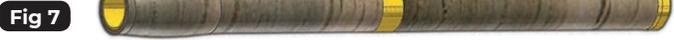
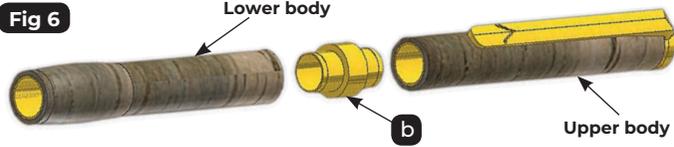
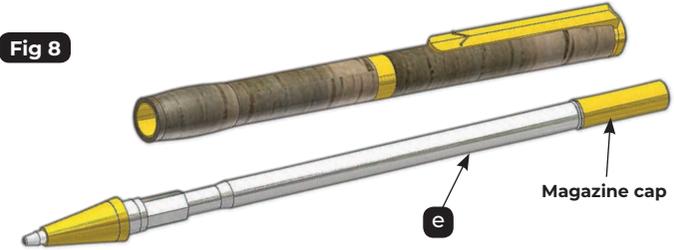


Pen parts Assembly...

Carefully align the Centre Joining Ring (b) with the 'upper' and 'lower' bodies (See Fig 6). Press the Joining Ring into the 'upper' body and then press the Joining Ring into the 'lower' body (See Fig 7).



Take the Pencil mechanism (e), remove the magazine cap/push button from the end, remove the eraser and gently shake out the lead. This is quite fragile and should be carefully kept aside until all 'work' has been completed. Carefully insert the Pencil Mechanism (e) from the lower end of the pencil. When it impinges on the lower body; press the mechanism firmly into the lower body (See Fig 8).



Note: it may not be possible to press the mechanism into the lower body from end to end, as the length of the mechanism itself may hold it off. A small packing piece with a hole to accept the upper end of the mechanism or a small tube to fit over the tip of the mechanism to enable the body to be pushed 'home'. It is suggested that the tip of the pencil is not rested against a 'hard' surface as the re-action for the 'push'. This is liable to damage the tip and the lead will not feed through.

Carefully feed a lead into the magazine, replace the eraser and the cap/button. Holding the pencil upright with the tip 2 or 3mm from a surface, press the button repeatedly until the lead appears at the tip. If there is too much lead extended, holding the button depressed will allow the lead to be pushed back into the pencil. The lead will lock as soon as the button is released.



Congratulations, one 'Click Pencil' complete.

More Information...



Axminster Tools, Axminster, Devon, EX13 5PH

axminstertools.com

AXMINSTER
woodturning

10 & 24kt Click Pencil Kits

Code No's: 340077-310493



Pen Kit Instructions



Instructions for the Pen Kits...

Kit No. 340077 10kt Click Pencil Kit
Kit No. 310493 24kt Click Pencil Kit

Below is a list of the items required to make the finished items from the purchased kits (Not including the body blanks). If you do not possess these items we have offered our catalogue stock code numbers alongside the items as a quick guide. We have tried to include everything in the list, although we realise that many woodturners will already have most of them.



Read manual before use



Ear protection should be worn



Eye protection should be worn



Dust mask should be worn



Foot protection should be worn

Required Items...

Alternatives are listed to cater for different lathe configurations.

Deluxe Pen Mandrel 1MT
 Deluxe Pen Mandrel 2MT

Order No:
 211322
 211323

60° Live Tail Stock Centre 1MT
 60° Live Tail Stock Centre 2MT

340202
 340203

7mm Drill Bit
 Axminster Universal Barrel Trimmer
 2 Part Rapid Epoxy Resin Adhesive
 Alternative Zap-A-Gap Adhesive (Cyanoacrylate)

502113
 700265
 340282
 990095

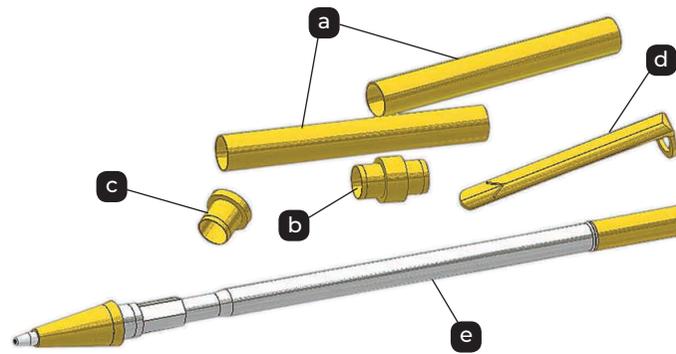
Recommended Accessories...

