BUILD IT WITH ROCKLER PROJECT PLAN

BAR TOOLS AND RACK

BUILD

QUESTIONS? Go to www.rockler.com or call 800-279-4441

Stock #	Item
65986	Complete Set of Rockler Bar Tool Turning Kits
64885	1/4" x 1-1/2" x 24" Maple (1)
37482	1/2" x 3" x 34" Maple (1)
36016	1/2" x 3" x 24" Curly Maple (1)
36062	1/2" x 3" x 24" Bubinga (2)

All items subject to changes in availability.

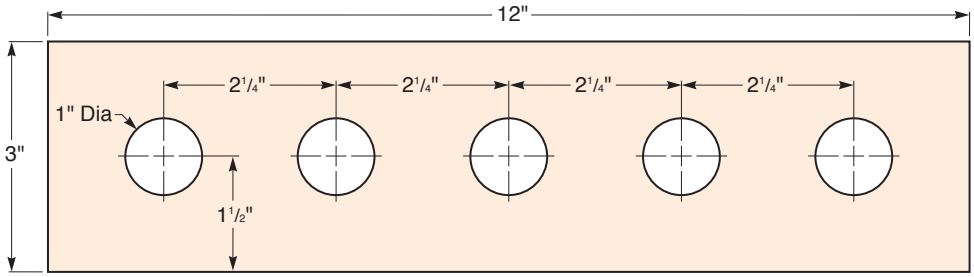
Stock #	Item
51530	Mandrel - 3/4" Shoulder, 1/4"-20 Threads
53433	1” dia. Forstner Bit
20777	1/2" Drill Chuck
20785	#1 Morse Taper *
20793	#2 Morse Taper *

* Select to match spindle taper of lathe.

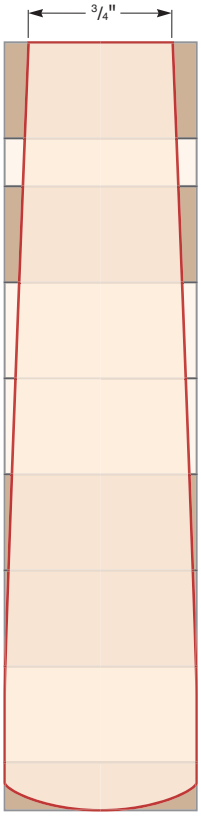
Stock #	Item
Individual Bar Tool Kits	
50866	Rockler Cocktail Strainer Turning Kit
55073	Rockler Muddler Turning Kit
50371	Rockler Double Jigger Turning Kit
36016	Rockler Bottle Opener Turning Kit
50710	Rockler Bar Spoon Turning Kit

BAR TOOL HANDLE AND RACK PARTS

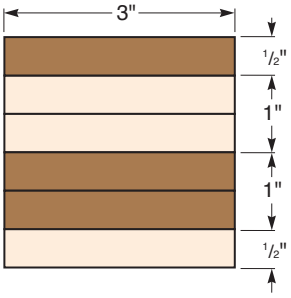
Bar Tool Rack Top and Bottom Hole Layout Detail



