Ockenden Timber
SPECIALIST WOODTURNING & CARVING SUPPLIERS

7mm Twist Pen Kit Instructions

Key

(A) Pen Nib
(B) Bottom Brass Tube
(C) Twist Mechanism
(D) Centre Band
(E) Top Brass Tube
(F) End Cap
(G) Ink Refill
(H) Clip



- Select a 16mm to 19mm (5/8" - 3/4") square pen blank which is at least 127mm (5") long. Mark a line along the grain of the blank – this will help keep the correct orientation of the grain. Cut the blank into two pieces. Each piece must be slightly longer than the length of the brass tubes to allow for squaring the ends.

- Drill a 7mm hole through each blank. Spread adhesive over the brass tubes and then insert the tubes with a twisting motion into the timber blanks. When the adhesive has dried, square up the ends of each blank using a pen blank trimming tool or a disc/belt sander.

- Mount the blanks onto a pen mandrel using spacers/bushings at each end and between the two blanks. Make sure the grain of the two blanks is aligned. Apply gentle pressure from a revolving centre in the tailstock to steady the mandrel. Tighten the clamping nut at the end of the pen mandrel.

- True up the blanks using a roughing gouge. Use a skew chisel to finish turning the pen to your desired shape. Sand the blanks down to the size of the spacers/bushings and apply your preferred finish.

- Use a pen press or vice with wooden/nylon jaws to press components together in the correct order (see diagram). First press the pen nib (A) into the bottom brass tube (B). Then press the twist mechanism (C) into the other end of the bottom brass tube. When assembling the mechanism be careful not to insert it past the line/groove as this will affect the operation of the finished pen.

- Press the end cap (F), clip (H) and top brass tube (E) together. Screw in the ink refill (G) and place the centre band (D) over the mechanism. The top and bottom of the pen can now be pushed together by hand and the grain of the timber aligned.

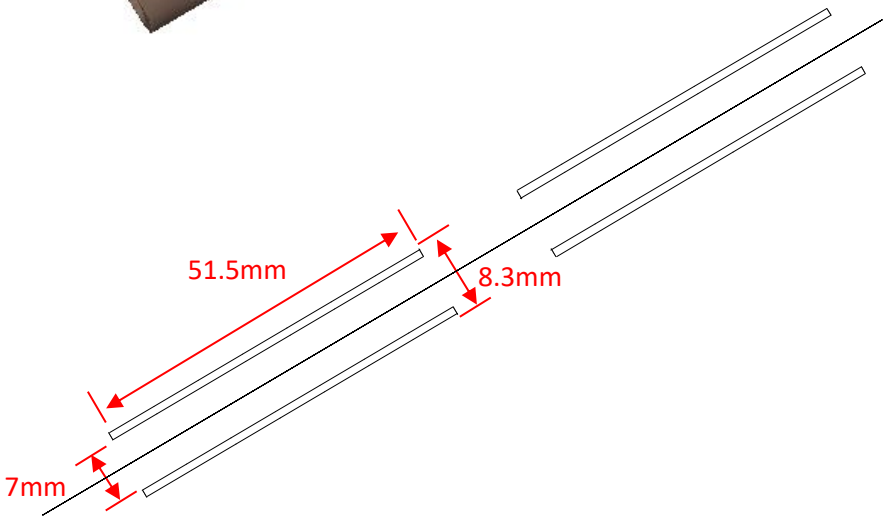
Hints & Tips

The easiest adhesive to use for gluing the brass tubes is a slow setting super glue. Epoxy resin is also commonly used. Pen drills are ideal for drilling all types of pen blank quickly and efficiently.

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Disclaimer: All information, sizes and diagrams are for use as a guide only.
Ensure that you follow all current health & safety legislation.

For more project instructions visit:

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