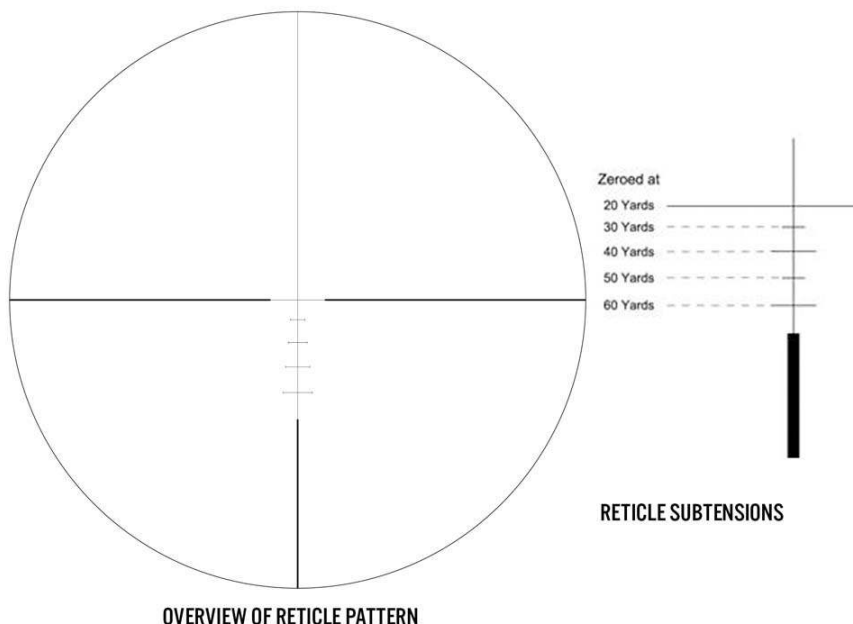


**WARNING:** BEFORE MOUNTING THE CROSSBOW SCOPE, BE SURE THAT THE CROSSBOW IS NOT LOADED. MAKE SURE TO PRACTICE SAFE HANDLING PROCEDURES AT ALL TIMES.

The **PSE V310 crossbow scope** is a tough and compact optic optimized for a 310 feet per second crossbow such as the PSE Vector 310 crossbow. The V310 Aiming System provides a series of aiming points and an easy to use drop-compensation system. The sight is waterproof, shockproof, fog proof, and it features fully-coated lenses for brightness and clarity.

The crossbow scope reticle has been developed specifically for the trajectory of 310 feet per second. We are very proud of the rugged qualities and excellent performance built into this scope. The crosshair reticle is designed to be sighted-in at 20 yards. The first reticle beneath the center crosshairs is calibrated for a drop at 30 yards, and the second reticle is calibrated for a drop at 40 yards. The 3rd short reticle is calibrated for 50 yards, and the 4<sup>th</sup> reticle is calibrated for 60 yards. Each shooter should verify the aiming points by shooting at actual, measured distances. The actual aiming points may vary due to varying crossbow speeds and a number of other environmental factors.



## ***Crossbow Scope Instructions***

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While holding the scope about three inches from your eye, quickly glance through the eyepiece at a featureless, bright area such as a wall or open sky. If the reticle is not sharply defined, adjust the diopter by rotating the diopter ring, or loosen the eye bell locking ring, quickly glance through the scope again. If the focus has improved but is still not in focus, continue focusing. If the focus condition becomes worse, turn it the opposite way. When the reticle appears in sharp focus, re-tighten the locking ring.

### **Mounting**

Separate the tops of the rings from the bottom portion. Set the scope in the cradles formed by the bottom portions. Replace the tops but do not tighten. Push the scope as far forward as it will go. Rotate the scope so that the elevation turret is on top.

Shoulder or bench rest the crossbow and pull the scope back toward you until you see the field of view. Check altitude of the reticle. The vertical and horizontal components should be aligned with the scope axis. When the scope is properly positioned, tighten the ring tops.

**CAUTION:** Over-tightening can cause damage to the scope affecting performance or even rendering it inoperable. There should be a slight gap between the ring top and bottom. The gaps should be even on the left and right sides of both rings.

### **Pre-Zeroing**

Set the crossbow on a steady support like a bench rest and remove the elevation and windage caps. Without disturbing the unit, adjust elevation and windage knobs to center the reticle on target.

To raise the point of impact, turn the elevation knob clockwise. To shift left, turn windage knob counter-clockwise.

If large amounts of windage and elevation adjustments are needed, make about  $\frac{1}{2}$  of the required elevation change, then  $\frac{1}{2}$  of the windage. Finish by applying the balance of elevation correction and then windage.

### **Zeroing**

**CAUTION:** All shooting should be done at an approved range or other safe area.

Set the zoom adjustment to the highest power. From a steady rest position, fire three rounds at target at a set distance. Observe the point of impact on the target and adjust the windage and elevation knobs as needed.

**Note:** The point of impact from the various bolt groups indicate the required adjustment for windage and elevation. Each click of adjustment changes the point of impact by the amount shown on the above chart. When you have finished zeroing, replace the windage and elevation caps.

### **Maintaining Your Crossbow Scope**

Although your crossbow scope is shockproof and waterproof, you should never try to take it apart or clean it internally or it will void the warranty. The exposed optical surfaces will perform their best if they are occasionally wiped clean with the lens cloth provided or with an optical quality lens paper like those used for eyeglasses or camera lenses. Maintain the metal surfaces of your crossbow scope by removing any dirt or sand with a soft brush cloth so as to avoid scratching the finish. Wipe down the scope with a damp cloth and follow with a dry cloth. Finally, going over the tube with a silicone treated cloth will restore luster and protect the scope against corrosion. Be careful not to touch any of the lenses with the silicone cloth.