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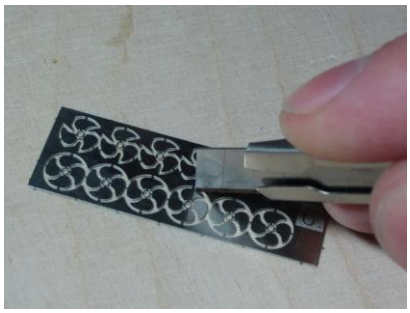
Assembly instruction for etched ship's propeller

These propellers are designed for shafts with a diameter of 0.6mm or 1.0mm. In the market, there are also motors with a shaftdiameter of 0.7mm!

Note: For a boat with two propellers, they have to rotate in the opposite direction. Viewed from behind, the left propeller turns clockwise and the right propeller vice versa.

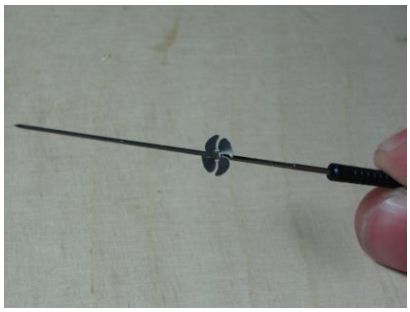
The following tools are required:

Wooden toothpicks
Conical reamer
Cutter knives
Pointed pliers
Soldering iron / station

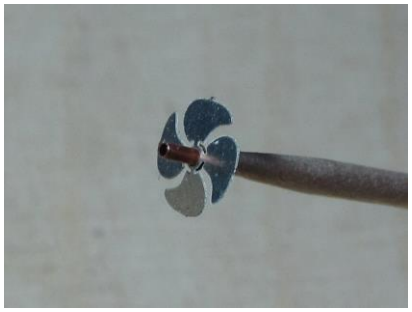


By cutting the support rods with the knife, carefully remove the propeller from the plate.

Cut as close as possible to the propeller to avoid burrs.



Exactly widen the hole with the reamer to 0.8 mm, so that the copper sleeve fits as good as possible without play.

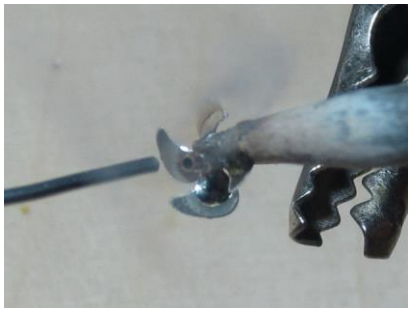


Place the copper sleeve on the toothpick for better handling. Then thread the propeller onto the copper sleeve.

Caution: Observe direction of rotation!

Use the pointed pliers to twist the wings evenly about 30°. The round side must point towards the thin end of the copper sleeve.

The result should look similar to this point.



Use a little bit of tin solder to solder the propeller evenly with the copper sleeve. Make sure that the kinks are also wetted with solder.

Two finished, counter-rotating propellers, ready for attachment to the motor shafts.

Finished!