

# Ice Cream Scoop V5

## Kit Features

- Easy to Turn with Single Straight Hole
- Minimal Parts--easy to assemble
- Available in multiple finishes

## Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK-1532 for Wood, #PK-1532SG for Plastic
- Bushing Set(2pc): #PKISCOOP5B
- Barrel Trimming: Trimmed on the lathe (see below)
- Live Tailstock or Mandrel Saver
- 2 part Epoxy
- Optional Tool: #BGCAM
- Recommended Blank Minimum Size: 1-1/2" x 1-1/2" x 3-15/16" L

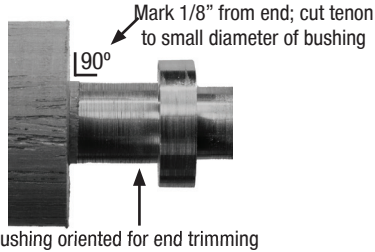


## Preparing the Blank:

- Cut blank to size you are able to drill straight through. Drill bit #PK-15/32" can drill through a 3-15/16" blank.
- Draw a straight lines from corner to corner across end of blank. Where lines cross is the center for drilling.
- Drill 15/32" hole lengthwise through the blank.

## Trimming the Blank:

Dia. B1



Dia. B2



Dia. B3



## Turning the Blank:

End Bushing flipped  
for final diameter

Headstock

Dia. C

End Bushing flipped  
for final diameter

Mandrel Saver  
Tailstock



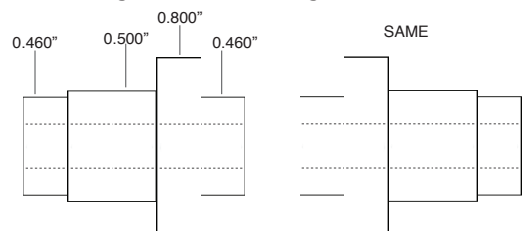
Turn Blank to a profile of your choice

## Barrel Trimming on the Lathe:

- Mount the bushings and blanks with smaller diameter of Bushings in towards the blank according to diagram B1.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut Setup (right), add spacer bushings until past the threads on the end of the Mandrel Shaft.
- 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 and hand tighten the quill adjustment with wheel to steady the mandrel. Do not over-tighten, it could damage mandrel shaft.
- Rough turn Blank to round and mark a line 1/8" from each end.
- Cut Tenon at the 1/8" mark straight down to small bushing diameter (Dia. B1).
- Remove the Blank from the mandrel; use a sharp knife to trim off the tenon (Dia. B2). Optionally, you can clean up edge using #BGCAM (Dia. B3).



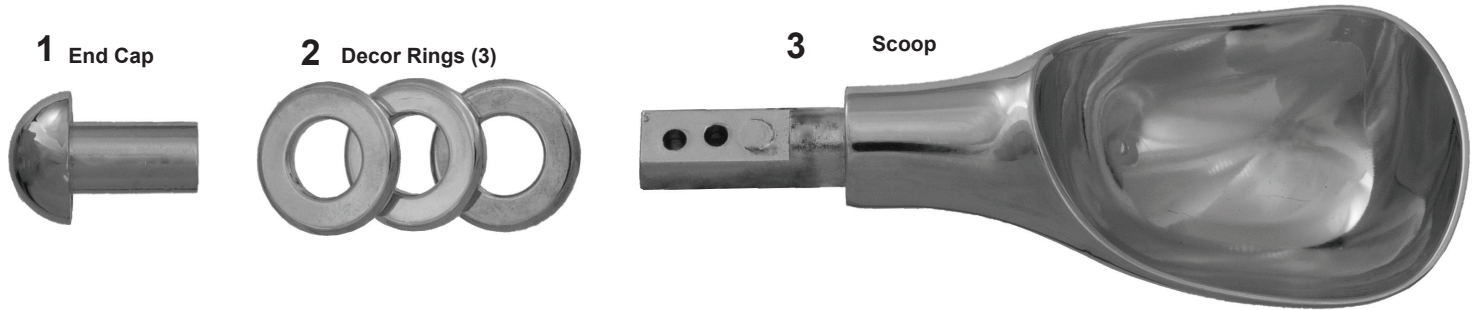
Diagram D / Bushing #PKISCOOP5B



## Final Turning:

- Remount the Blank with Bushings flipped (Dia. C). 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. Since handle will need to be washed regularly, we recommend using an oil based finish such as Mahoney's Utility Oil (#LBUFFOIL). Allow sufficient time for the polish to cure—refer to polish manufacturer's instructions.

## Diagram E / Parts Layout

**Assembly:**

- Mix a moderate amount of 2 part Epoxy and apply to the inside of the holes in the handle.
- Slide a single Decor Ring onto the End Cap and two Decor Rings onto the Scoop.
- Apply a very small amount of additional Epoxy onto the End Cap and onto the lower end of the Scoop; add more to the flat section of the Scoop – making sure to fill the holes to provide a stronger hold.
- Insert Scoop and Cap into the holes watch for excess epoxy squeezing out the sides and wipe away immediately.
- Set aside for Epoxy to cure. You can help clamp the parts in the handle by using plastic wrap around the Scoop, winding several layers from top to bottom.
- Once Epoxy has fully cured, the Ice Cream Scoop is ready to use.
- Washing by hand is recommended. Avoid putting wooden handle into dishwasher. Refresh finish as need with oil such as that used for maintaining butcher blocks.