjustment screw **counterclockwise**.
  - **Also**, SLIGHTLY move the **entire unit** up.
  - Shoot at the **30 and 23-yard target again, in that order**.
  - You should notice that you are getting closer. Keep repeating these steps, making only **minor** adjustments until you have sighted-in your bow on **these two very important targets!**
- **Continue to make minor adjustments until you are consistently hitting the 30 & 23-yard targets!**

- When you are hitting the 30 and 23-yard targets consistently, lock the nut on the adjustment screw.

You are ready to shoot at the **10-yard** target. Adjusting for the 10-yard target is really easy!

- The floating pin should be allowed to travel upward and not be limited by the stopping screw.
  - Take a shot at the 10-yard target. You should be hitting low (if the pin is allowed to come all the way up).
  - Now, turn the **close-range stopping screw** down a quarter turn.
  - Take another shot. You will notice that your arrow is now getting closer to the target.
  - Make another small adjustment, if necessary, by turning the screw down and shooting again.
  - Keep on shooting and making small adjustments until you have fine-tuned your **10-yard** shot.
  - Once you are hitting the 10-yard target, tighten the **hex nut** on the **close-range stopping screw**.

Once you are consistently hitting the 30, 23, & 10-yard targets **you are sighted-in from your tree-stand** and may now experiment to see just how far you can accurately shoot! You are now sighted in for **ANY** shot within your bow's reasonable range!

If you wish, you may now change your tree-stand height, either up or down, from your starting point. Just remember to **move the bracket one notch for every two feet of height change** (+ up) & (- down) and shoot at all the targets again.

### **Sighting-In The Ground-Pins**

Sighting in the ground pins is very simple. If you have properly sighted-in your floating pin, then you will only have to worry about shooting high or low with your ground pins. Make sure to put your ground-pin plate back on.

We suggest assigning the pins (from top to bottom) as 20-yard, 30-yard, and 40-yard pins, respectively. Begin with your top pin, the 20-yard pin.

- When making adjustments on your ground-pins, slide the pins up or down to follow your shot. For example, if you shot high, move the pin up. Use an Allen wrench to loosen and tighten the ground pins.
- Make small adjustments until all three pins are sighted in.

**Once your floating-pin and your ground-pins are sighted-in, your sight is sighted-in! You're ready for the hunt! Good luck and happy hunting!**

Feel free to contact us with any questions or concerns:

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