

## CONTENT:

11 Clearance Stars, 1 Clearance Star Tool, 1 Clearance Star Box and Instructions. Available sizes (different colours for different diam.):

Ø4,5 - PINK	Ø8,34 - VIOLET (2114)
Ø5,2 - YELLOW	Ø8,74 - BLUE (2213)
Ø5,4 - DARKBLUE	Ø9,07 - WHITE (2314)
Ø5,5 - HEAVYGREEN	Ø9,22 - BLACK (2312)
Ø5,6 - ROSE	Ø9,26 - RED (2315)



## INSTRUCTIONS

First of all: Why do I need Clearance Stars?

Archers do have many questions: "How does my arrow leave the bow?"

"Do I have good clearance?"

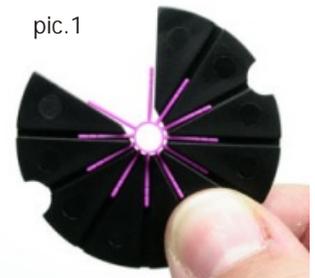
"Does my arrow touch the rest, the plunger, the handle or even my hand?" Without High-Speed Films it was not easy to get those answers!

Beiter Clearance Stars are Contact Indicators, showing where the arrow touches the bow and accessories attached to it (such as Plunger, Rest...) on leaving the bow window after the release.

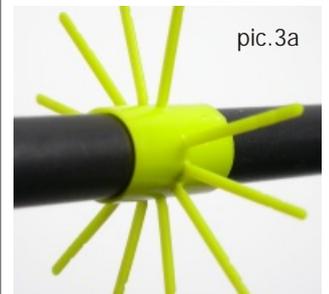
### HOW TO USE THE BEITER CLEARANCE STAR:

- ⇒ Clean the surface of the arrow whaft (e.g. grom glue...)- Take one Clearance Star out of the box and install it on the Clearance Star Tool, paying attention to position it correctly as shown in the picture (pic.1). The Beiter Clearance Star has 11 rays, therefore the rays at 11 and 1 o'clock should be positioned on the edges of the V-cut of the Tool.
- ⇒ Remove the Nock from your arrow shaft.
- ⇒ Slip over the shaft and position the Beiter Clearance Star with the aid of the Tool.
- ⇒ Apply as many Clearance Stars as needed in a row at the distance and spacing you wish, to reveal the contact points of the the arrow shaft with the arrow rest, the plunger tip, the bow window or the bow hand. Place them on the shaft between the nock and the arrow rest. Re-install the nock.
- ⇒ It is important to align the Beiter Clearance Star with the nock (V-cut at 12 o'clock), so you can determine the exact contact points, if your clearance is not good. (pic.2)
- ⇒ Now shoot at a short distance (e.g. only 3m).
- ⇒ Examine the Beiter Clearance Star to see if any of the "rays" on the arrow have been bent! (pic. 3a straight and 3b bent) According to the position you will know where you have a problem with your tuning/clearance.
- ⇒ Re-do the test after having set the bow differently (changing the nocking point height, the arrow position on the rest, the rest position, the plunger tension, the tiller,..) and continue either until there is no contact or your reach the desired contact marks!
- ⇒ Beiter Clearance Stars can be re-used if the "rays" are only bent; the "rays" may break in the event of strong impact, in which case the Clearance Star must be replaced.
- ⇒ Use the Tool or your fingers to gently straighten bent "rays". (pic.4) or to move the Clearance Stars on the shaft (pic.5).
- ⇒ Beiter Clearance Stars may be shortened: simply cut the single "rays" with small (nail)pliers. There are some small indents to make it easy to shorten them all to the same length (pic.6). So you can simulate different vane or feather sizes or different virtual distances of the shaft to the eventual contact points.

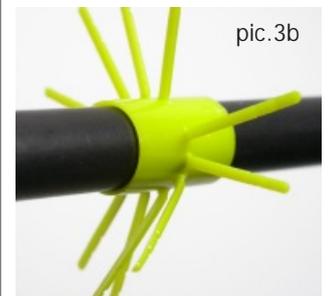
pic.1



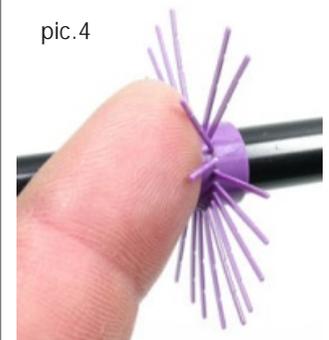
pic.3a



pic.3b



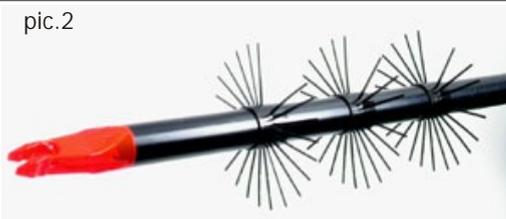
pic.4



pic.5



pic.2



pic.6

