



*This tool is ideal for construction of chairs and stools.*

*It's ease of use and multi-functionality make it a great addition to any woodturners workshop.*

The Oneway DrillWizard can be used to drill cross holes and then be reconfigured to precisely size tenons on spindles. It fits into your banjo and should fit any lathe with a 1 inch post and use any standard hand drill.

**IMPORTANT:** Combination drill (and screw drivers) with a clutch mechanism may not work with this jig.

### Cross-Hole Drilling

To use the DrillWizard set it up as shown in **Figure 1**. The drill holder is made to clamp onto the 42 MM ring that is standard on all hand drills. Install the drill as shown.

**Note:** The DrillWizard works best if the drilling is done with your left hand and the drill mount is mounted in the front holes of the slide.

Make sure you are drilling on center by **adjusting the collar** on the post. If your drill is too high there are extra holes on the bottom of the drill holder and you can re-mount it lower.

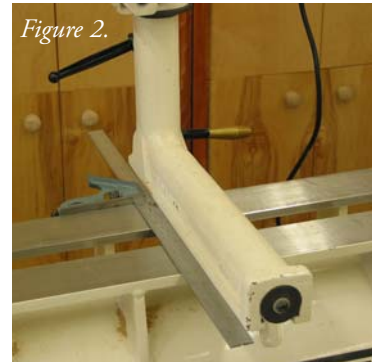
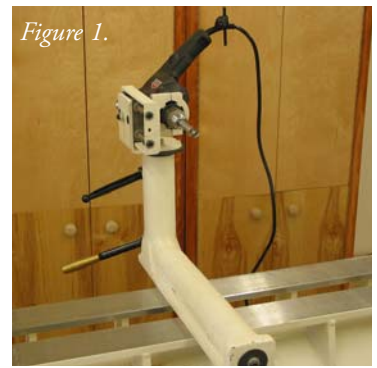
Position the DrillWizard so that the angle scale is to the left and the 0 degree mark is at the far left (at the 9 o'clock position). Location of the angle scale is not critical, but positioning it this way will give the scale the best visibility. Tighten your banjo. Next, loosen off the lock bolt and turn the DrillWizard so that the indicator is at the zero degree mark. Now set your banjo square to the bed of your lathe (Refer **Figure 2**).

Loosen off the tool post clamp and set the back plate of the DrillWizard square to your tailstock quill (Refer **Figure 3**). Tighten down your tool post clamp. At this point you should not loosen off the toolpost clamp. Any angular adjustments are made by loosening off the DrillWizard clamp bolt and setting the angle with the scale. Positioning is done by moving your banjo along the bed of your lathe and then squaring up the banjo when you have it in the correct location (Refer **Figure 4**).

The eye bolt on the end of the DrillWizard is for setting the depth of your holes. The thread on the eye bolt is 20 threads per inch so each turn of the screw is equal to .050 inches i.e.  $\frac{1}{2}$ " is equal to 10 turns on the screw. Once you have the depth set, you can lock the eye bolt in place with the locking nut so that you can repeat the depth.

### Maintenance & Upkeep

It is a good idea to put a bit of oil on the screw and the cutter holder of the tenon turner occasionally and to cover up the slot with a piece of tape to keep the shavings out.



*Eyebolt (used to set hole depth)*

