

**INSTALLATION & SIGHT IN INSTRUCTIONS FOR THE NYTRX X3 & X4  
ADJUSTABLE BOW SIGHT**

**CAREFULLY READ THE FOLLOWING INSTRUCTIONS COMPLETELY BEFORE  
MOUNTING OR SIGHTING IN YOUR BOW!**

Mounting the sight to your bow:

1. Using the (2) 10-24 screws, mount the sight to your bow riser. For the side mount NYTRX , choose the set of holes that best fit your riser and shooting style. For the Pic Mount simply mount the sight to the Pic Rail on the bow. For the Short Bar Dovetail, simply mount the Dovetail Block to the riser.
  - a. To mount a sight using the Mathews Bridgelock™ system, simply slide the dovetail bar into the riser and secure using the screw provided by Mathews.

**Note:** If you wish to mount a quiver to the DOVETAIL BLOCK, use the enclosed kit. When attaching your quiver bracket, place the (2) black washers BETWEEN the dovetail block and your quiver bracket.

2. **IMPORTANT!!** When mounting a NYTRX dovetail sight conventionally with (2) 10-24 screws on a riser that is more than 1" thick, position the INFINITE ADJUST PLATE to the inside of the SLIDE. If you are mounting a Pic Mount, Side Mount or Dovetail on a bow featuring Mathews Bridgelock™, position your INFINITE ADJUST PLATE as shown in IMAGE A.

If you run out of windage to the LEFT on a RIGHT HANDED bow or to the RIGHT on a LEFT HANDED bow, flip your INFINITE ADJUST PLATE 180°.

To "flip" the INFINITE ADJUST PLATE, simply remove the 2<sup>nd</sup> AXIS BLOCK completely from the INFINITE ADJUST PLATE, rotate the INFINITE ADJUST PLATE 180°, and insert it into the SLIDE. Reattach the 2<sup>nd</sup> AXIS BLOCK.

3. Moderately snug both cap screws in the INFINITE ADJUST PLATE.
4. Slightly snug the top screw in the 2<sup>nd</sup> AXIS BLOCK. Loosen the bottom screw. Grasping the SCOPE, rotate the entire 2<sup>nd</sup> AXIS BLOCK/SCOPE assembly clockwise/counter-clockwise to position it in the approximate center of the 2<sup>nd</sup> AXIS "swing". Tighten the bottom screw, then tighten the top.

**Note:** The 2<sup>nd</sup> AXIS BLOCK has a hole at the top and a slot at the bottom for attachment to the INFINITE ADJUST PLATE. The average archer may not use this feature and will simply position the bottom screw in the "MIDDLE" of the slot before tightening. The

more technical archer will require that the level in the scope housing is positioned perfectly square with the vertical axis of the bow. This is done by mounting the bow vertically in a bow vise. With the TOP mounting screw slightly snug, and the bottom screw loose, rotate the entire 2<sup>nd</sup> AXIS BLOCK/SCOPE ASSEMBLY until the bubble in the level is positioned between the witness marks. Tighten the BOTTOM screw, then the TOP.

Sighting in:

1. WINDAGE (left and right) adjustment: The NYTRX has a “course click” and a “micro click” for fast and precision LEFT/RIGHT ADJUSTMENT.
  - a. Loosen the WINDAGE LOCK KNOB, and push the entire scope assembly LEFT/RIGHT through the 2<sup>nd</sup> AXIS BLOCK to roughly position the sight pin in vertical alignment with your arrow. Tighten the WINDAGE LOCK KNOB.
  - b. At CLOSE RANGE, shoot several arrows to determine the direction of adjustment required.
  - c. If your arrows group to the LEFT of the target:
    - i. Loosen the WINDAGE LOCK KNOB (rotate counter-clockwise)
    - ii. Rotate the CLICKER KNOB counter-clockwise for RIGHT HANDED bow.
    - iii. Rotate the CLICKER KNOB clockwise for LEFT HANDED bow.
  - d. If your arrows group to the RIGHT of the target:
    - i. Loosen the WINDAGE LOCK KNOB (rotate counter-clockwise).
    - ii. Rotate the CLICKER KNOB clockwise for RIGHT HANDED bow.
    - iii. Rotate the CLICKER KNOB counter-clockwise for LEFT HANDED bow.
  - e. One click = 1/8” at 20 yards
  - f. Always tighten the WINDAGE LOCK KNOB before shooting (rotate clockwise).
2. ELEVATION (up and down adjustment) / Selecting the correct yardage tape: Your NYTRX comes pre-set from the factory with a SET-UP tape installed on your sight reading “0” when the slide is moved to the UPWARD-MOST POSITION. It also comes complete with a set of 52 different tapes numbered from 26 (extremely fast bow) to 77 (moderately slow bow). The numbers on the SET-UP tape are NOT yardage marks. They are merely a means of measuring and selecting the proper yardage tape. In order to select

the correct tape, you must have a SAFE range with a measured 20 yards and a measured 60 yards.