Quick Action Pen Blank Vice
 Axminster Deluxe Assembly/Disassembly Pen Press

600771
 106069

What's in the Kit...

2 Brass Tubes (52.5mm Long)	(a)	1 Click Pencil Mechanism	(e)
1 Centre Joining Ring	(b)	including Pencil Tip	
1 Pen Clip Retainer Cap	(c)		
1 Pen Clip	(d)		

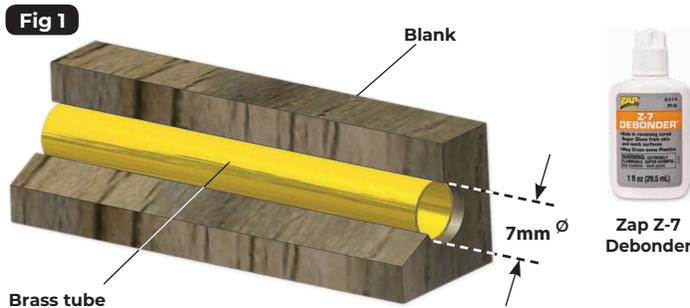


Preparing the Bodies...

Using 16mm (5/8") Square stock; cut the blanks to the length of the brass tubes adding 2-3mm to allow for trimming. The Pen Blank Sizing and Cutting Jig makes this process very much easier.

Drill a 7mm diameter hole through the centre of each blank. Care must be taken not to force the drill bit, (this may cause it to 'wander' from the centre line), and remember to back out the drill frequently to clear the debris from the hole. If you are using a pillar drill the Quick Action Pen Blank Vice is a very useful accessory for this task, it ensures that the blank is held upright and firmly in position. Moreover, if the vice is clamped to the table of the drill, it will provide accurate repeatability for all the blanks that require drilling.

When the holes are drilled, spread the adhesive randomly over the brass tubes and insert the tubes into the blanks using a twisting motion to ensure the glue is spread evenly between the two surfaces. Over insert the tubes into the blanks by approximately 1mm giving an allowance for the blank to be trimmed to size and the excess glue to be removed. (See Fig 1).



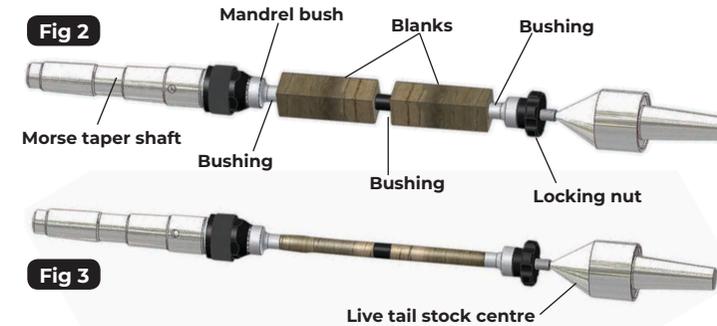
Warning. If you are using cyanoacrylate adhesive, exercise extreme caution and do not allow the adhesive to come into contact with the skin. If this happens keep the affected area from contact with any other surface, until the glue has hardened or you can treat the area with a softening agent similar to Zap Z-7 Debonder (990099), and you can remove the glue.

Allow the adhesive to dry thoroughly.

Using the Barrel Trimmer trim the ends of the blanks squarely and neatly to the ends of the brass tubes; this will also remove any excess glue that may have exuded from the joint. Take care not to undercut the brass tubes.

Turning the Blanks...

Slide an end mandrel spacer bush onto the shaft. Assemble the two tubed blanks onto the mandrel with a spacer bush in between; add the last end spacer bush and the locking nut. Tighten the locking nut to allow the assembly to be turned without 'creeping'. Do not overtighten, this may cause the assembly to distort, the bodies to split, strip the thread on the lock nut, etc. Mount the complete assembly onto your lathe. (See Fig 2).



Do not advance the tailstock centre with too much force. The current bulk of the blanks may be adding strength to the assembly but as the body diameters are reduced, too much force on the mandrel may cause it to distort/bow.

Turn the blanks to your preferred profiles, sand and finish as required to the diameters of the spacer bushes (See Fig 3). If you have added dissimilar profiles to the bodies, it is sensible to identify them somehow e.g. upper and lower body. Remove the finished bodies from the pen mandrel.

General Assembly...

Note. The Axminster Pen Assembly Press (106069) is a very useful accessory for these operations, as it gives greater control over the applied force and keeps the components in line.



Locate the Clip (d) and the Retainer Cap (c). Ensure they are carefully aligned (See Fig 4). Press the Clip Retainer through the Clip itself into the 'upper' end of the 'upper' body (See Fig 5).