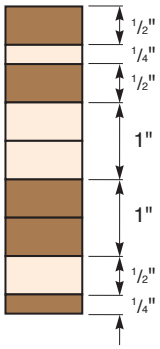
Handle Shape Detail



Rack Side Assembly



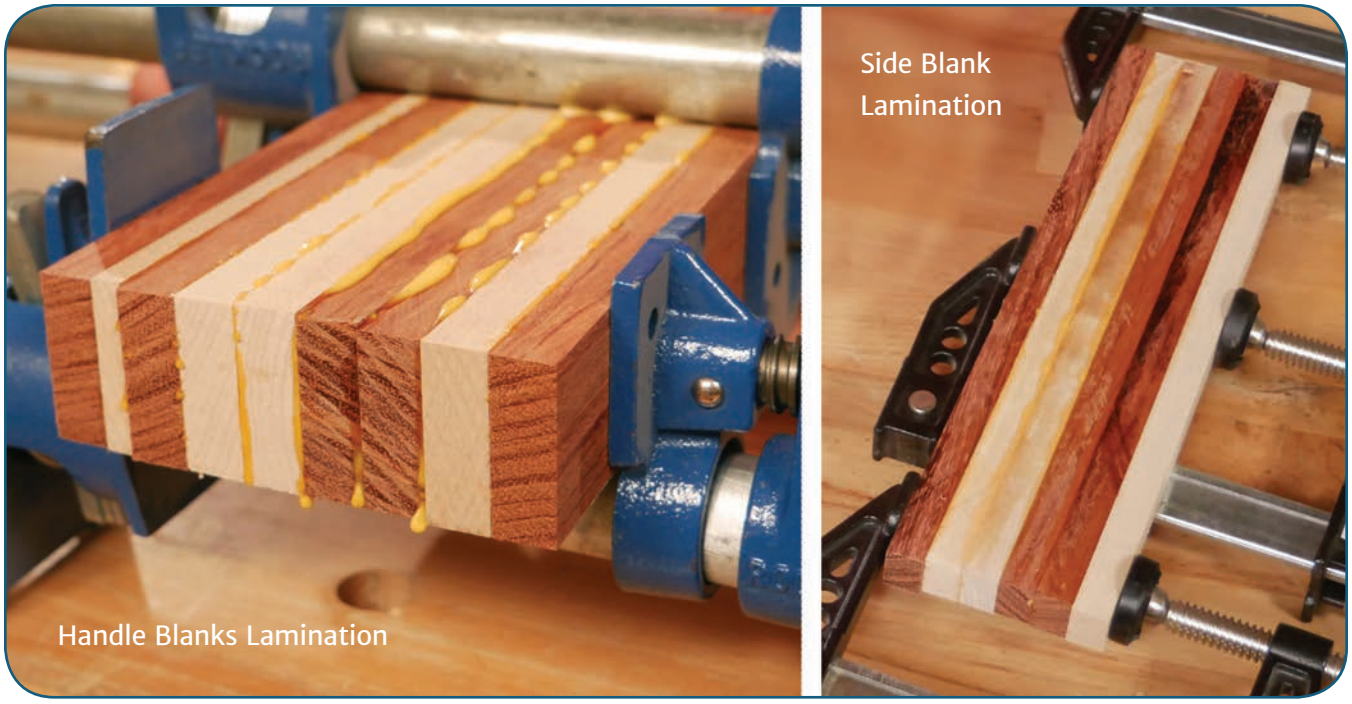
Handle Blank Assembly



MATERIAL LIST

		T x W x L
Bar Tool Handles		
1	Dark Wood Handle 1/2" Laminations (5)	1/2" x 1¼" x 6¾"
2	Light Wood Handle 1/2" Laminations (3)	1/2" x 1¼" x 6¾"
3	Light Wood Handle 1/4" Laminations (1)	1/2" x 1¼" x 6¾"
Bar Tool Rack		
4	Dark Wood Side Laminations (3)	1/2" x 1/2" x 7"
5	Light Wood Side Laminations (3)	1/2" x 1/2" x 7"
6	Top (1)	1/2" x 3" x 12"
7	Bottom (1)	1/2" x 3" x 12"

