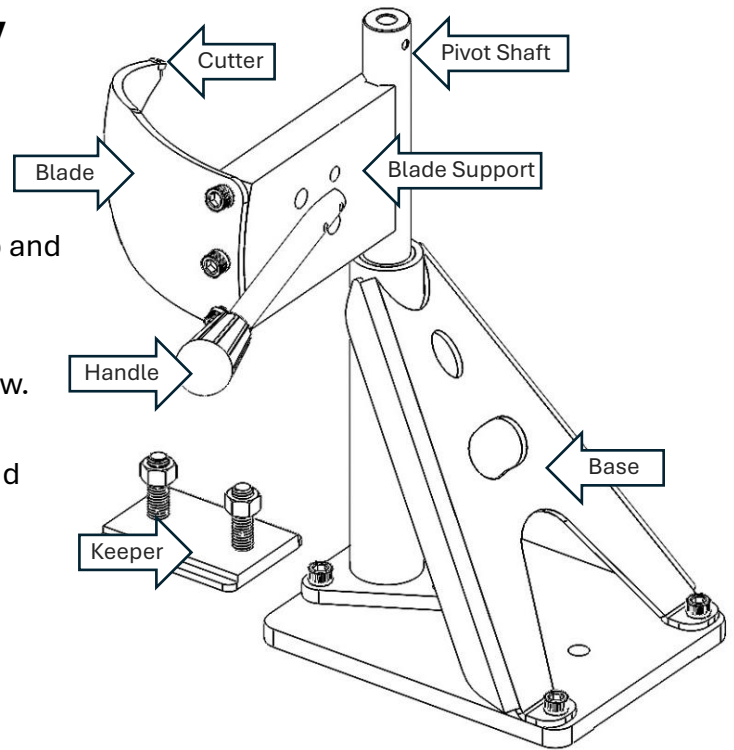


# Robust Coring System Assembly and Use Guide

A couple of notes before you get started:

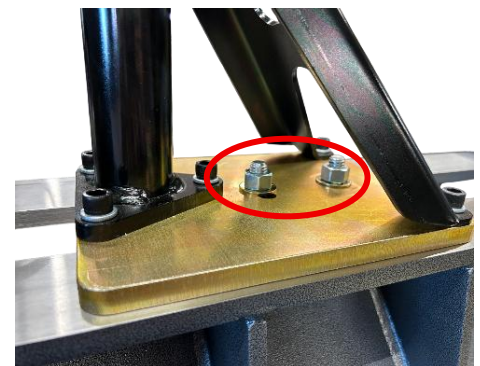
- Install the carbide cutter last. It's very sharp and you don't want to cut yourself while you're assembling.
- You're coring to save wood, not time. Go slow. Coring uses a lot of horsepower. A "cut and clear" method allows the lathe to recover and helps clear chips.
- See warnings at the end of this document.



You'll use the base to assemble the blade assemblies. Assembly goes much better if the base is secured to something solid. You could clamp it to your work bench, or hold it in a vice. Clamping it to your lathe is also a good idea.

Using the provided keeper, set up the coring system base on your lathe as shown. You'll notice that one of the openings in the base is slotted. This is so you can slightly change the profile of your core.

Be sure the keeper is properly centered between the ways.



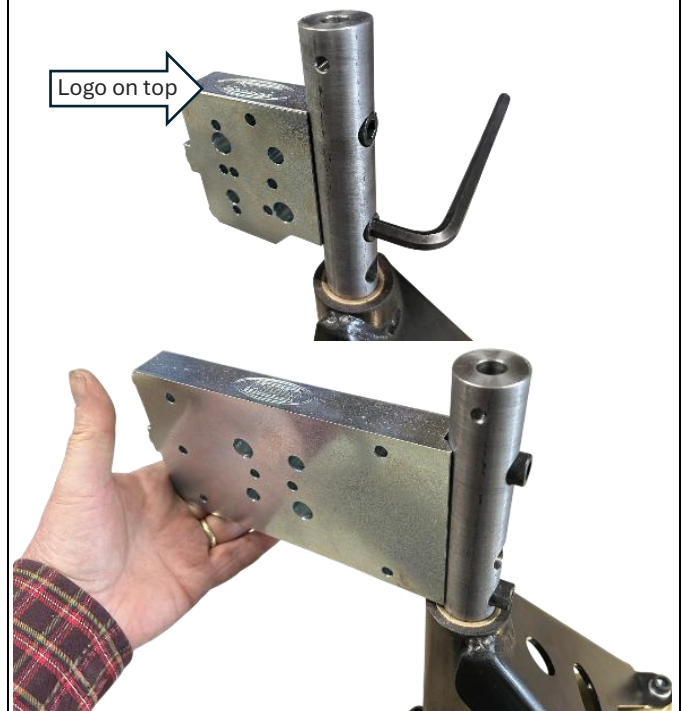
Install bolt and nut into bottom of pivot shaft. After assembly, you'll adjust them to set the cutter on the centerline of your lathe.



