

# Handy one-handed pepper grinder kit

TW-HJY2

william wood-write

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## Required Accessories:

- Blank: minimum 1-1/2"x1-1/2"x3-13/16"
- 60° Live center
- 1" Forstner bit & bit extension
- 1" Jam chuck
- Jacobs chuck or collet chuck
- 2 Part epoxy glue

## Preparing The Blank:

- Cut the blank to 3-13/16" long. Make sure the ends of the blank are square so they line up properly with the kit parts.
- Install the 1" forstner bit in the bit extension and drill a 1" hole through the entire length of the blank.

## Turning The Blank:

- Mount a jacobs chuck or collet chuck on the headstock of your lathe.
- Install the 1" jam chuck into the chuck.
- Install the 60° live center in the tailstock of your lathe.
- Slide the blank onto the jam chuck and tighten the tightening nut until it grips the inside of the blank. Advance the tailstock and secure. Be careful not to over tighten.
- Turn the blank to a profile of your choice. If you'd like the profile to match the grinder parts, turn the ends down to 1.08".
- Sand and apply a finish of your choice.

## Assembly:

- Arrange parts according to the parts diagram. Parts must be fully assembled during gluing to ensure smooth action and proper alignment.
- Slide shaft washer over the threaded end of the shaft and slide it down to the stop notch.
- Insert the shaft, threaded end first, through the bottom of the grind chamber. Push it up until the shaft washer meets the top of the grind chamber.
- Thread the grinder base onto the bottom of the chamber.
- Insert the spring into the wide end of the spring cover.
- Insert the plunger cap into the other end of the spring cover. The spring should stay in place.
- Mix a small amount of epoxy and carefully apply it inside both ends of your turned barrel. Be careful not to get epoxy on the outside of the barrel.
- Slide the grind chamber into the barrel through the lower opening, twisting to spread the epoxy evenly. Insert until the grinder base is pushed up to meet the barrel.
- Slide the plunger guide into the upper opening of the barrel, twisting to spread the epoxy evenly.
- Insert the plunger assembly, spring end first, into the plunger guide. Push the shaft up from the bottom end and thread it into the plunger assembly.
- Set aside and allow epoxy to cure fully.
- To add peppercorns, unscrew the grinder base, fill the chamber, and reinstall the base.