1. GLUE UP THE HANDLE BLANKS AND RACK SIDES

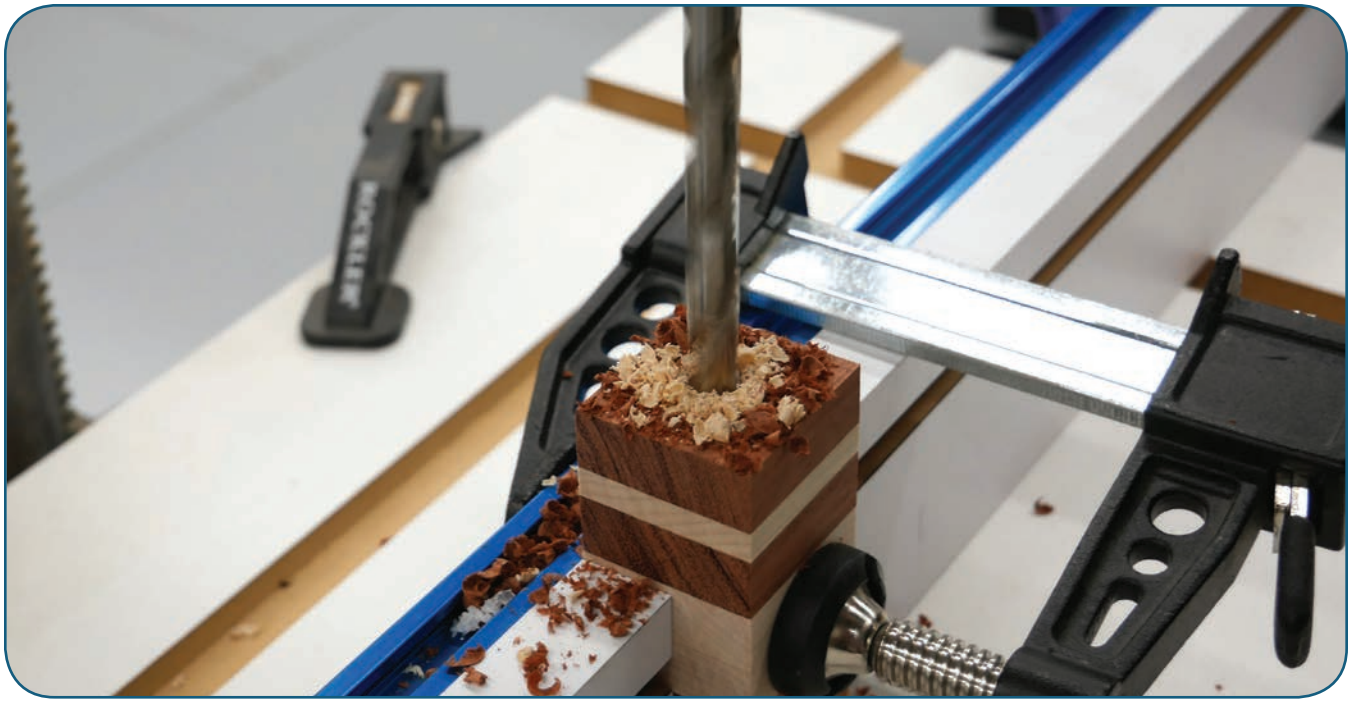


Cut the handle laminations and rack side laminations to size (see Material List, p.2). In this case, we used maple and bubinga, but you can substitute your own combination of wood species. Apply a thin layer of wood glue to the mating faces of each lamination and clamp the handle blank and side blank.

2. CUT THE INDIVIDUAL HANDLE AND SIDE BLANKS

After the glue has cured, use a miter saw, table saw or band saw to cut the individual handle turning blanks and rack sides from the larger laminations. Set up a stop block to make it easy to cut the blanks the same width.

