

# Measuring Spoon Kit

## Kit Features:

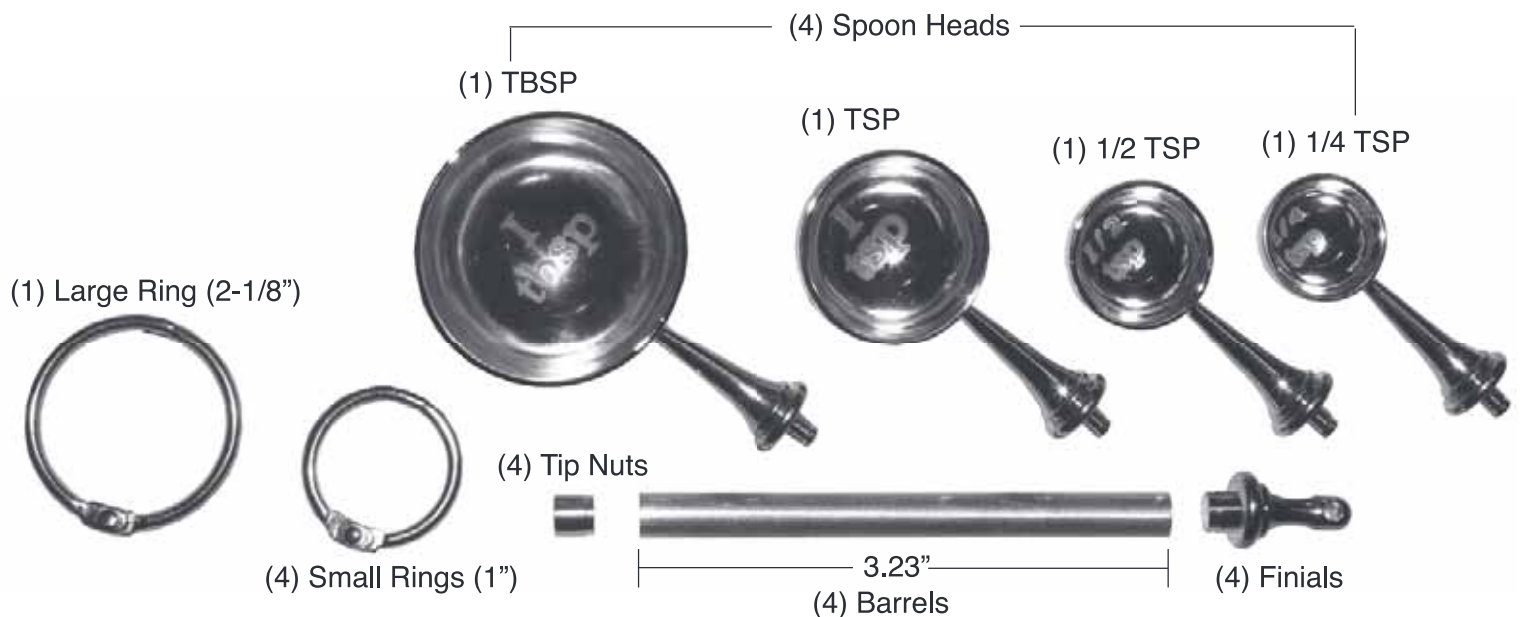
- The most common measurements in one 4pc. set
- Decorative and useful
- Uses Food Safe Plating
- Easy to Turn With Straight Tubes
- Minimal Parts - easy to assemble
- Plated in Chromed Stainless Steel
- All handles are the same size
- Includes storage / display rings

## Required Accessories:

- 7mm Pen Mandrel
- Drill Bit: #PK-7MM
- Bushing Set(2 pc): #PKMSPBU
- Barrel Trimming set: #PKTRIM7 or 7MM Squaring Jig
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 5/8" x 5/8" x 3-3/8"

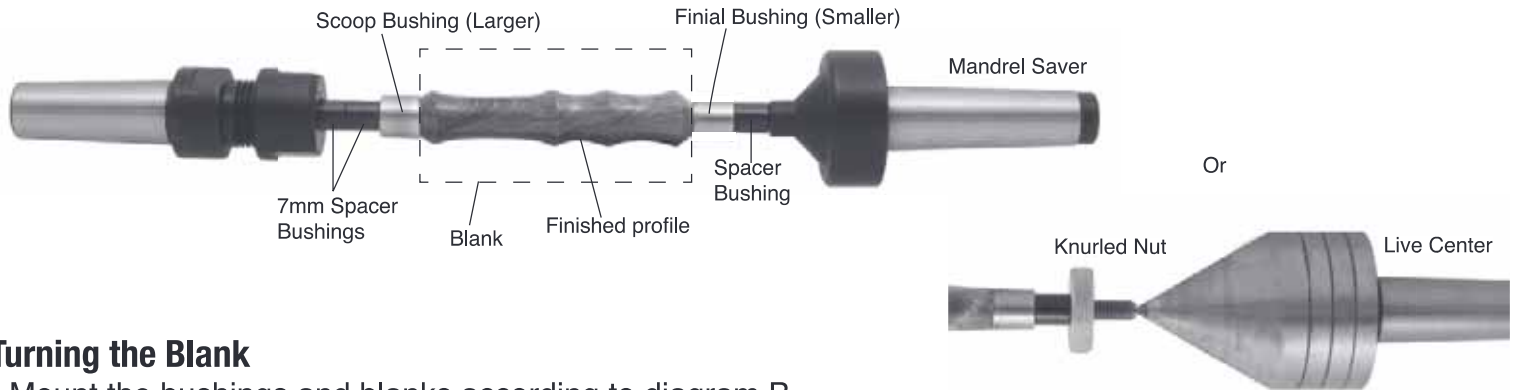


## DIAGRAM A / PARTS LAYOUT



## Preparing the Blank:

- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 7mm hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use a 7mm barrel trimmer, or a pen blank squaring jig on a disc sander. Take the excess material down flush to the ends of the tubes. Do not trim past the end of the tube since this may interfere with the operation of the mechanism and assembly. Use a barrel trimmer to clean the inside of the tube.

**DIAGRAM B / TURNING THE BLANKS****Turning the Blank**

- Mount the bushings and blanks according to diagram B.
- Thread on the knurled nut and hand tighten to hold all components in place.
- Slide the Tailstock up snugly against the Mandrel shaft, inserting the live center point into the Mandrel dimple. Lock Tailstock.
- Hand tighten the quill adjustment on the tailstock to steady the mandrel. Do not over tighten, it could damage the mandrel shaft.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide tailstock directly against bushings and tighten until blank and bushings are secure.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel straight or to a profile of your choice.
- Sand the blank down to be flush with the bushings, gradually increasing sandpaper grits.
- Finish the barrel using your choice of polish. Allow Sufficient time for the polish to cure—refer to polish instructions.

**Assembly**

- Line up handle parts according to Diagram A
- Press Finial into narrow/smaller end of handle.
- Thread Tip nut onto Spoon Head. Do not press on Spoon – it may get damaged.
- Align Spoon orientation in relation to Finial so that spoon will align when liked on the large ring. (Dia. C)
- Push Tip Nut/Spoon Assembly in by hand until it wedges into tube.
- Unscrew Spoon, taking care not to alter Tip Nut. Press tip nut into barrel.
- Thread Spoon into Tip Nut
- Open Small Ring and insert into hole in Finial and re-close Ring.
- Repeat assembly process for each handle.
- Open Large Ring and insert the Small Ring of each spoon (in size order) onto it. Re-close Large Ring.

**Diagram C / Spoon & Finial Alignment****Diagram D / Bushings #PKMSPNBU**