

# Espresso Coffee Tamper Kit

## Kit Features

- Two common sizes for home machines
- FDA 304 18-8 food grade stainless steel
- Minimal Parts--easy to assemble

## Required Accessories

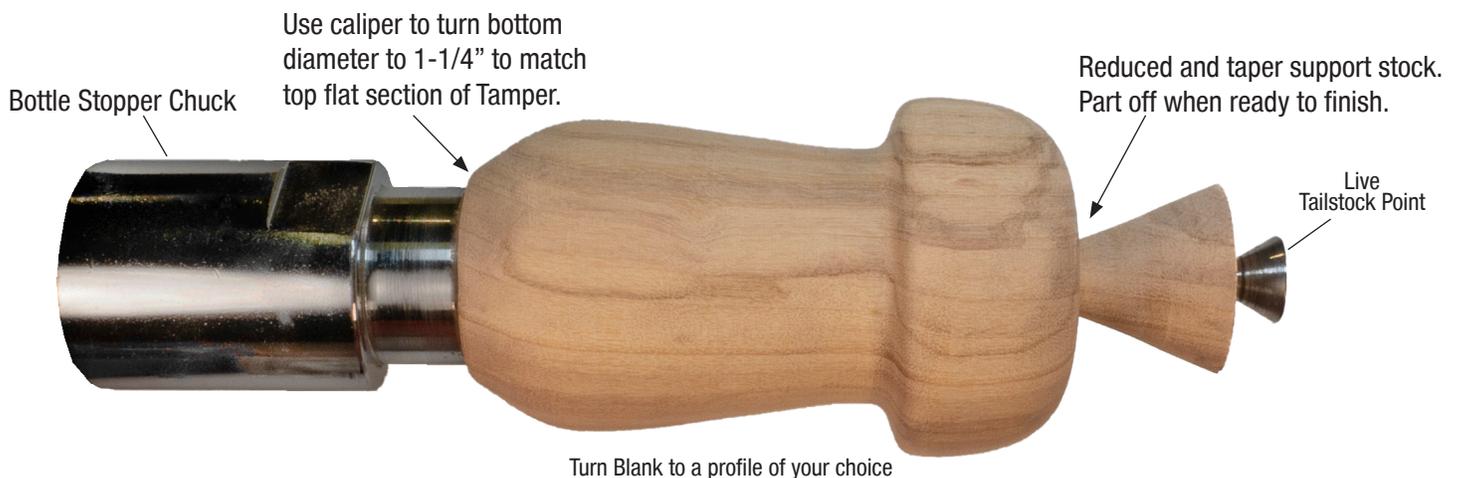
- Bottle Stopper Chuck # PK-BS1-MJ
- Drill Bit: 1/2" #PKDB12
- Live Tailstock
- 2 part Epoxy (CA not recommended)
- Digital Caliper (recommended)
- Blank Minimum Size: 1-1/2" x 1-1/2" x Variable Length  
- see Preparing the Blank below



## Preparing the Blank:

- Determine preferred handle style. Wide top handles are preferred for an over-hand grip and will work best with 2" wide blanks and a shorter length. Thinner profile handles can be gripped from the side and only require 1-1/2" wide blanks and should be long enough to feel comfortable. Less than 1-1/2" width is not recommended. Add at least 3/4" to your length to use as tailstock support to be parted off (see Diagram B).
- Drill 1/2" hole at least 5/8" deep in the center of one end of the blank, making sure hole is as straight as possible. Slide insert into hole to verify it is deep enough before gluing. Tip: it is a close fit, so a 3/8" x 16 bolt makes an excellent insertion and removal tool for this and for gluing.
- Mix a small amount of epoxy and smooth a thin layer on the inside of the hole.
- Spread and smooth epoxy on the outside of the threaded insert. Do not overdo it! Use just enough to fill in knurling.
- Slide Threaded Insert into the hole.
- Wipe off any excess epoxy from the edge and allow the epoxy to fully cure.

## DIAGRAM B / TURNING THE BLANK



## Turning the Blank:

- Thread blank onto the Bottle Stopper Chuck and mount onto lathe according to Diagram B.
- Slide the Tailstock against the blank, inserting the live center point into the end.
- Lock Tailstock and hand tighten the quill adjustment with wheel to steady the blank.
- Using sharp tools, turn the Chuck end of the blank to 1-1/4" diameter allowing a bit extra for sanding. A rounded edge will make for a better transition. Turn the rest of the blank to a profile of your choice.
- Reduce and taper the support stock as much as possible keep enough thickness where it meets the rest of the workpiece to support the blank during most of the shaping. Part off when ready for light finishing cuts or sanding.
- Sand the blank, gradually increasing sandpaper grits. Be careful that the bottom diameter is not reduced below 1-1/4" diameter when using the lower grits. Check with caliper as needed to make sure.
- Finish the barrel using your choice of polish. Allow sufficient time for the polish to cure—refer to polish manufacturer's instructions.

**Diagram D / Parts Layout**  
Tamper**Assembly:**

- Screw the Threaded Post into the Tamper. The Post may be tightened with a 3/16" Hex Key (not included).
- Thread the Handle onto the Post.
- Washing by hand is recommended. Avoid putting wooden handle into dishwasher.