3. DRILL THREADED INSERT HOLE IN HANDLE

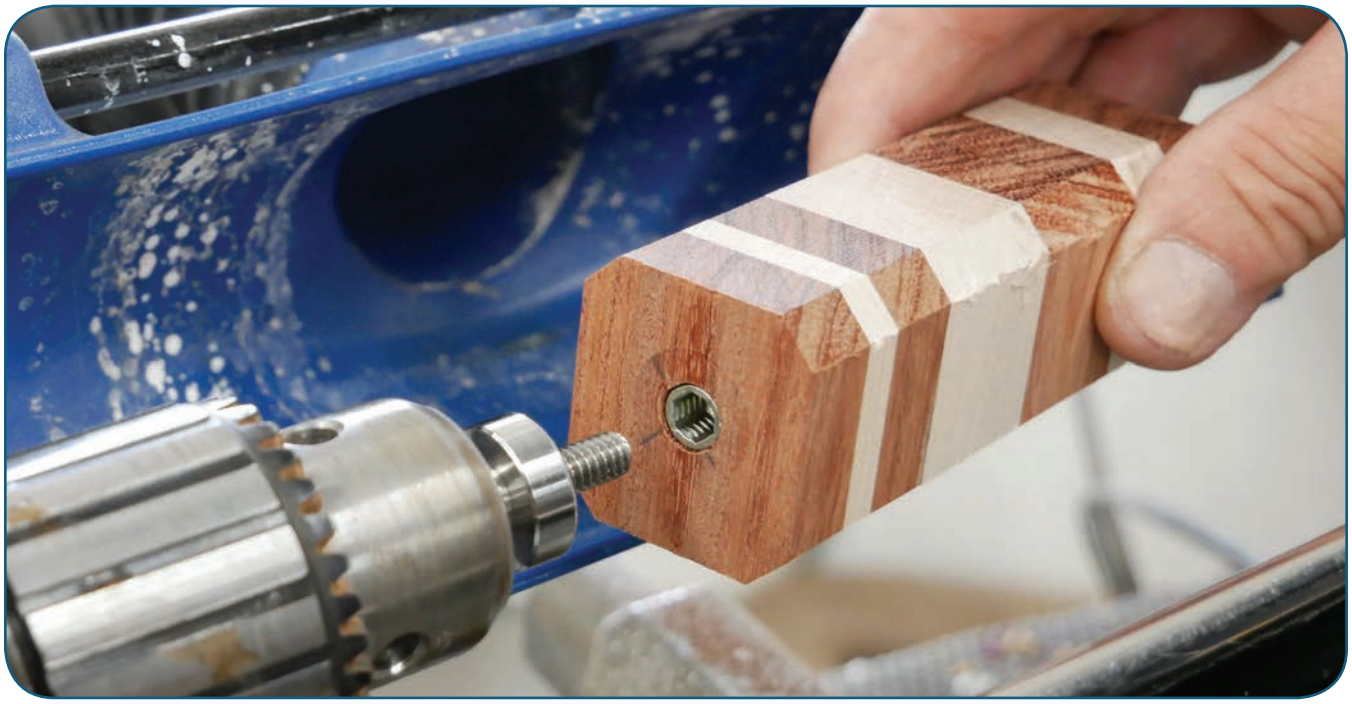


Drill a 3/8" dia. x 1" deep pilot hole in the center of the tool end of the handle blanks.

