

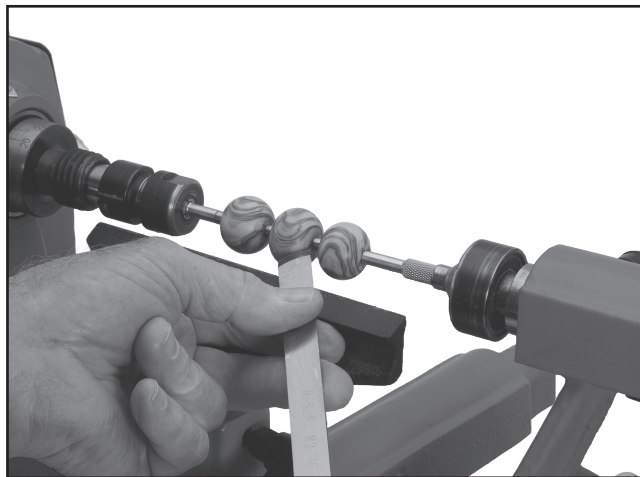
Bead Making Mandrel

Features:

- Mandrel designed to turn small beads
- Allows 1 or more beads depending on size
- Mounts to Collet Mandrel or Drill Chuck
- Turn Wood or Plastic beads

Kit Includes:

- Beading Mandrel (parts shown in dia. A)
- Replacement Threaded Draw Rod
- Draw Rod Tailstock Sleeve
- Draw Rod Headstock Sleeve
- 7 Spacer Bushings (includes extras)



Required Accessories:

- Drill Bit: 1/8"
- Live 60° Tailstock Center or PSI Mandrel Saver (#PKMSTS2) for tailstock mount
- PSI Maxi Mandrel collet (*preferred*) or PSI 1/2" Drill Chuck (#TM32) for headstock mount
- Roughing Gouge
- 1/2" Skew Chisel

DIAGRAM A / Mandrel Parts

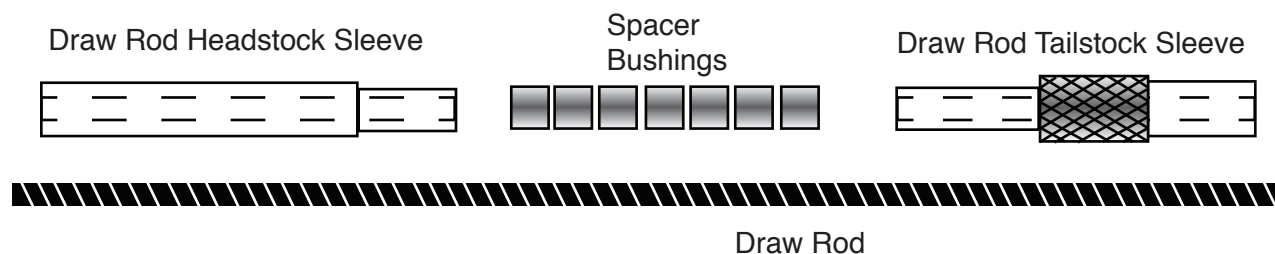
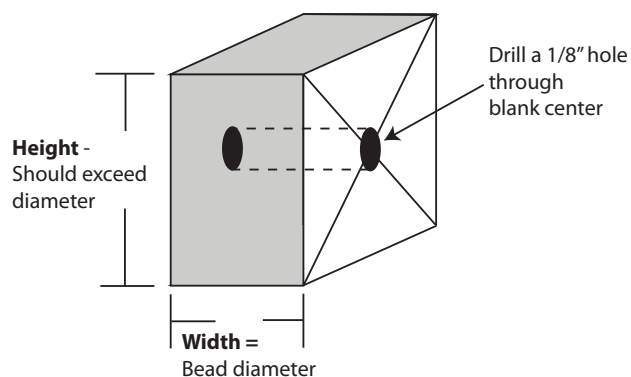


DIAGRAM B / Bead Blank

Round Bead Preparation & Requirements:

- Select and trim the width of the bead blank to the final bead diameter (see dia. B). Use caution when using material that is less than 1/2" thick and greater than 1" square. As the material is turned, it will tighten up on the mandrel. The mandrel can split a blank with a large diameter and narrow width, due to the increased turning torque when tightening the mandrel.
- Locate and mark the center of the bead blank. Drill through the center with a 1/8" bit.