*\*Only the TOP pin and needle will be used for sighting in your new NYTRX X3 or X4 bow sight for steps A-I.*

- a. Rotate the TAPE DIAL counter-clockwise (for R.H.), clockwise (for L.H.) to position the SLIDE in the UPWARD-MOST POSITION. Tighten the TAPE DIAL by rotating the DIAL LOCK clockwise. The “ZERO” on the SET-UP tape is now aligned with the TOP needle.
- b. SIGHT IN AT 20 YARDS with the TOP PIN and TOP INDICATOR by loosening the (2) screws  $\frac{1}{4}$  turn in the INFINITE ADJUST PLATE, and sliding it vertically along the SLIDE.
  - i. IF the INFINITE ADJUST PLATE is bottomed out on the INFINITE ADJUST CHANNEL, make ELEVATION ADJUSTMENTS with the YARDAGE WHEEL while keeping the YARDAGE WHEEL as close to “ZERO” as possible.
  - ii. Make note of the number on the SET-UP tape that is aligned with the TOP needle (most situations it will be ZERO).
- c. SIGHT IN AT 60 YARDS with the TOP PIN and TOP INDICATOR by rotating the TAPE DIAL. Note: The accuracy of the entire shooting system depends on an extremely accurate sighting at both 20 and 60 yards.
- d. Once you are accurately sighted in at 60 yards, lock the TAPE DIAL by rotating the DIAL LOCK clockwise.
- e. Make note of the number on the SET-UP tape that is aligned with the TOP needle. (example: 50).
- f. The sight tapes in the enclosed kit are numbered from 26 to 77. Our example shows that we were at 50 on the SET-UP tape when at 60 yards and “ZERO” when at 20 yards. We will then take our 60-yard mark minus our 20-yard mark, so  $50-0=50$ . In this situation we will use sight tape # 50 (If past 77 please contact our office at 800-548-7812 as you may need our low poundage tapes).

- g. Simply peel tape # 50 from the kit and carefully apply it to the TAPE DIAL on top of the SET-UP TAPE. “60” on the sight tape should line up directly under your top needle indicator that we previously locked down.
- h. After the YARDAGE tape is squarely applied to the TAPE DIAL, remove and apply the enclosed Mylar decal over the two tape ends to secure.
- i. Your NYTRX X3 or X4 now has the TOP PIN and TOP INDICATOR sighted in.
- j. Sight in your 2<sup>nd</sup> Pin at the desired distance, for our example we will use 30 yards. To make your vertical adjustment at 30 yards, move the 2<sup>nd</sup> PIN up or down.
- k. Once the 2<sup>nd</sup> PIN is sighted in adjust your 2<sup>nd</sup> NEEDLE to the same distance as the 2<sup>nd</sup> PIN, in our scenario position the 2<sup>nd</sup> NEEDLE at 30 yards.
- l. Sight in your 3<sup>rd</sup> Pin at the desired distance, for our example we will use 40 yards. To make your vertical adjustment at 40 yards, move the 3<sup>rd</sup> PIN up or down.
- m. Once the 3<sup>rd</sup> PIN is sighted in adjust your 3<sup>rd</sup> NEEDLE to the same distance as the 3<sup>rd</sup> PIN, in our scenario position the 3<sup>rd</sup> NEEDLE at 40 yards.
- n. \*Only for the X4\* Sight in your 4<sup>th</sup> Pin at the desired distance, for our example we will use 50 yards. To make your vertical adjustment at 50 yards, move the 4<sup>th</sup> PIN up or down.
- o. \*Only for the X4\* Once the 4<sup>th</sup> PIN is sighted in adjust your 4<sup>th</sup> NEEDLE to the same distance as the 4<sup>th</sup> PIN, in our scenario position the 4<sup>th</sup> NEEDLE at 50 yards.
- p. Your NYTRX PRO X3 or X4 is now fully sighted in with all moveable pins.

#### 1<sup>st</sup> Axis Adjustment:

It is best to have a qualified bow technician set 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> axis. With the bow mounted vertically level in a bow vise, ensure that the INFINITE ADJUST SLIDE is leveled to the bow. If not, loosen the 1<sup>st</sup> AXIS ADJUSTMENT SCREW. Insert the enclosed wrench into the 1<sup>ST</sup> AXIS ADJUSTMENT SCREW and rotate until the INFINITE ADJUST SLIDE is leveled.

#### 2<sup>nd</sup> Axis Adjustment:

With the bow mounted vertically level in a bow vise, and with the 1<sup>st</sup> axis previously calibrated, ensure that the level in the scope is reading level to the INFINITE ADJUST RAIL. If not, loosen

the 2<sup>nd</sup> AXIS ADJUSTMENT screw and rotate until the bubble is centered. Tighten the 2<sup>nd</sup> AXIS ADJUSTMENT SCREW.

### 3<sup>rd</sup> Axis Adjustment:

With the bow mounted vertically level in a bow vise, and with the 2<sup>nd</sup> axis previously calibrated, the vise is tilted forward 45 degrees and locked. The level in the scope is then observed to assure that the bubble is still reading true. If not, loosen the 3<sup>rd</sup> AXIS LOCK SCREW. Insert the enclosed wrench into the 3<sup>rd</sup> AXIS ADJUSTMENT SCREW and rotate until the bubble is centered. Next, the bow vise is loosened, tilted backwards 45 degrees, and locked. Check that the bubble reads true. Tighten the 3<sup>rd</sup> AXIS LOCK SCREW.

**FOR MORE IN DEPTH INSTRUCTIONS VISIT OUR WEBSITE AT [HHASPORTS.COM](http://HHASPORTS.COM)**

**OR OUR YOUTUBE CHANNEL**

**Image A**



**Image B**