4. INSTALL THE TREADED INSERTS

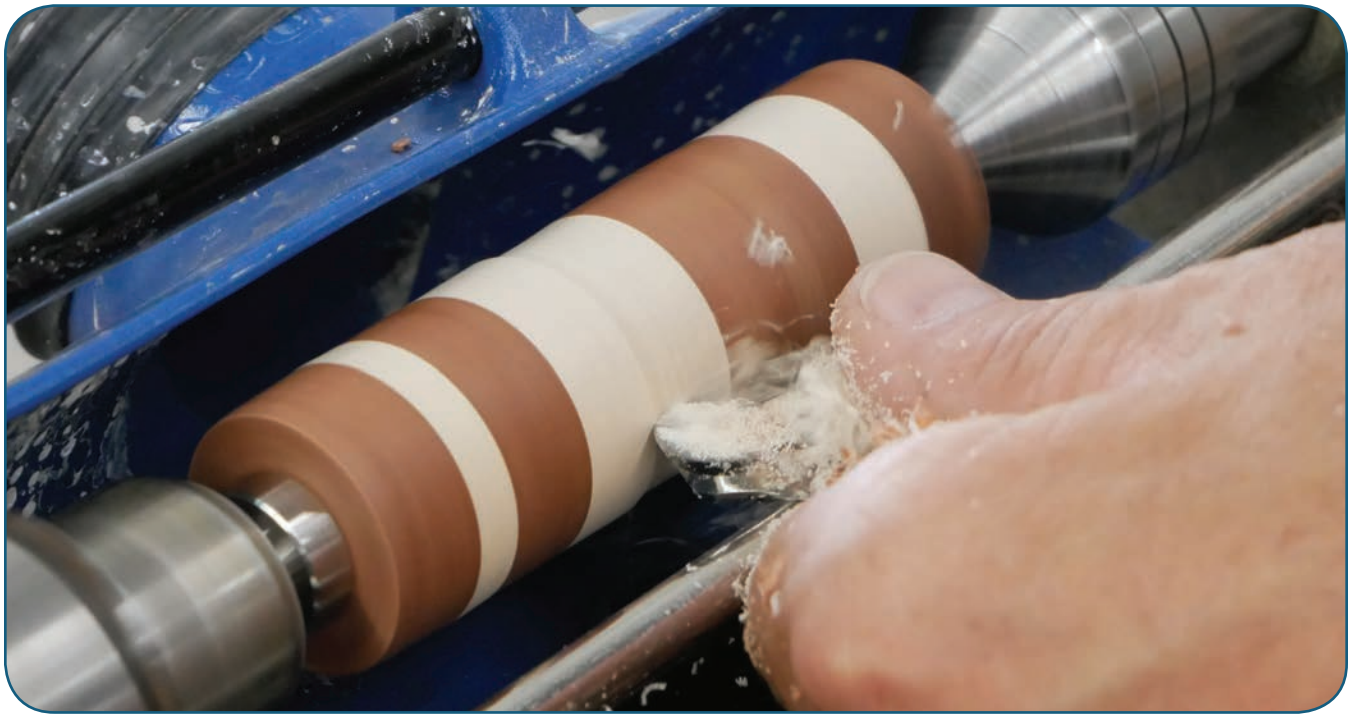
Use a hex key to twist the 1/4"-20 threaded insert into the end of the handle blanks.

5. MOUNT THE HANDLE BLANKS ON THE MANDREL



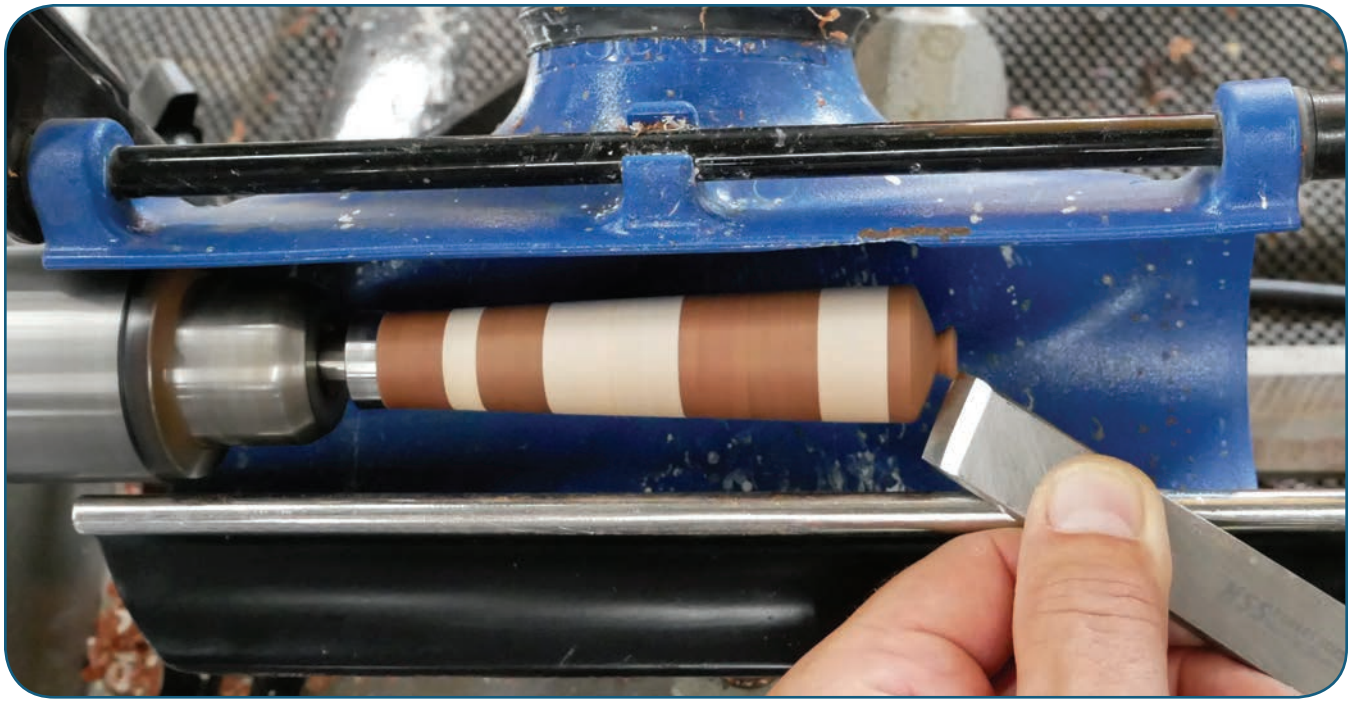
Mount a drill chuck on your lathe. Then install the mandrel with 3/4" diameter shoulder and 1/4"-20 threads in the chuck. The shoulder diameter of the mandrel matches the diameter of the bar tools. Thread the handle blank on to the mandrel.

