

# The Beiter TRI-LINER

The **Beiter Tri-Liner** is used to mark the exact position for fletching vanes on arrow shafts.

- ⇒ The **Beiter Tri-Liner** is used to mark the exact position of vanes (like e.g. Spin Wings™, Kurly Vanes™, Rite Flite Vanes™, ...) on arrow shafts up to 7,2mm (9/32") Nock-out-diameter.
- ⇒ With the **Beiter Tri-Liner** you draw lines exactly in the position you need. An exact orientation of nock and vanes is possible thanks to the adjusting ring on the back (pic.1) and the tabs on the ruler (pic.2).
- ⇒ The archer decides the nock and vane position, as well as where to start and end drawing the lines.
- ⇒ The **Beiter Tri-Liner** can be used and adapted for both RH or LH, and it works for both Recurve and Compound.

## Code-number:

**TL7503BL** -> Tri-Liner, Blue, Complete

### Instructions for a correct use:

Open the 3 ruler and insert the shaft with an installed nock and the related nockadapter in your Beiter Tri-Liner. Pay attention, that the Beiter logo on the nockadapter and the red indicator on the adjusting ring are on the same side (pic.3).

Determine (eventually with an existent arrow) the exact nock position by turning the adjusting ring (pics.4a and 4b) and the correct position of the vanes by installing the red tabs in the desired location (pic.5).

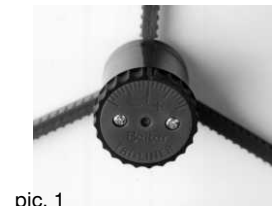
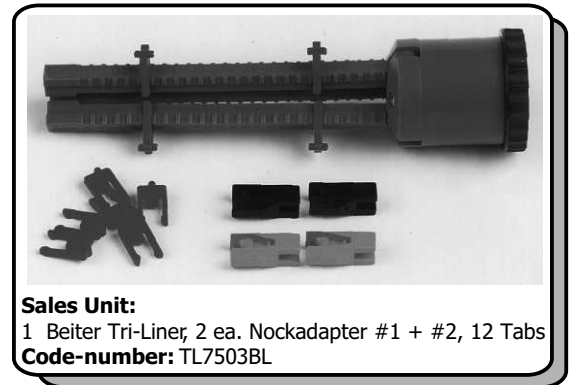
Press **one** single ruler per time on the arrow shaft (pic.6): this will center and position itself thanks to a prisma on the inner side of the ruler.

Now you can draw the line from tab to tab with a suitable pencil. Repeat this process for all three vanes holding only one ruler per time on the shaft!

Extract the arrow shaft from the Beiter Tri-Liner, opening the 3 ruler (pic.7). Until these are closed, the shaft is axially fixed.

Then glue the vanes along the drawn lines as usually. It is possible to clean the Beiter Tri-Liner with solvents (e.g. with Acetone).

You can also align nocks of already fletched arrows with your exact Tri-Liner position. The Beiter Tri-Liner can be used also with nocks of other manufacturer; but than the arrows are not axially positioned. Some restrictions on vane length and positioning are possible.



