

Bowl and Tray Template Kit Instructions

The perfect system for making beautiful bowls and trays with your router. Choose from 5 different templates to create your own custom bowl or tray. You can make up to 3 different bowl / tray styles with certain templates to create different styles to achieve a look all your own!

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.



The Peachtree 5 Piece Bowl and Tray Template Kit

Includes

- **5 unique templates** - Each template is countersunk with 4 holes for securing it to your stock piece for the routing process. The templates also have pre-milled outer edge guide slots to make the layout process and achieving the exact thickness of your bowl or tray quick and easy.
- **1 dish carving router bit** - The dish carving bit is used to remove all the remaining stock that will be left behind from the forstner bit rough cutting process.
- **1 router bit extension collet** - The router bit extension collet will allow your to make the depth of cut that is necessary with the dish carving router bit.
- **4 wood screws** - The screws are used to secure the template to your stock during the routing process.

Additional items you will need to make your bowls and trays.

1. **Router** - at least 1 $\frac{3}{4}$ hp or larger preferably with variable speed control
2. **Forstner Bit** - 1 $\frac{1}{4}$ " to 2 $\frac{1}{2}$ " in diameter for removing the large amounts of stock during the rough cutting process.
3. **Drill Press or Power drill** - a drill press is recommended for better stability when drilling.
4. **Bandsaw or Jigsaw** - The bandsaw or jig saw is used to cut the outside profile on the stock piece once the inner portions are all removed.
5. **3/8" Roundover bit** - (available at www.ptreeusa.com) is used to roundover the edges to produce a classic smooth look on the edges of your bowl or tray.
6. **Bowl Sander Drill Attachment** - The bowl sander (available at www.ptreeusa.com) is an economically priced accessory that works on a standard power drill, it will allow you to get into the natural curves of your bowl or tray much more efficiently than using standard sandpaper.
7. **Router Base Plate** - This base plate can be made from any material including plywood, MDF or Clear Acrylic (polycarbonate) to see exactly where and what you are cutting. The plate must be large enough to keep the router from tipping into the rough cut out portions of the bowl or tray and must have a hole drilled in the center that is at least 1 $\frac{3}{8}$ " in diameter to accommodate the size of the dish carving router bit.

Step 1

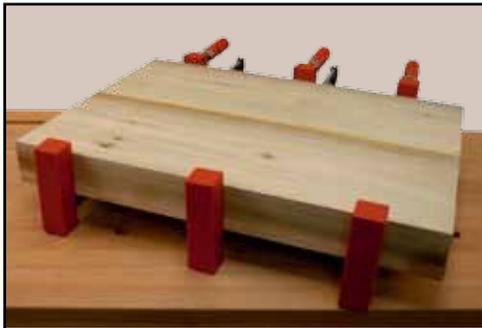


Layout and account for all of the parts and pieces. Make sure that you have everything that is included with the Bowl and Tray Kit as well as the additional tools and accessories that we're listed on the previous page.

Caution:

Always follow the manufacturer's guidelines and safety procedures when operating power tools.

Step 2



Decide what type of wood you want and what template you want to use. We are going to use the large 23½" Oval template in this example, which means our stock piece must be at least 26" long x 18" wide to accommodate the template placement on to the stock piece. Using 2" thick stock is the ideal thickness for making bowls and trays, however you can laminate pieces together to achieve the desired thickness as well. (Note: 2¾" is the maximum cutting depth of most routers).

Step 3



Once you select your stock or you have finished the laminating process, prepare your stock by cutting it to size. In this case we will be cutting the stock to 26" long x 18" wide. (Note: when cutting the blank size, always make sure you are leaving enough material to attach your templates.) Once the blank is cut to size, finish preparing the stock by joining and planing all four sides to make sure the stock is flat and square. Also, remove any glue residue, and sand both sides of the stock.

Step 4



Place the template on top of your stock and align it to one side making sure the pre-drilled holes are within the edges of your stock. You may use double face tape to keep the template from moving. Trace the inside of the template pattern on to your bowl or tray stock.

Step 5



Your templates have additional slots milled into them at the proper thickness for the outside edge of your bowl or tray. Trace the inside edge of the slot.

