

RED HOT ACCESSORIES

3X Fixed Pin Point Scope Instructions

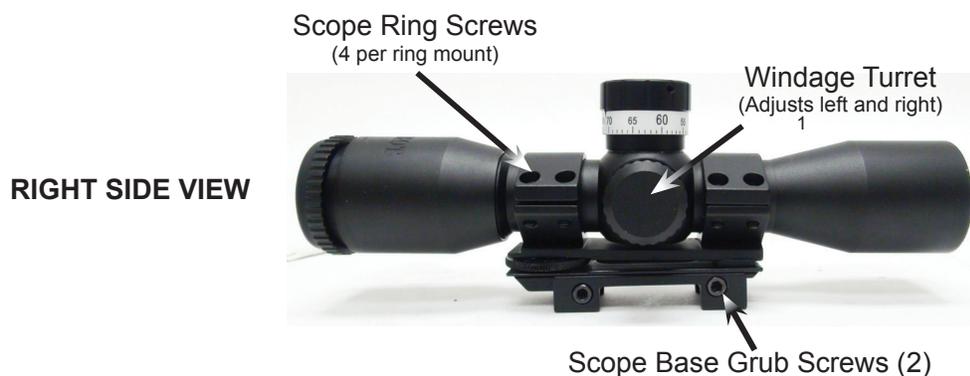
Before you begin:

1. Make sure to inventory all of the components in this package as follows:
 - (a) Pin Point scope mounted to a 7/8" Weaver Style Scope Base
 - (b) Hex keys - 3.5mm and 2.5mm
 - (c) Set of Adhesive Turret Tapes from 280 fps – 380 fps.
 - (d) Instructional DVD
2. Be certain you have an appropriate target and backstop material to shoot into.
3. Be certain to use a solid rest to shoot and sight in with. Example, a shooting bench, a set of shooting sticks, sand bags or improvised method that allows you a solid position to steady your crossbow for the sighting in exercise.
4. Be certain you have a distance of 10 yards (30 feet) to shoot for the sight in exercise.
5. Be certain that you use a matched weight set of arrows that are identical to each other and are in new condition.
6. Be certain that you use a rope or crank cocking device for each shot to optimize your crossbow's accuracy, and cocking cycle consistency.

NOTE: The Pin Point Scope Elevation Dial and Windage Turret clicks are calibrated for ½ inch MOA for each click. This means in either plane (up/down or left/right), one click will move your point of impact ½ inch at 100 yards. However, because you will be sighting your scope in at a distance of 10 yards, you will need to adjust your clicks for the shorter distance; 20 clicks will move your point of impact 1 inch at 10 yards.

Remember 20 clicks per 1 inch at 10 yards.

Anatomy: 3X Pin Point Scope



Installation of your Pin Point Scope:

Step 1. Loosen the scope base grub screws (2) with the 3.5mm hex key provided.

Step 2. Slide the base onto the sight bridge of your crossbow, allowing for approximately 3 – 4 inches of eye relief. Proper eye relief is achieved when you see a full sight picture without straining or stretching your head or neck. Looking through the scope should feel comfortable and natural.

Note: Be sure that the rear grub screw is positioned in one of the grooves (or slots) on your crossbow's scope mount rail. If the screw is NOT in a groove, the scope will be tilted forward and will NOT sight in.

Step 3. Tighten the scope base using the 3.5mm hex key provided.

Step 4. Ensure the crosshairs are level.

Step 5. If the crosshairs are NOT level, use the 3.5mm hex key and loosen the 8 scope ring screws. The screws should be loose enough to turn or rotate the scope, but not so loose the top rings can be removed.

Step 6. Rotate the scope so that the horizontal crosshair is level when viewed through the scope. If necessary, place a bubble level on top of the Dial-a Distance Turret to level. Once the horizontal crosshair is level, tighten the 8 ring screws in an alternating pattern to ensure the top rings are evenly positioned on the bottom rings, and double check to be certain the scope has not moved from its level position.

Level Crosshairs



Figure 1

NOT Level Crosshairs



Figure 2

NOTE: If the crosshairs are not level, the scope will NOT be accurate at long distances.

You are now ready to proceed to a range to sight in your Pin Point Scope.

Standard Sighting In Procedure:

Step 1. Set up your target and back stop at a distance of 10 yards. (30 feet)

Step 2. Before you shoot your first arrow, turn the top Dial-a-Distance Turret clockwise until it comes to a stop.

Note, there is an indicator mark (▲) on the base of the Dial-a-Distance Turret that is used to identify the yardage setting of this turret.



Step 3. Using the aid of a steady rest/bench, aim at the bulls-eye and shoot one arrow at the target from exactly 10 yards. Note where the arrow hit. If the arrow hits too high, turn the Elevation Dial (the largest dial at the back of the scope base) clockwise. If the arrow hits too low, turn the Elevation Dial counter clockwise until the elevation is correct. Note: 20 clicks equals 1 inch at 10 yards. When the elevation is correct, tighten the Elevation Dial Set Screw on the scope base; located on the left side of the base, closest to the back. Be sure not to over-tighten this screw. You will likely be able to put an arrow in the same hole consistently once you are sighted in.