6. TURN THE HANDLE BLANKS



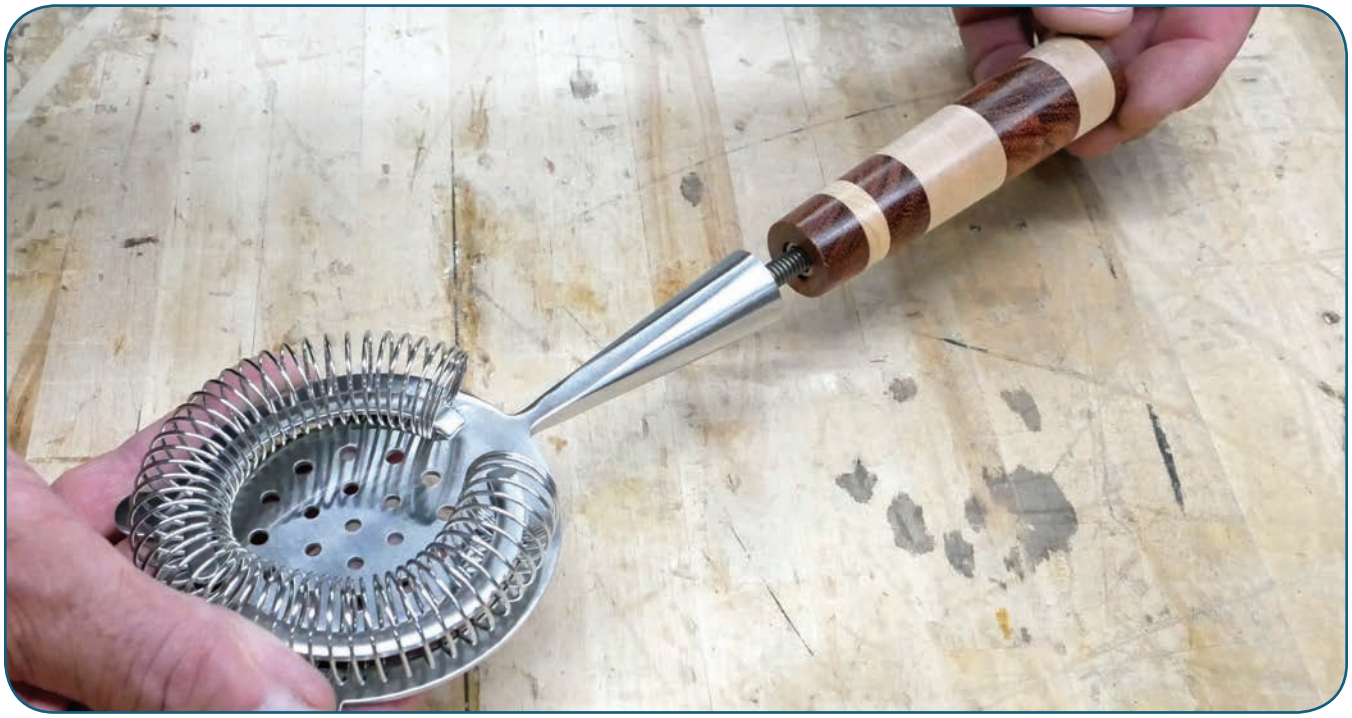
Secure the other end of the handle in the lathe with a live center mounted in the tailstock. Turn the handle blanks to the shape you like. Use the mandrel shoulder as a guide to determine the diameter of the end of the bar tool. The diameter of the mandrel shoulder matches the diameter of the tool where it contacts the handle.