Shop Note:

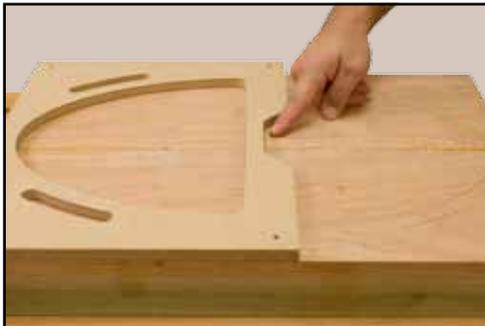
This line is what is used to set your calipers or compass when laying out the outside rim of your bowl or tray.

Step 6



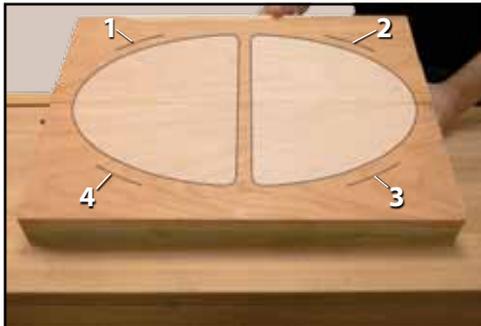
Your templates are also milled to the proper thickness for setting the divider partition. Using a pencil, trace this mark onto your bowl or tray.

Step 7



Lift the template and rotate it to the other side of your stock, making sure the pre-drilled holes are within the edges of your stock. Align the center recess with the inside line marked in step number 4. This will give you the exact partition spacing that is necessary so there is no need for measuring. Trace the template as shown in steps 4 and 5. Remove the template from the stock.

Step 8



Your stock should resemble the illustration shown above. Note the line patterns. The four curved outer lines represent the outer edge of the rim on your bowl or tray.

Step 9



Set your drill press or power drill up with at least a 1 1/4" diameter forstner bit. Adjust the depth of the bit so the center point does not surpass 1/2" from the bottom of the stock. Begin removing the stock from the blank on the inside of the pattern. Bore the holes to within 3/16" from the inside edge of the pattern(s) you traced on to your bowl or tray.

Step 10



Once the bulk of the material is removed from all of the partitions, place the workpiece on a flat, stable surface. Secure the stock with c-clamps or f-clamps so that it will not move during the routing process.

Shop Note:

A rubber router mat may be used to keep stock from moving in most cases.

Step 11



We are working on the largest template in the bowl and tray set, which means an oversized base plate that is at least 25 1/2" long x 9 1/2" wide x 3/8" thick must be attached to your router. This is done to keep your router stable during the routing process. You may use plywood, MDF or even clear acrylic plastic. Be sure that you have cut a hole at least 1 1/2" in diameter in the center of the plate to accommodate the dish carving router bit.

Step 12



Place the MDF template back onto the stock piece and align the template exactly to one of the traced outlines. Secure the template with the 4 wood screws in the pre-drilled countersunk holes. The holes should be on the outside of the pattern lines and the screws should be below the surface of the MDF so there is no interference with the routing process.

Step 13



Most routers can't adjust high enough with the collet extender on to make the first couple of passes. You may need install the dish carving bit directly into the router to make the first two passes. Set the bit height so the bearing rides along the template edge and does not contact your workpiece.

Step 14



Adjust the speed of your router for the size of your router bit. With your router bit set for the initial pass. Place the router in the center on top of your template with the bit free from contacting any of the stock.

Shop Note:

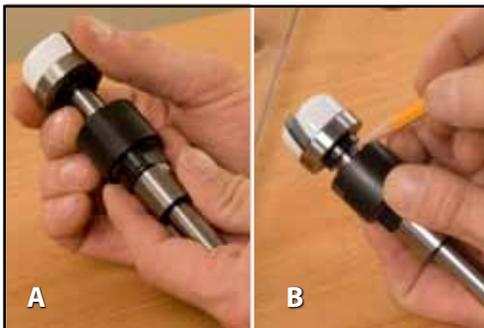
When using router bits or router bit extender, things such as depth of cut, feed rate and material type should be considered to find the proper speed setting of your router to maximize the smoothness of your cut.

Step 15



Plug in your router and starting from the center of the template, turn your router on and slowly work towards the edge of the template. Once the bearing of the router bit meets the edge of the template, cut along and around the full perimeter. Repeat this process lowering the bit 3/8" or less, until you're able to attach the collet extension.

