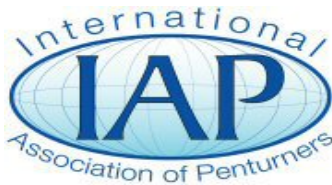


# **Aluminum Pen Tutorial**

**A Tutorial by:**

**Steven Jackson  
A.K.A “Skiprat”**

**This tutorial was downloaded from  
The International Association of Penturners**



**<http://www.penturners.org>**

Thought you may like to see how I made my latest pen.  
Cut up a piece of water pipe.



Flatten it out and select the least damaged bit.



Knock up a quick clamp to hold the body. Watch out where the screws are.



A splosh of CA to help hold.



Drill an arc through the body.





Don't clean up the burrs yet. They will offer more glue surface for now.



Glue in a bit of flower pot.



Form the copper with the holesaw off cuts.



Glue up complete. Decide where to fit brass tube.





I'm too scared and inexperienced to use a chisel, so I get it flush with a file.



The bottom half including the fixed CB



The finished pen.



This one is a standard slimline with the brass tubes in the normal positions. However, the lower half only has about 2/3 a blank on it. The other 1/3 goes into the longer body.

The other one is what has been called a 'twist nib' modification.

As you can see in the pic, there is a bit of a cheat. I make the metal part of the refill pass through the plastic end screw. If you wanted to sell a pen like this then you may want to extend this plastic bit, or use Russ Fairfields method, where he uses another slightly larger tube that does the reinforcing and a bare normal tube inside it. I don't sell pens so this is not a problem for me. You may have noticed that all of my twist nib pens are metal near the nib. This is planned, so I don't have to worry about very thin un-reinforced material at the nib end. Hope this helps🙏.

The copper is just any old scrap water pipe. This one was 22mm dia with a wall thickness of 1mm. Any diameter and thickness will do, as it is cut and flattened anyway. The other material in the body is aluminium ( aluminum in US ) this was originally an antenna that I got out of a skip ( dumpster )

It is 11mm OD and 7mm ID. This can be bought at most DIY shops though.

In the other pic showing two pens, the one with a copper body is also just small bore water pipe. This is also available from a DIY store. It too has 11mm OD and 7mm ID. Of course if you could get hold of solid material, you would just drill a hole.

