

INSTALLATION & SIGHT IN INSTRUCTIONS FOR OPTIMIZER SPEED DIAL

CAREFULLY READ THE FOLLOWING INSTRUCTIONS COMPLETELY
BEFORE MOUNTING AND SIGHTING IN YOUR CROSSBOW!

Mounting:

1. Slide the Optimizer Speed Dial onto your crossbow and position its' base flush with the rear surface of your crossbows' 7/8" dovetail. Tighten (2) 8-32 cap screws. If the position of the Speed Dials' wheel inhibits your cocking device from fully engaging the string behind the string latch, loosen the (2) 8-32 cap screws and slide the Speed Dial rearward to assure the required clearance.

Note: If you are using a hand crank to cock your crossbow, you will also need to allow necessary clearance for the crank.

IMPORTANT: It is **MANDATORY** that the position of the Speed Dial **NOT** interfere with the accessibility or function of the **SAFETY** mechanism of your crossbow.

2. Mount scope to the Speed Dial by selecting the proper grooves to accommodate your scopes' specific eye-relief distance. Note: It may be necessary to loosen and slide your scope rings to align with the grooves on the Speed Dial.

Sighting in:

1. In order to select the proper tape, you must have a safe range with a **MEASURED** 20 and a **MEASURED** 60 yards.
2. Rotate the Speed Dial to "**0**". Lock by turning knurled knob clock-wise. Your Optimizer Speed Dial comes with a 0-80 set-up tape installed on the dial. The numbers 0-80 are **NOT** yardage markers. They are merely a means of measuring and selecting the proper tape.
3. At a distance of **TEN** yards, shoot an arrow to ensure that you are "in the ball park" vertically. Use the "elevation" adjustment on your **SCOPE** to get within 6" of the bullseye **BEFORE** proceeding to the next step.
4. At **20 YARDS** and with the Speed Dial set at "**0**", use your scopes' elevation and windage adjustments to sight in. Note: Due to the exceptional repeatability of your crossbow / Speed Dial system, it is recommended that you shoot separate bullseyes for each arrow.

- Once you have an extremely accurate sight in at 20 yards, loosen the knurled wheel lock by rotating counter-clockwise. Sight in at 60 yards by rotating the Speed Dial clockwise. Note: If you are shooting at a small backstop, it is recommended that you “feel your way” out to 60 yards in ten yard increments. If you know the FPS rating of your crossbow, you may use the table below to determine the **APPROXIMATE** Speed Dial setting for 60 yards. Note: It is not uncommon for FPS ratings to be slightly higher than actual.

<u>FPS (actual)</u>	<u>60 yard setting (approx)</u>
260 - 275	61
275 - 290	55
290 - 305	49
305 - 320	43
320 - 335	38
335 - 350	34
350 - 365	31
365 - 380	28
380 - 395	25
395 - 410	22

- Once you have an extremely accurate sight in at 60 yards, mark and make note of the number nearest the indicator (Example: number 36). Lock the Speed Dial in place by rotating the knurled lock knob clockwise.
- From the enclosed tape kit, select the tape number that matches your 60 yard setting. Carefully remove the correct tape from the booklet. It is not necessary to remove the 0-80 sight in tape. Locate the color coded yardage tape directly over the top of the sight in tape by placing the 60 yard marker (hot pink) directly under the needle that you have locked in at 60 yards. Carefully roll the tape in both directions. The 20 yard (hot green) marker will fall exactly on the “**0**” of the sight in tape. All the yardages between 20 and 80 yards are now in place. Note: Any crossbow with an actual speed of less than 300 FPS will **NOT** have a full 20-80 yard tape.
- Remove one of the Mylar clear decals from the set up kit and tie the two ends of the yardage tape together. This will prevent the ends of the yardage tape from becoming loose.

Helpful Tips For Sighting In:

- Do all your shooting from a solid bench equipped with a sturdy forearm rest such as a sandbag or commercial gun rest.
- As with any set of arrows, your crossbow bolts may not all perform exactly the same, particularly at long distances. It is recommended that you select 2 or 3 bolts with common flight characteristics for use in sighting in. While it may be a little more time consuming, using the same, single bolt

for sighting in at 20 and 60 yards will actually yield the best results.

3. Cock your crossbow consistently. It is vitally important, especially if you are hand-cocking, to assure an even, smooth pull with both hands to keep the string “centered” until it latches. Any deviation in the cocking process will adversely affect accuracy, particularly at longer distances.