7. ROUND THE END OF THE HANDLES



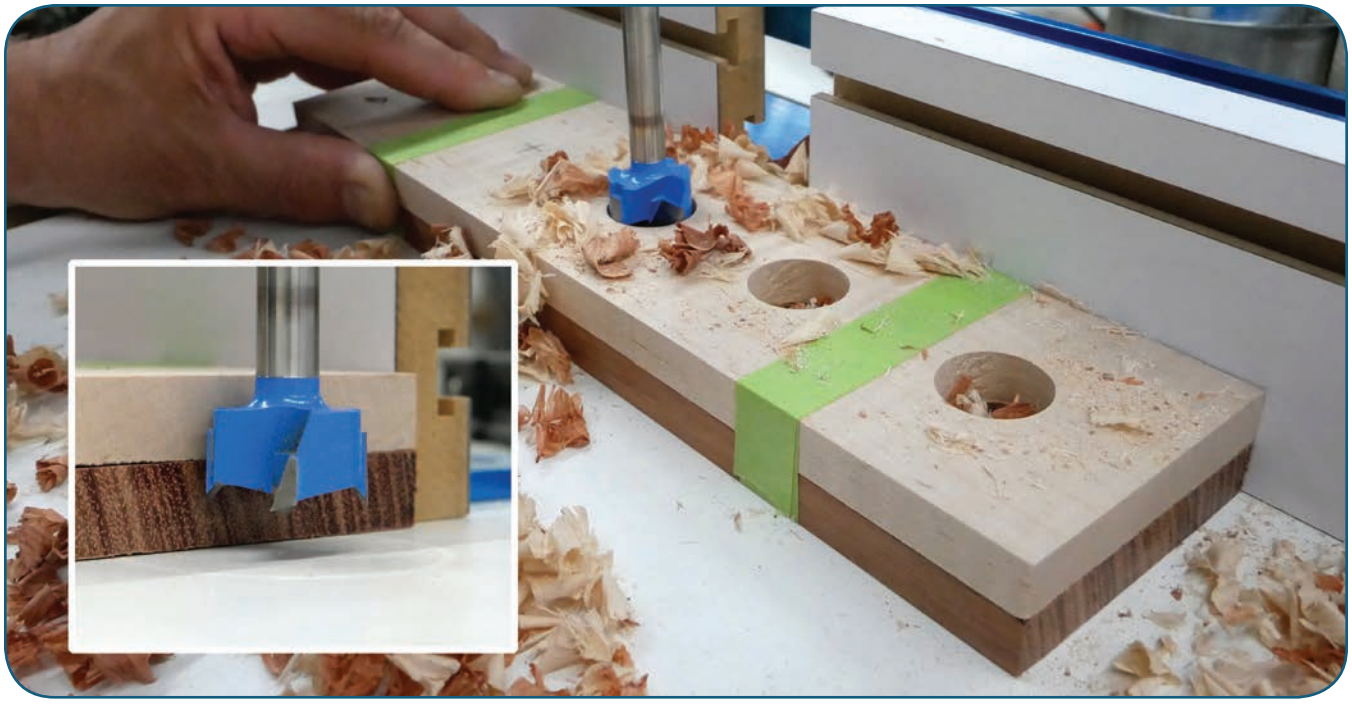
After turning the body of the handle, pull back the tailstock and live center to round the end of the handle. Remove a 1/4" of material from the end to match the depth of the holes you will drill in the tool rack.