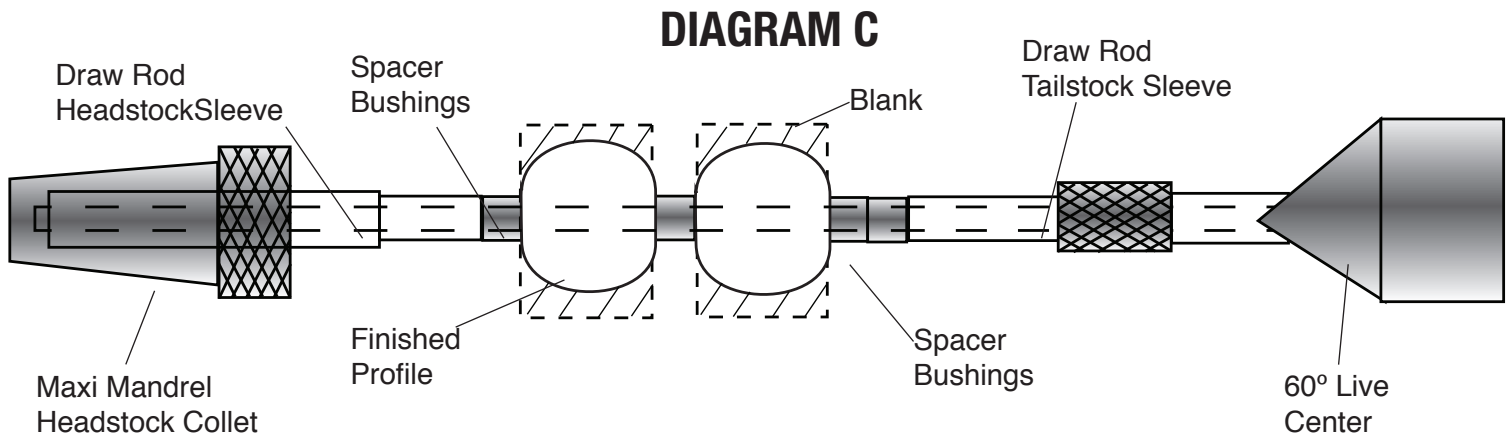
Mounting the blanks on the rod (see diagram C):

- Loosen the tailstock sleeve on the draw rod and allow the amount of thread space required for number of beads and spacer bushings needed. Lock in place by tightening the tailstock sleeve.
- You can turn more than one bead blank at a time as long as you do not exceed a total of 3" of clamping. Install the bead blanks with spacer bushings in between the blanks as shown.

Mounting the Bead Mandrel (2 methods)

Method "A" on a pen mandrel (See diagram C):

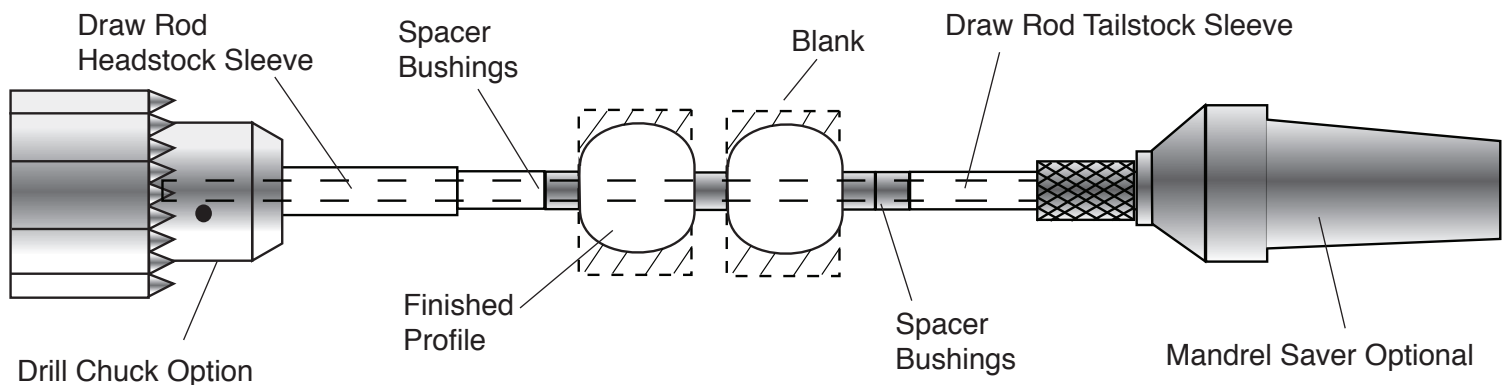
- Mount the MAXI pen mandrel into the headstock of the lathe. Loosen the collet and remove the shaft. Replace with the bead mandrel draw rod headstock sleeve. Adjust for space.
- Insert either a 60° Live Center or a Mandrel Saver into the tail stock to support the mandrel end.



Method "B" Using the mandrel with a 3 jaw drill chuck (See diagram D):

- Mount the drill chuck into the headstock of the lathe.
- Insert the bead mandrel draw rod headstock sleeve between the jaws, lock in place.
- Insert either a 60° Live Center or a Mandrel Saver into the tailstock to support the tailstock sleeve.

DIAGRAM D



Turning the beads:

- Use a roughing gouge to rough out the blanks in a round profile.
- Finish with a 1/2" skew chisel by shaping the finished bead round from end to end.
- Sand with graduated grits.
- Polish with appropriate wood or plastic polish.