Step 16



Install the dish carving router bit into the router bit collet extension and secure with the appropriate size wrenches (A).

Caution:

When installing the bit into the extension DO NOT FULLY SEAT the router bit shank into the extension. Make sure the shank is at least 1/16" off the bottom of the collet extension (B).

Step 17



Unplug your router. Install the router collet extension and dish carving router bit assembly into the router and secure with the appropriate size wrenches.

Caution:

When installing the assembly into the router collet DO NOT FULLY SEAT the assembly shank. Make sure the assembly shank is at least 1/16" off the bottom of the router collet.

Step 18



With the collet extension installed on your router repeat step 15 until you reach your final depth of cut. Turn off your router and make sure the bit comes to a complete stop and remove the router from the bowl or tray template. Remove the template from the completed pattern.

Step 19



One portion of your bowl or tray should now be fully cleaned out. Place the template on the next section to be cleared out and align it to the tracing previously drawn in steps 4-6. Secure the template with the 4 wood screws in the pre-drilled countersunk holes. The holes should be on the outside of the pattern lines and the screws should be below the surface of the MDF so there is no interference with the routing process.

Step 20



With your template secured to your stock. Repeat steps 13-18 until the entire bowl or tray is cleared out. Turn off your router and make sure the bit comes to a complete stop and remove the router from the bowl or tray template. Remove the template from the completed pattern.

Step 21



Now that all the partitions are cleared out, you need to mark the outer rim of the bowl or tray. To do this, we will use the outer scribe lines marked in step 5 of these instructions. Take a standard compass and by simply using the outer lines as a guide, connect each one of the lines. This should produce a uniform line all the way around the routed out area of the bowl or tray.

Step 22



Using a jigsaw or bandsaw, cut the excess stock off of the bowl or tray. Remember to stay just off of the outside line while you cut and keep the cut as smooth as possible as this will prevent extra sanding later.

Step 24



With the pencil marks around the perimeter as a guide, sand the outer edge clean and smooth.

Step 25



If so desired you can use a 3/8" roundover bit for the top edges of your bowl or tray. To do this, use a router mounted to a table top to produce the best results. You may also round the edges by sanding if preferred.

Step 25



Using a bowl sander or standard sandpaper, sand the interior of the bowl or tray thoroughly, starting with 80 grit and working your way up to at least 220 grit.

Step 26



Now you are ready to apply the finish. Food safe finishes include mineral oil, salad bowl finish and shellac.

Step 27



Your finished Bowl or Tray should resemble the photo shown above!

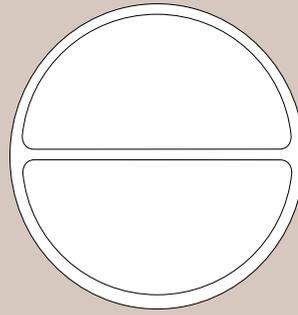
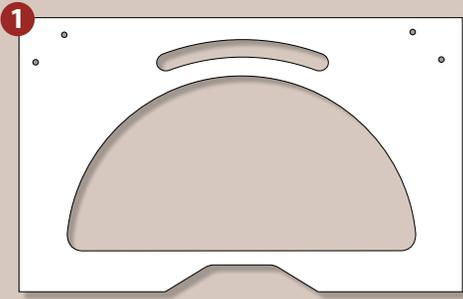
Be creative with 5 different Templates to choose from



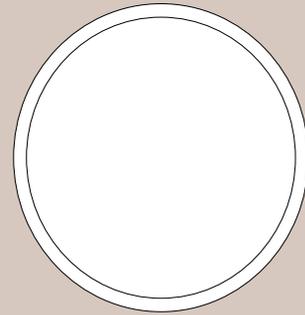
With five different templates you can create unique bowls and trays with different patterns. Use each individual template to make your bowl or tray. On the next page we show you 10 different styles of bowls or trays you can make just by cutting or not cutting out certain sections of the patterns, however, you can actually make more styles or designs than we show. Let your creative side take over by combining different templates!

Note: Some of the template pattern combinations may require some extra layout preparation. Please note that when combining certain template patterns, the templates may not line up. When laying out your design, use a piece of scratch paper first before marking your stock to get a good idea as to how your bowl or tray is going to look.

