

Classic Bottle Stopper Instructions

Version 1.0



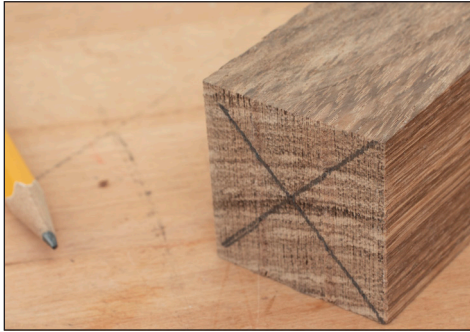
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Required Items (not included)

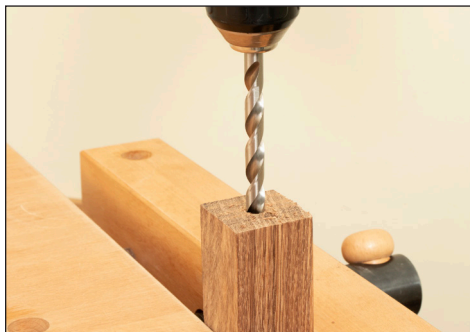
- Sandpaper
- Power Drill
- Turning tools
- Finish of your choice
- Thin viscosity CA glue only
- Blank 1½" square x 2½" to 3" long
- Bottle Stopper Spindle Chuck
- Drill bit that is slightly smaller than your chuck thread diameter.

Prepare Your Blank

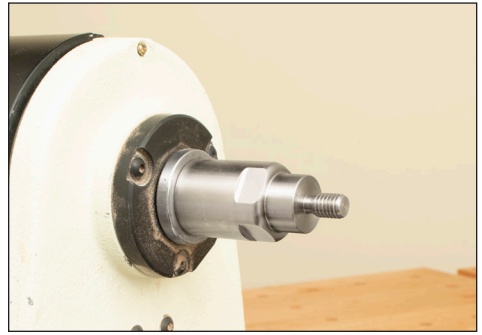
Blank sizes vary based on your general profile design. For the most part, stopper blank sizes are about 1-1/2" square x 2-1/2" to 3" in length.



Find and Mark the center of your bottle stopper blank



Drill a hole on your center mark. The hole should be approx. ¾" deep. In our example we are using an 11/32" drill bit since our chuck thread size is 3/8".



Thread the bottle stopper chuck onto your lathe headstock.



Thread the drilled bottle stopper blank onto the threaded stud end of the bottle stopper chuck. Since the hole on the blank is smaller than the threaded stud size, it is important to thread the blank onto the chuck slowly. As you thread the blank on to the chuck, be sure to keep steady even pressure on the blank. This will help the threads cut into the wood and help produce a threaded hole in the blank.

**Remove the blank from the chuck.
Keep chuck mounted to the lathe.**

Attention!

Before proceeding to the next step, please be sure that you have THIN C/A Glue. Heavier C/A Glues are too thick and will add too much material to the threads.



Apply thin viscosity C/A glue on to the threads of the hole. Be sure to evenly cover the threads. This helps to reinforce the threads to prevent stripping. Let the glue dry overnight so that it is 100% dry and 100% cured.



Once the glue is completely dry, thread the blank back on to the chuck. Install a live center on to the tailstock and secure the floating end of the blank as shown above.



Pre-shape your blank as much possible with the tailstock in place to prevent excess stress on the blank.



Once pre-shaped, loosen the tailstock hand wheel and remove the live center from your project. Move the tailstock out of the way. Decide what your profile is going to be and turn your blank. Your final diameter at the base of the blank should match your chuck collar diameter. Sand through 320 grit, finish and polish your project to your liking. Remove your project from the lathe and chuck.



Thread the stopper into the finished top. Be sure that it is completely seated into the top and leaving no gap. If you are using glue to secure the top, you may want to dry fit the stopper and top first before gluing to ensure a proper fit. Once the glue is dry, your bottle stopper is ready for use.

Note:

These instructions and dimensions are intended to be used for reference and to help achieve a smooth transition from the stopper to the wood top. Your finished bottle stopper results may vary.

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