



Assembling the Ayres Pencil Kit

Drill size for tube = 10.7mm (SieDRL)

Bushing set = SieBHS

You will require at least a 56 mm long blank, drilled out to 10.7mm. Once the brass tube has been glued and has dried, the blank can be turned using a bushing set either on a mandrel or, alternately, between centres.

Once you have finished your blank, the pencil kit can be assembled as follows:

- 1) Place your chosen pocket clip (either the standard one supplied with the kit, or **one of our optional extras**) over the heel (rear) assembly and press into the heel end of your finished blank.
- 2) Screw the pencil mechanism into the pencil tip assembly.
- 3) Push the pen blank and heel (as assembled above) onto the pencil mechanism and push home until the front of the blank meets the nib assembly.
- 4) The pencil lead can be extended and retracted by twisting the 2 halves of the pencil in either direction. If you find the mechanism comes unscrewed instead of retracting the lead, the mechanism needs to be slightly tightened. To do this, place the pen, nib down, on a hard surface and extend the lead until it hits the surface. Continue to apply slight pressure. This will tighten the mechanism in the nib assembly. Do NOT use excessive force or you will damage the mechanism.
- 5) To replace the pencil lead, unscrew the mechanism from the nib section and twist the mechanism clockwise as if extending the lead. When fully extended, the small brass lead holder will protrude and finally a small brass pin will eject the small part of the remaining lead. Twist the mechanism back to withdraw the pin, re-insert a new lead into the brass holder and screw anti-clockwise to retract the lead back into the mechanism. Then re-attach the nib section.
- 6) The mechanism is fitted with an eraser. However we do not recommend the mechanism be removed from the back section multiple times as it may eventually affect the fit of the kit. The small rubber can be removed and kept loose in the heel cap for use if required.

Your pencil is now finished and ready for use.

After assemble, the nib ring part can be changed for a more decorative version (available separately). Please note the body colours are NOT interchangeable with the Ayres ballpoint pen kit.

We hope you enjoy making and using this unique pencil kit.