8. THREAD HANDLES ON THE BAR TOOLS



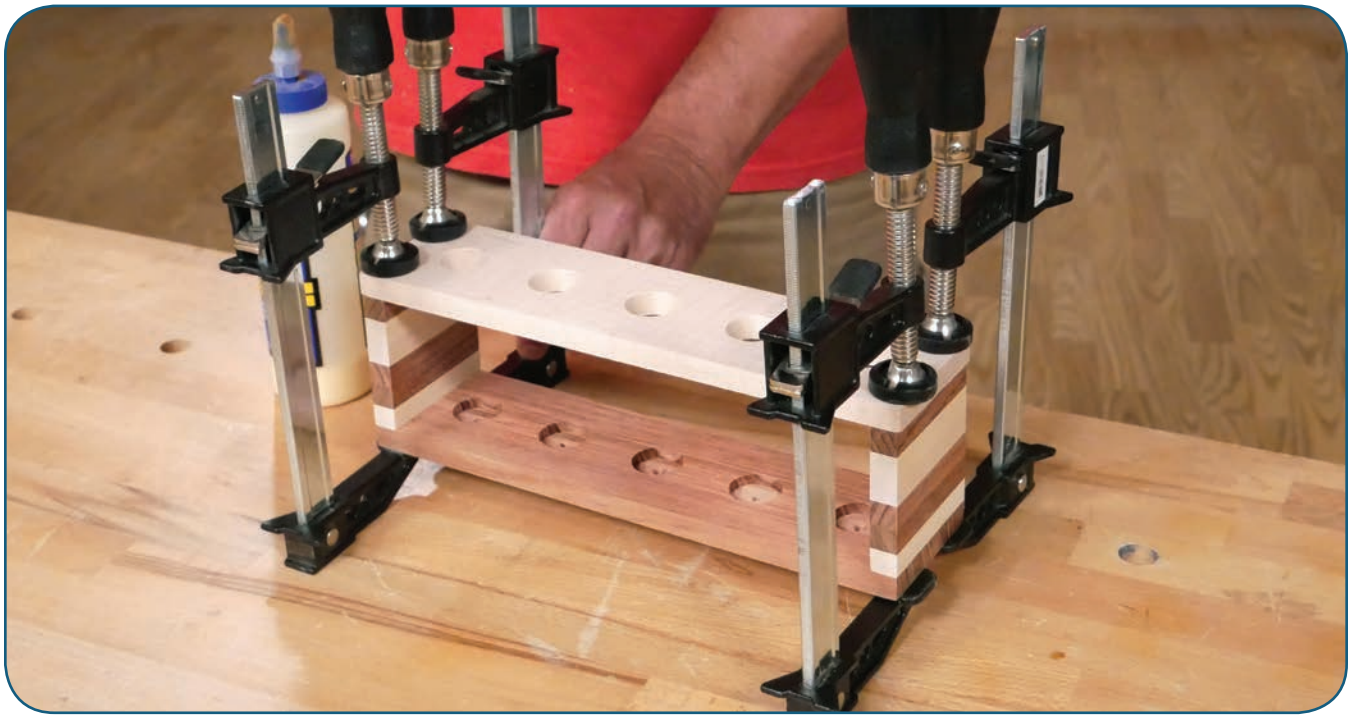
Apply finish to the handle while it is still on the lathe. Remove the handle from the lathe when the finish is dry. Then thread the handle on the tool.

9. DRILL HOLES IN TOP AND BOTTOM OF RACK



Cut the top and bottom pieces to size. Stack the top and bottom rack pieces and tape them together to keep them aligned. Mark the five hole centers. Then drill 1" dia. holes through the top and 1/4" deep into the bottom.

10. ASSEMBLE RACK



Sand all the parts smooth. Then glue and clamp the top and bottom to the sides. Sand the rack smooth and apply finish.