Note: Adjust elevation (up or down) first. After the elevation is correct, then adjust windage (left or right). Do NOT try to adjust both at once.

Step 4. Shoot another arrow from exactly 10 yards. If the arrow hits too far right, adjust the Windage Turret to the left. If the arrow hits too far left, adjust to the right. The Windage (right or left) Turret is located on the right side of the scope. Remove turret cap to expose the adjustment dial. Note: 20 clicks equals 1 inch at 10 yards. After adjusting the windage, replace the turret cap.

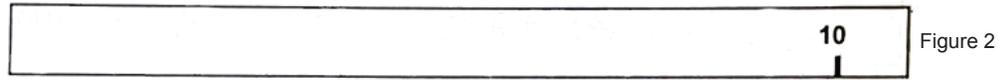
If you need additional instruction on sighting in a scope, log on to www.parkerbows.com and hover over "Videos & FAQ" in the navigation, click "How-to Videos". Then select "How To Sight In". This video tutorial will expertly demonstrate how to sight in a scope.

Proceed to Method A or B to Complete the Pin Point Adjustments and Calibration.

Method A (Not using a Chronograph, the “Sight in and match” method) This is the most accurate method.

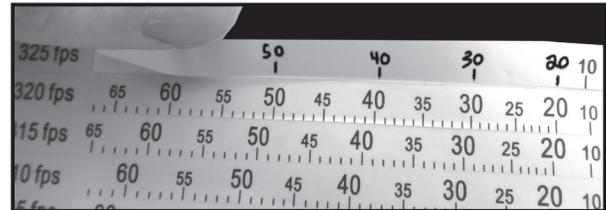
Use this method if you do not know the speed your arrow is shooting.

Step 1. Refer to the Adhesive Turret Tapes included in the scope package, and remove a “Blank” tape. (Figure 2)



- Step 2. Turn the Dial-a-Distance Turret clockwise until it comes to a complete stop.
- Step 3. Apply the right hand edge of the tape at the 10 yard mark to the Dial-a-Distance Turret precisely above the indicator mark (▲), and wrap around the turret with light finger pressure. You will be removing this tape shortly, so do not press it firmly to the turret.
- Step 4. Step back to a distance of 20 yards, and shoot an arrow. Make note of where it hits. It will hit lower than the bulls-eye. Now turn the Dial-a-Distance Turret counter clockwise approximately ¼ inch and shoot a second arrow.
- Step 5. Make note of where your second arrow hit. It should hit higher than the first arrow. In this process, keep adjusting the Dial-a-Distance Turret up or down until your arrow hits precisely in the center of the bulls-eye at 20 yards. When it does, using a pencil or pen, mark a line on the blank tape above the indicator arrow. Proceed to step 5.
- Step 6. Step back to a distance of 30 yards, turn the Dial-a-Distance Turret counter clockwise approximately ¼ inch and shoot another arrow. Make note of where it hits. It will hit lower than the bulls-eye. Keep adjusting the Dial-a-Distance Turret until your arrow hits precisely in the center of the bulls-eye. When it does, using a pencil or pen, mark a line on the blank tape above the indicator arrow. Proceed to step 6.
- Step 7. Repeat the same procedure at 40, and 50 yards, marking lines on your blank tape.
- Step 8. Once you have a minimum of three new pencil or pen marks on your blank tape, (more marks are more accurate) remove the tape from the Dial-a-Distance Turret.

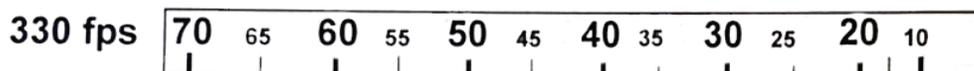
Step 9. Refer back to the Adhesive Label Speed Tapes included in your package. Using the blank tape with your pencil markings try to match and select the pre-printed tapes that is the closest match. Once you have found the closest match, remove the label and apply it to the Dial-a-Distance Turret.



Remember: Before you apply the pre-printed tape to the Dial-a-Distance Turret, turn the Dial-a-Distance Turret “clockwise” until it stops, and apply the tape lining up the right hand side of the tape with the 10 yard mark above the indicator mark (▲).

Method B (Using A Chronograph)

- Step 1. Determine the speed of the arrows you are going to use to shoot/hunt with by using a chronograph. The preferred method would be to shoot a group of three arrows through the chronograph and determine the average speed of the three arrows. Example: 330 fps + 331 fps + 332 fps = 993 FPS / 3 = 331 fps.
- Step 2. Record the speed, and keep it for step 5.
- Step 3. Referencing the earlier determined speed of your arrow in Step 1 (Example: 331 fps), refer to the Adhesive Turret Tapes included in the package. The speeds of the tapes range from 280 fps to 380 fps in increments of 5 feet per second. Peel off the pre-printed tape that closest matches your speed. In this example 330fps.

