



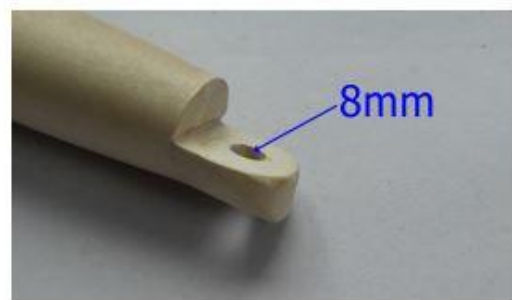
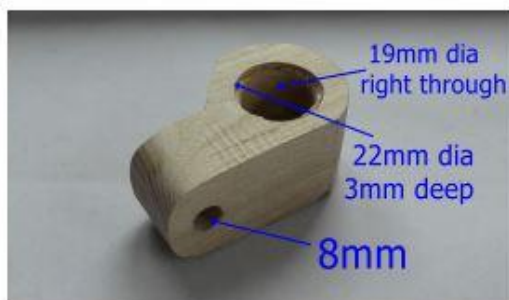
Bowl Sander Kit Instructions

The following is a rough guide to fitting. With the exception of the holes for the seated bearings, all the parts can be made to the size and shape that YOU want. The purpose of making your own tools, as well as the enjoyment and financial savings, is to get a tool that suits you. With this kit, you can make a long handled tool, short handle, square handle, fixed handle, pretty much any configuration you wish with whatever materials you have at hand.

To fit the bearings into the jointed head:

We recommend a wood piece 25mm thick, 60mm long, 35 wide.

- 1) Drill a pilot hole 7mm towards the top which is the centre of where the bearing will fit. Drill all the way through the 25mm.
- 2) Using a 22mm auger bit drill 3mm down on each side of the wood, use the bearing upside down to check its fit.
- 3) Using a 19mm auger bit, carefully centre the drill and drill all the way through. Drill from each side so as to not tear out the wood when the drill bit exits the part.
- 4) You can then shape this section as required for your configuration. Once shaped insert the bearings, the hex head screw and secure the nylon nut. Only tighten to the point where the fitting is secure and the bolt rotates freely.



Fitting an adjustable handle:

5) If you are making an adjustable handle, drill 8mm holes in the handle and the tilt-head part. Shape and curve to enable the parts to move.

6) Use the pack labeled "handle joint" and secure through the 8mm holes using the coach screw washer and wing nut.

Making the rotating head section:

7) Using a wooden piece about 60x60mm and 25-30mm deep, use an 11mm drill and drill down 15mm to accommodate the insert screws. Add a countersink and screw the part in with an 8mm hex key. This can then be mounted on the mandrel on your lathe and secured with the nut/washer provided.

8) Turn this part to approx 47mm and taper back to the insert screw end. Sand smooth and seal with a wood sealer. The smoother this part is, the better the self adhesive pads will stick.

9) Remove the rotating head you have made, place on the neoprene sponge backing and mark the circumference. Then cut the piece out with scissors. Do the same with the Velcro.

10) Remove the neoprene backing and stick to the wood. Remove the Velcro backing and stick to the neoprene.

You are then ready to attach the rotating head to the bearing shaft. Hold the nut with a spanner and screw on tightly. Add a sanding disc and you are ready to go.

When you have finished, you can plan what you are going to buy with the 40 EUR you have just saved on a shop-bought kit. And don't worry, if you make a mistake, all the metal parts can be removed and re-used time and time again.