

# Dowel Jig Instructions

The Peachtree Dowel Jig is designed to create professional dowel joints in most any type of wood. The dowel jig can be used for a great many purposes, including: tables, chairs, cabinets and more. The jig can be used with most power drills (electric or battery powered).

**CAUTION:** Make sure the power supply is disconnected on your power tool(s) or machinery before making any adjustments. Don't use any tools with out the proper safety guard(s) in place or without reading the instruction manual that came with the unit. Always wear the proper eye, ear and respiratory equipment when using power tools.

## Parts for the Peachtree Dowel Jig

### The Dowel Jig Includes

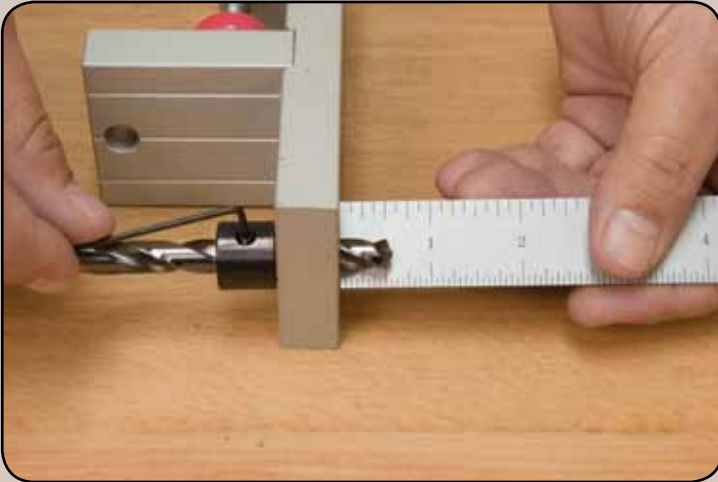
1. 1 ea. dowel jig
2. 1 ea. auxilliary clamp head
3. 3 ea. depth stops
4. 3 ea. alignment pins
5. 6 ea. 1/4" wood dowels
6. 6 ea. 5/16" wood dowels
7. 6 ea. 3/8" wood dowels
8. 2 ea. hex key wrenches



## Dowel Jig Tips / Helpful Hints

1. For narrow stock pieces it may be necessary to shorten the dowel pin or to drill a deeper hole in the edge of the matching board.
2. It is always a good idea to make practice joints on scrap stock pieces before using your new dowel jig.
3. Be sure to use the depth stop to prevent drilling too deep and to acheive even drilling depth on all of your holes.
4. Only use 1/4", 5/16" and 3/8" drill bits with this jig to avoid any type of damage. Always withdraw the bit as necessary to clear out the wood shavings from the hole and drill bit.
5. Don't glue up your boards until you have the entire dowel joining process complete. Gluing your stock too soon may result in an undesirable fit of your joints.
6. Longer stock pieces may require support to keep your stock properly aligned. A small piece of wood cut to the proper thickness usually does the trick.

## Setting the drilling Depth *(done prior to using the dowel jig on any project)*



Place the proper size collet onto the corresponding drill bit you are going to use. Slide the bit through the proper (same size as the drill bit) hole on the Dowel Jig. Set the depth of the bit to 1/8" longer than half the length of the dowel pin you are using. For example: if the dowel pin is 1" long then half the length is 1/2". Add 1/8" to 1/2" for a total depth of 5/8". This depth must be set so that 5/8" of the drill bit protrudes through the jig as shown in photo. Once the correct depth is achieved, secure the stop collet with the hex key wrench.

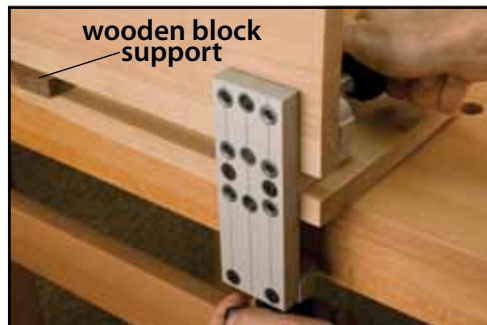
## Setting up and drilling Dowel Corner Joints

### Step 1



Place the stock pieces to be drilled into the dowel jig as shown in photo above. One board should lay flat, while the other stands vertically. Use a square to ensure the both pieces are aligned correctly.

### Step 2



Once your boards are aligned, secure both stock pieces to the jig using the dowel jig knobs.

*Note: depending on the length of your stock, you may need to support the opposite end with a block or shim to prevent any misalignment of the dowels.*

### Step 3



Drill the holes in both the top and bottom pieces of your stock.

### Step 4



Once drilling is complete, loosen the knobs on the jig. Move jig to the next desired location and repeat steps 1 - 4 of this section until all of your holes are drilled.

### Step 5



Once all of your holes are drilled apply glue to dowels and you are ready to assemble your joint.

*Note: You may want to dry fit your joints before applying the glue to ensure proper alignment of your boards.*

## Setting up and drilling End to End Joints

### Step 1



Place the stock pieces to be drilled into the dowel jig as shown in photo above. Both boards should be laying down horizontally. Use a square to ensure the both pieces are aligned correctly.

### Step 2



Once your boards are aligned, secure both stock pieces to the jig using the dowel jig knobs.

*Note: depending on the length of your stock, you may need to support the opposite end with a block or shim to prevent any misalignment of the dowels.*

### Step 3



Drill the holes in both the top and bottom pieces of your stock.

## Step 4



Once drilling is complete, loosen the knobs on the jig. Move jig to the next desired location and repeat steps 1 - 4 of this section until all of your holes are drilled.

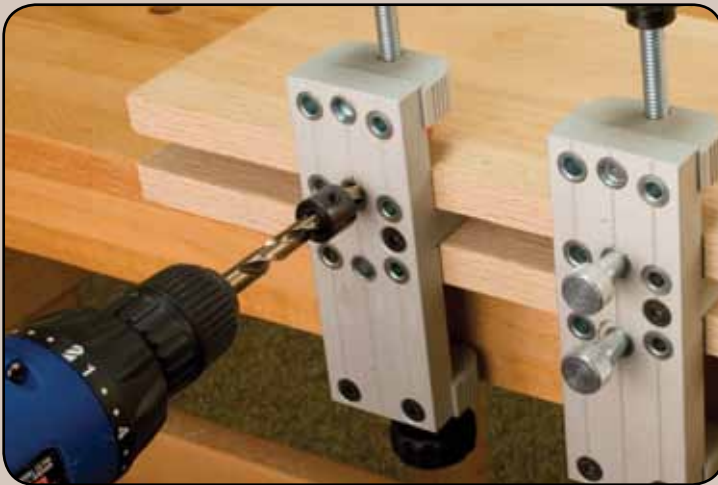
## Step 5



Once all of your holes are drilled apply glue to dowels and you are ready to assemble your joint.

*Note: You may want to dry fit your joints before applying the glue to ensure proper alignment of your boards.*

## Alignment pins (for use with a second Peachtree Dowel Jig)



By adding a second Peachtree Dowel Jig (sold separately) you will be able to use the alignment pins, which are perfect for keeping your stock in place while you shift or slide the second dowel jig into position. Once your initial holes are drilled, insert the appropriate alignment pins into those two holes. Now, loosen the second dowel jig and slide it into position and secure. You are now ready to drill your second set of holes. Using a second jig cuts your drilling and setup time in half.