



G.E. Products Co., Ltd.

Manufacturer & Exporter of Giftware Items

General Turning Kit Pre-Assembly Workflow

Cutting & Drilling the Blank

- Select a blank of suitable size. Cut it slightly longer than the brass tube (leave extra length for squaring).
- Drill a centered hole through the blank using the required drill bit (e.g., 27/64", 7 mm etc.).
- Ensure the hole is straight and aligned.

Preparing the Brass Tube

- Roughen the brass tube surface with 180–240 grit sandpaper to remove oxidation and improve adhesion.
- Plug the ends of the tube with wax, Play Dough, or similar material to prevent glue from entering.
- Clean the tube with alcohol or acetone.

Gluing the Tube into the Blank

- Prepare the adhesive (recommended: fast-cure epoxy; thick CA can also be used).
- Apply glue inside the blank and coat the brass tube.
- Insert the tube with a twisting motion to spread the adhesive evenly.
- Position the tube so it is centered inside the blank, leaving a small amount of material at both ends for trimming.
- Allow the glue to fully cure (CA $\approx$ 1 minute, epoxy $\approx$ 1 hour, polyurethane $\approx$ 24 hours).

Cleaning & Squaring the Blank

- Remove the plugs from the tube ends and clean out any dried glue inside with a knife or brass brush.
- Verify the tube interior is completely clean to avoid assembly issues.
- Square the ends of the blank to the brass tube using a barrel trimmer, sanding jig, or disk sander.
- Stop trimming once the brass is just visible—do not shorten the tube itself.

Mandrel Setup

- Mount the blank on the mandrel with the proper bushings.
- Use spacers if needed and tighten securely.
- Ensure the blank is firmly supported for accurate turning.
- For proper bushing alignment and placement, please refer to each kit's specific assembly instructions.

Turning, Sanding & Finishing

- Turn the blank to the desired profile, slightly proud of the bushings.
- Sand progressively from coarse (120 grit) up to 400–600 grit. For a high polish, continue with Micro-Mesh up to 12,000 grit.
- Apply the finish of your choice (CA, lacquer, friction polish, etc.) and buff to shine.

Note:

These steps are provided as general guidelines. Depending on your tools, materials, and personal experience, you may adjust the process to achieve the best results.