

# 21st Century Desk Caddy



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**WOODWORKER'S**  
**WJOURNAL**

*Freud #87-208 8-Piece  
General-Purpose CNC  
Router Bit Set, 1/4" Shank*



*Rockler item #51594*

*This handy little desk caddy is an old-school idea that serves your high-tech needs. With a space to hold and charge your phone, a spot that will fit a Bluetooth<sup>®</sup> speaker (or hold paperclips), pen storage, glasses cavity and a covered money “vault,” it will make your desk cleaner and your day more organized.*

## Getting Started

Cut the blank to size. (See the *Material List* on the next page.) We chose to then sand all the surfaces smooth and apply a finish to the blank before we started the routing operations. It saves time in the long run, and keeps the sanding process from changing the depth of the various compartments that are formed by the programming. Set your X-, Y- and Z-coordinates accordingly.

Clamp the blank securely onto the CNC router's cutting deck. Do so in a way that you can flip the blank over and keep it centered on the same spot on the deck. All the cutting operations are programmed from the center of the blank.

**Step 1:** 1/8" straight bit. (First Bottom Eighth) This step drills holes for the Soft-Stem Bumpers (Rockler #32479). These small rubbery feet keep the caddy from scratching your desktop.

**Step 2:** 1/4" straight bit. (Second Bottom Quarter) This step plows a groove that will accept the cell phone charging cord and will align with the cell phone compartment on the top of the caddy.

**Step 3:** 1/4" straight bit. (First Top Quarter) Flip the blank over left to right and re-clamp it in place. If the blank has not moved in relation to the deck, your starting coordinates should be fine. This step removes most of the waste from the top of the caddy and takes about 20 minutes to run.

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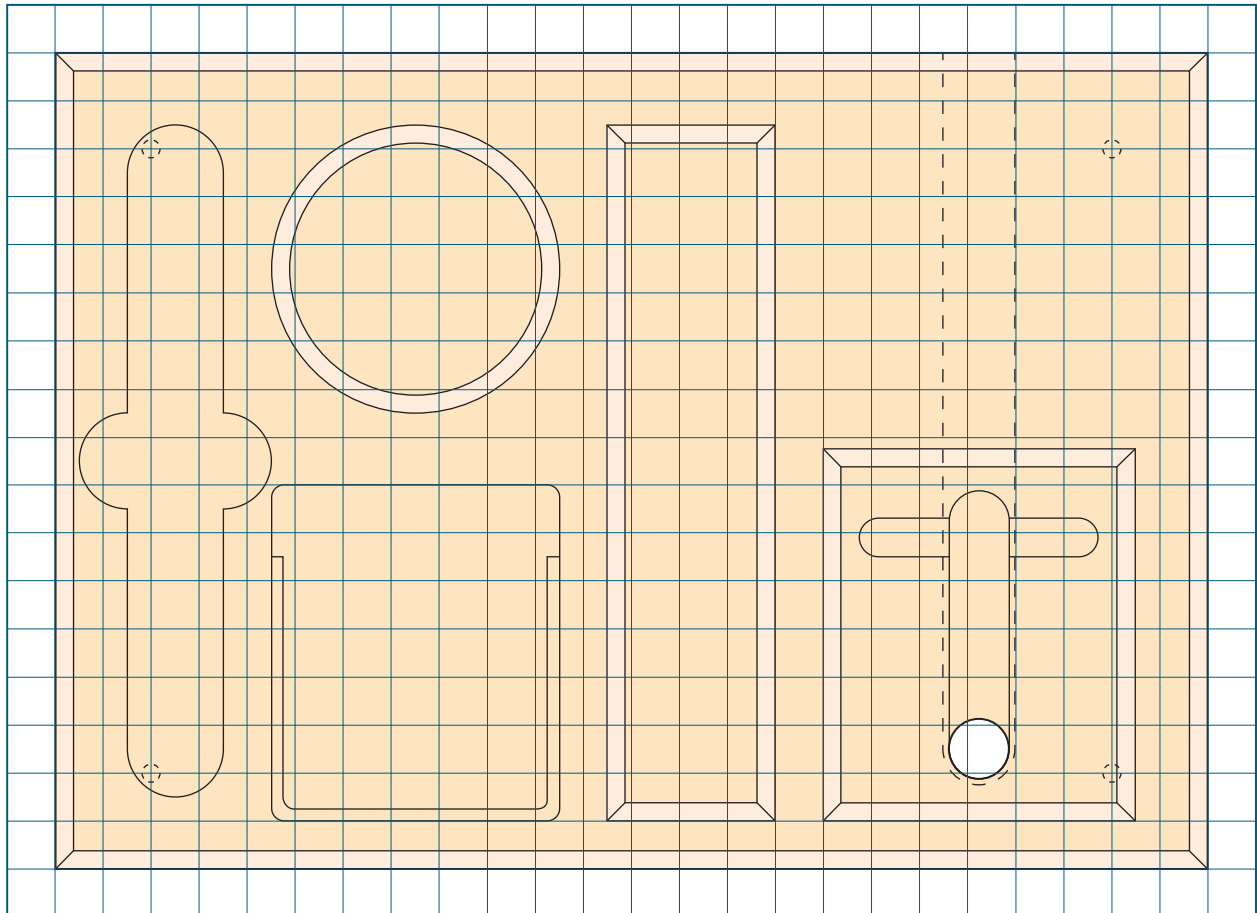
**Step 4:** 1/4" ball end bit. (Second Top Quarter Ball) This quick operation cuts a slot that keeps the cell phone from sliding down when placed in its compartment.

**Step 5:** 60° bit. (Third Top 60 Degrees) This operation chamfers several compartments and puts the bevel on the outside edge of the caddy.

**Step 6:** 1/8" straight bit. (Desk Caddy Lids) From a 1/8"-thick material (solid wood or even plywood), this step forms the lid for the money vault and the backrest for the cell phone compartment.

**Step 7:** Sanding and gluing. Sand the compartments smooth and glue the cell phone backrest in place. Apply the finish to the compartments. We used an oil and beeswax finish because it is easy to reapply (if the caddy gets scratched or dinged up on your desk) and feels great to touch. Insert the feet into their holes and get ready to have your officemates be awed and amazed!

*Desk Caddy CNC files: [click here](#)*



## MATERIAL LIST

	T x W x L
1 Main Blank (2)	1 3/4" x 8 1/2" x 12"
2 Cover (1)	1/8" x 3" x 3 1/2"
3 Phone Support (1)	1/8" x 3 1/4" x 2 3/4"

*The pattern above is at 50% of its original size. You can blow it up to 200% to make a full-size pattern. Each square = 1/2".*