

Club Help Guides and Documents

Using The Doosung Cartel Fletching Jig

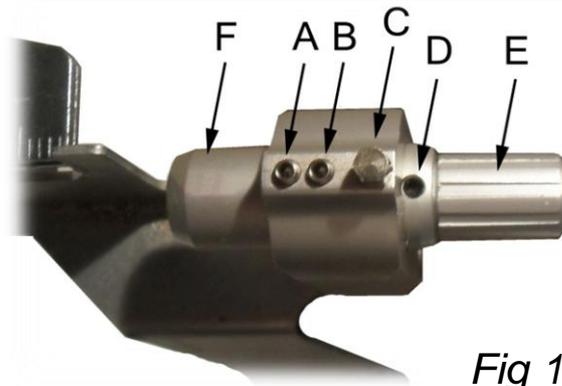


Fig 1

Setting the jig up for use

The Cartel Jig can be adjusted for standard 3 fletch or 4 fletch fitting. You can also set the arrow nock locator from the standard setting of the cock feather *out* for recurve bows to cock feather *up* for compound bows with an arrow launchers fitted.

Fig 1 shows the location of the grub screws A & B (allen key fitting) for setting the cock feather position in the jig from 3 to 4 fletch as required.

Image Reference Key

A - 3 Fletch selection screw	B - 4 Fletch selection screw	C - Barrel retaining screw
D - Cock feather alignment screw	E - Serrated fletch locator barrel	F - Plain Barrel
G - Magnetic location bar (fig 2)		

To set the Jig for 3 or 4 feather fletching

For 3 fletches screw in grub screw A, and screw out grub screw B until you get a positive 3 location click when turning the barrel marked E. To set for 4 fletches screw in grub screw B, and screw out grub screw A until you feel 4 positive location clicks with barrel E as before. **WARNING** do not over-tighten the grub screws as the barrel E will lock up and will not turn, also do not unscrew too far either as there is a risk of losing the grub screws, the springs, and the location balls under them.

To set the jig for recurve arrow fletching or compound arrow fletching

The jig comes set to the standard recurve setting of cock feather out. To change the orientation of the cock fletch, slacken off screw D until you can rotate the barrel E within the plain barrel F. Set to desired position (usually about 90° clockwise for cock fletch up) and tighten. This can very easily be set if you have an arrow in the jig that is already set with the cock fletch in the position required in preparation for fletching the arrows to be worked on to use as a guide.

Setting the fletch angle

To set the angle that the fletchings will be glued on to the shaft, you will need to slacken off the 2 screws on the magnetic location bar G with an allen key and adjust to the required position before re-tightening the screws (fig 2).

If you already have a fletched arrow and you want to set the jig to match, just fit the arrow into the jig making sure that it is fully seated on the nock locator inside barrel F.

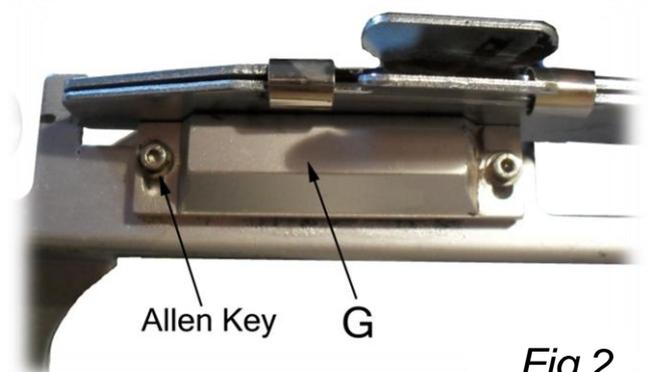


Fig 2



Wyke Archers

of Hull and the East Riding of Yorkshire

Fit the clamp to the upright fletch making sure it is fully seated onto the shaft. Slacken the two screws with the allen key enough to allow the magnetic location bar to move and settle in the right position, then re-tighten the 2 screws. You are now ready to start fletching.

A quick guide to fletching

If you have set the jig to match an existing arrow you will need to mark on the clamp or make a note of where the back of the fletch is located down the arrow shaft (fig 3). With the clamp on the cock fletch and setting down against the location bar as shown in fig 3, mark the clamp with a non permanent marker or sticker to show where the back of the fletch sits in the clamp. If not, use the measurements on the clamp as a guide to ensure all fletches are adhered in the same position up the arrow shaft.

Clean the shaft of you arrow as recommended by your chosen fletches supplied instructions. Set the jig to the cock fletch required position (i.e. with the screw D shown in fig 1), fit the cock fletch to the clamp, aligning the back of the fletch to your mark. *Clean the base of the fletch and spread a thin bead of glue evenly along the whole length of the fletch foot. Locate the back of the clamp against the location bar and press firmly down onto the shaft. It is best to hold the arrow firmly into the jig to prevent the shaft flexing when pushing the clamp down. Allow the glue to dry (usually 1 or 2 minutes), remove clamp, and rotate barrel to the next position and repeat above with your hen fletches. The screw on the clamp can be used to slacken it from the glued fletch before removal, though it should not be necessary if the

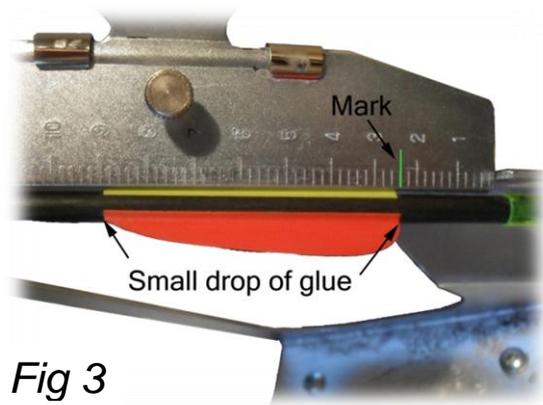


Fig 3

fletchings are set.

Finishing your arrows

When all 3 (or 4) fletches are adhered and dry remove the arrow from the jig and “top and tail” the fletches. Topping and tailing is where a small drop of glue is positioned at the front and rear of each fletch to ensure that the leading end and rear of the fletch are secured (fig 3), these points are where the fletch is most likely to become loose during everyday use.

You can now call yourself a Fletcher and with practice and patience you will have professional looking arrows every time!

**Please note Plastifletch EP and Easton Diamond vanes have an activator coating on the fletch foot and should not be cleaned before applying the recommended fast Set glue. If you use different glue, they should be cleaned as normal. Do not use oil based or solvent cleaners, surgical spirit is the preferred and recommended cleaner of choice.*

We have a Cartel Fletching Jig available to any member who wishes to have a go at fletching their own arrows. Assistance can and will be given if required, just ask!

*** The details in this guide are the same as the guide issued by Targetcraft Archery with every Cartel Fletching Jig they sell. There are many other poor unclear versions available on the internet (generally scanned versions on the original with the copywrite notice blanked) . This guide is only produced as a cleaner and clearer version for use by our club members only, and with expressed permission from Targetcraft Archery. No copyright infringement is intended***