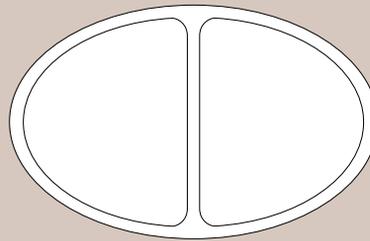
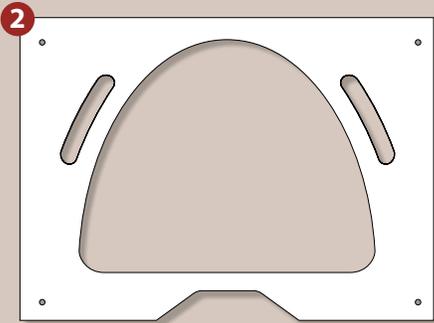
Create Multiple Styles and Designs with these Unique Templates



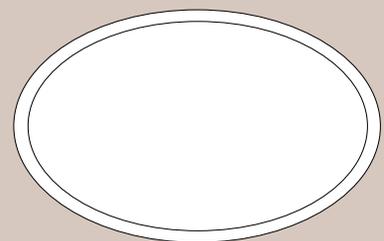
Half Circle



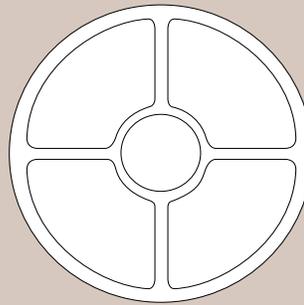
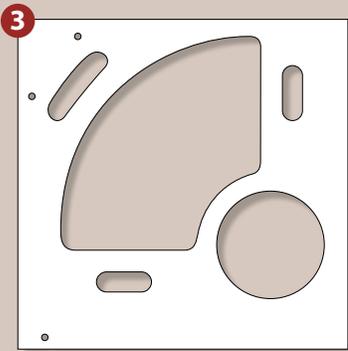
Full Circle



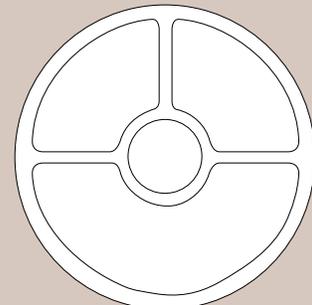
Half Oval



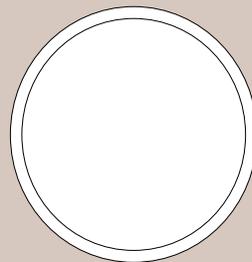
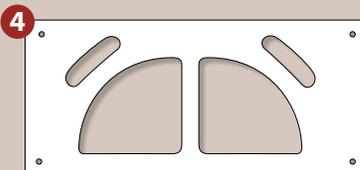
Full Oval



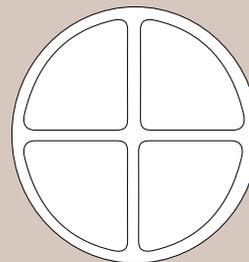
4 Section Circle



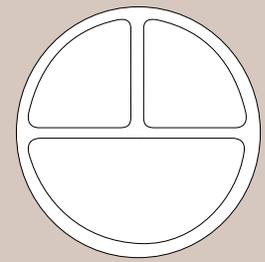
3 Section Circle



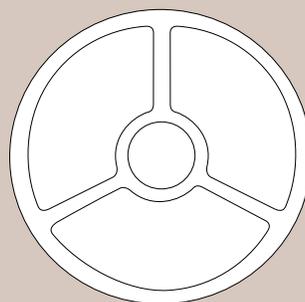
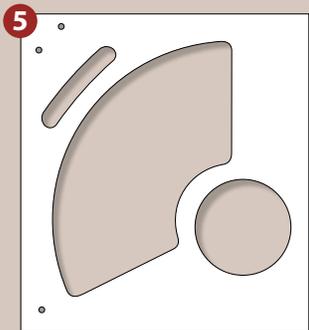
Full Mini Circle



4 Section Mini Circle



3 Section Mini Circle



3 Section Circle

Drawings are not to scale