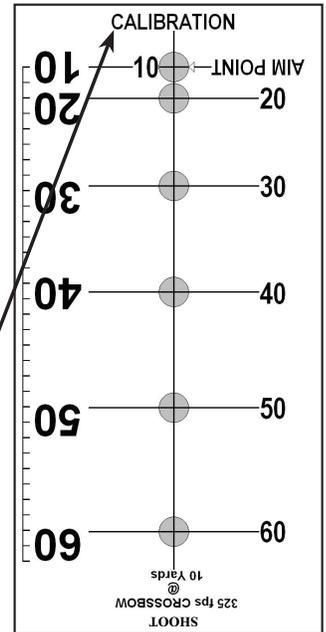


- Step 4. Turn the Dial-a-Distance Turret clockwise until it comes to a complete stop.
- Step 5. Apply the right hand edge of the tape at the 10 yard mark to the Dial-a-Distance Turret precisely above the indicator mark (▲), and wrap around the turret with light finger pressure. Apply more finger pressure and smooth out the label to make sure the speed tape is firmly adhered to the turret.
- Step 6. Your Pin Point scope is now calibrated for precision shooting, and customized to the speed your crossbow and arrow combination are shooting.
- Step 7. To confirm your accuracy, it is advisable to proceed to a range with longer distances, and test shoot your crossbow at extended ranges before you hunt. We recommend shooting an arrow at each 10 yard increment to confirm your yardages, and boost your confidence that your Pin Point Scope is in sync with your rangefinder, and over ground distances.

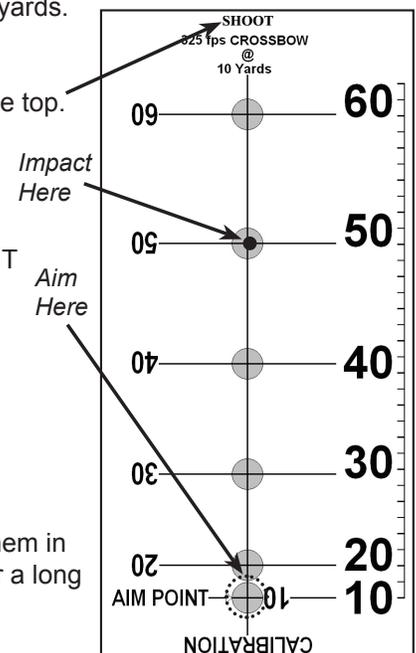
Checking the Calibration of your Pin Point Scope “How to use a Calibration Target”

Once you have determined the speed of your arrow, either with Method (A) or Method (B), it is recommended that you check the calibration of your scope using a Calibration target.

- Step 1. Log on to www.parkerbows.com, and click on “RED HOT Accessories”. Then click on “Pin Point Calibration Targets”.
- Step 2. Click on the target that matches your arrow speed. Select “Print.” A target will print out for your speed. This is precisely the scale you will need to check the calibration of your Pin Point scope at 10 yards. (In this example it is 325 fps.)
- Step 3. Place this target at exactly 10 yards from your shooting station with the word “Calibration” at the top.
- Step 4. Return to your shooting station, and turn the Dial-a-Distance Turret fully clockwise, indicating a distance of 10 yards.
- Step 5. Support the crossbow on a steady surface – preferably a shooting bench – and aim the center dot of the scopes crosshair at the 10 yard circle on the top of the card. Slowly turn the Dial-a-Distance Turret counter-clockwise while continually looking through the scope; you will notice the crosshair moves down the card. Stop when the center dot points at the 20 yard circle. Look at your speed tape to confirm the indicator mark (▲) is pointed at 20 yards.
- Step 6. Resume looking through the scope, and continue checking each yard by repeating the above step by returning the turret to the 10 yard position and again point the center dot at the 10 yard circle on the card, then turn the Dial-a-Distance Turret counter-clockwise until the crosshair moves down the card to 30 yards. Look at your tape to confirm. Repeat for 40, 50, and beyond yards.



- Step 7. Shooting the Calibration target... will confirm your scope is properly calibrated. Turn the calibration target over so the word “Shoot” is at the top.
- Step 8. Return to your shooting station (10 yards), and dial your Dial-a-Distance Turret to a longer distance (example 50 yards).
- Step 9. Cock and load your crossbow, and take a steady aim at the AIM POINT of 10 yards.
- Step 10. Squeeze the trigger making a good shot, and you will note the arrow struck the target at 50 yards. Your Pin Point scope is expertly calibrated and ready to hunt.



Tip: You may choose to print a few copies of the calibration target and keep them in your case to check your scope periodically throughout the season or after a long travel trip.