

#BS9A Adjustable Bottle Stopper Kit

Features

- Stainless steel components
- Threaded coupler insert
- Chrome-plated bottle stopper
- Adjusts to most bottle openings
- Bottle can lay flat without spilling liquid

Required accessories

- Bottle stopper screw chuck kit;
#PK-BS1-M for 3/4"x16 tpi lathe
#PK-BS1-MJ for 1"x 8 tpi lathe
- Cyanoacrylate or 2-part epoxy glue
- 23/64" drill bit (included in the chuck kits above)
- 2-part epoxy or instacure CA glue.

Alternative: You can use the PSI screw chuck, #PK-TOP-M or 4 prong drive center (#1MT only) with a 3/16" and 3/8" diameter drill bit.

Preparing the blank for turning

The blank size varies based on your stopper's profile design. Generally, the blank size is 1-1/2" square x 2 1/2" to 3" long.

Using PSI bottle stopper screw chuck

- Mount the chuck on the head stock spindle.
- Mark the center of the end of the blank.
- Drill a 23/64" diameter hole 3/4" deep in the blank.
(You may want to consider sawing off the corners of the blank before turning.)
- Mount the blank by screwing the exposed thread into the hole you drilled. Hand tighten. Secure the blank by engaging the tailstock live center for support. The blank is now ready to turn.



Turning the Stopper Blank

Turn your blank to your desired profile. The end dimension at the base of the blank should match the chuck diameter or turn down to a 31/32" diameter to match the stopper outside dimension. Finish and polish the turned wood, then remove from the lathe.

Assembly

1. Squeeze glue into the stopper top where you drilled the hole.
2. Insert the connector and thread it into the top until the pressure disc is flush. Let the glue dry.

Adjusting the stopper

This particular stopper has the ability to adjust to the opening of a bottle for either a tighter or looser fit.

Insert the stopper into the bottle. To adjust this bottle stopper, pull it out, hold on the neoprene bands and turn the top clockwise to expand the diameter and counter-clockwise to reduce, and adjust as necessary. Once the stopper is in the bottle, you can turn the top clockwise for a solid leak-proof seal.