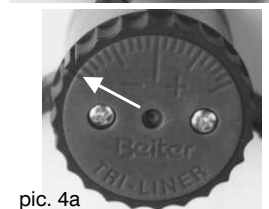
pic. 1



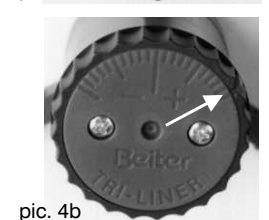
pic. 2



pic. 3



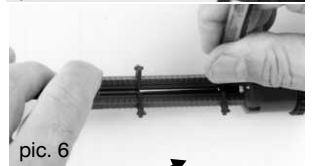
pic. 4a



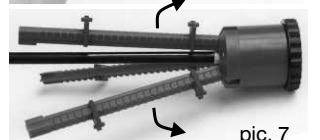
pic. 4b



pic. 5



pic. 6



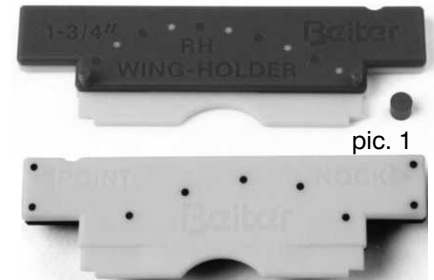
pic. 7

# The Beiter WING-HOLDER

The **Beiter Wing-Holder** is designed to position and fletch vanes (e.g. Spin Wings™, Rite Flite™, Kurly Vanes™...) easily and precisely on arrow shafts.

It is available for **Right-hand (RH)** and **Left-Hand (LH)**, and for **vane length 1-3/4"** only.

The **Beiter Wing-Holder** comes with a Bushing, which allows off-set of the vane by 1°.



pic. 1



pic. 2

## HOW TO PREPARE THE VANE

Clean the arrow shaft with acetone (before installing the nock!)

Draw the necessary lines with the Beiter Tri-Liner.

Insert the vane in the **Beiter Wing-Holder** (Pic.2) and align it with the edge as shown in Pic.3.



pic. 3

Strip off the first layer of the tape as much as needed and hold it down in one of the grooves on the back of the **Beiter Wing-Holder**. - Pic.4

Turn the **Beiter Wing-Holder** and position the tape along the edge of the vane. - Pic.5



pic. 4

Press on the tape. Then cut the useless parts of the tape on both sides with scissors or a knife. - Pic.6

**Hint:** Prepare more vanes ready to be fletched on more Wing-Holders and keep them safe in your quiver or bowcase. You will have one or more spare vanes ready to use!



pic. 5

## HOW TO FLETCH THE VANE

Strip off the second layer of the tape, so the fletching surface is free.

Put the **Beiter Wing-Holder** on the arrow shaft, so that both pins are in contact with the shaft. Don't let the tape have contact with the shaft.

Align the **Beiter Wing-Holder** along the drawn line, using the three positioning sectors placed along the vane edge. - Pic.7

**Note:** Place the vane in the correct direction on the shaft, as shown on the **Beiter Wing-Holder** (Nock - Point) - Pic.1

Pay attention to place the vane along the drawn line and not on it! The tape won't hold on the line. Now press the **Beiter Wing-Holder** on the shaft.

Then release the pressure completely and turn away the shaft from the **Beiter Wing-Holder**. - Pic. 8



pic. 6

Eventually press the vane on the shaft with your thumb on the medium sector (should not be necessary, if the shaft has been cleaned well!).



pic. 7

You may fletch your vanes straight (parallel to the drawn line) or 1° off-set: simply install the red bushing delivered with the **Beiter Wing-Holder** over the front pin (Point->), by pressing it in. - Pic. 9



pic. 8



pic. 9

## BEITER TRI-LINER & WING HOLDER

Code#	Description
<b>Tri-Liner</b>	
TL7503BL	Tri-Liner, Blue, complete
<b>Wing-Holder</b>	
TL76643RBLGE	Wing-Holder, RH, Set of 3
TL7664RBLGE	Wing-Holder, RH
TL76643LBLGE	Wing-Holder, LH, Set of 3
TL7664LBLGE	Wing-Holder, LH
<b>Single Spare Parts</b>	
NA1	Nockadapter for Nockbed #1, Black
NA2	Nockadapter for Nockbed #2, Orange
TL7631RT	Tri-Liner, Tags, Red
TL99001	Tri-Liner, Ruler (Arm), Blue
TL99002	Tri-Liner, Segment (1/3), Blue
TL99003	Tri-Liner, Body, Blue
TL99004	Tri-Liner, Ring, Grey
TL99005	Tri-Liner, Cover, Blue
TL99006	Tri-Liner, Indicator, Red
TL99007	Tri-Liner, Screw