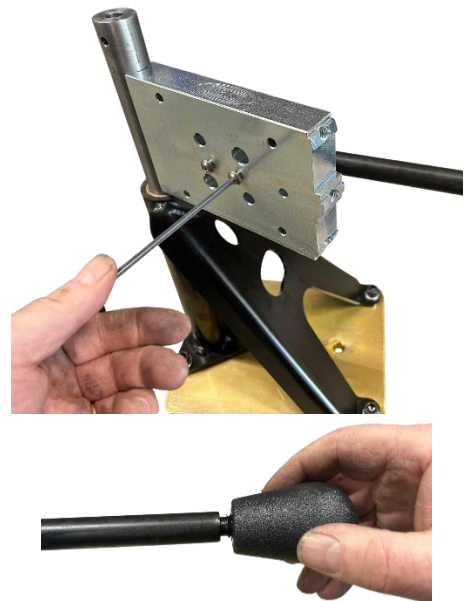
Install blade supports onto pivot shafts. The 8 and 10" blade supports use the top two holes.

The 13 and 16" blade supports use the top and bottom holes.

Please be sure to have the "ROBUST" logo on top.



Install the handle and knob. Note orientation.



Install the appropriate blade to the blade support. **Be sure the cutter pocket is facing up.**

Install the three bolts and lock washers finger tight.

Tighten the center bolt first using the provided Allen wrench. It needs to be **TIGHT**.

Then tighten the top and bottom bolts. They need to be **TIGHT**.



Using the screw and wrench provided, install the cutter. Be careful, it's SHARP !



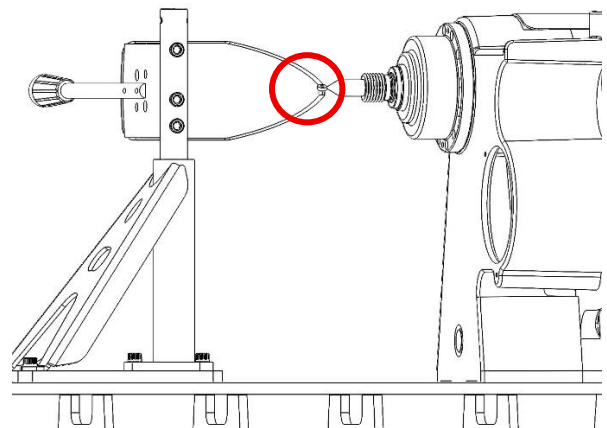
# Using Your ROBUST Coring System

## To Core:

- If you have different belt positions on your lathe, put the belt on the **slow-speed, high-torque** position (belt will be on biggest pulley on the spindle, and smallest pulley on the motor).
- Use a large male tenon or securely mounted face plate to hold the work.
- Start with the smallest blade first and work your way up through the progressively larger blades.
- Don't try to cut the core completely. Cutting the core all the way with the blade will launch the core off of the lathe and may cause injury. Stop frequently when you are near the end and rap on the core with the heel of your hand to break it free.
- You're coring to save wood, not time. Go slow. Coring uses a lot of horsepower. A "cut and clear" method allows the lathe to recover and helps clear chips.
- You'll find the smaller blades don't chatter much, but some chatter may occur with the larger blades. This is especially true if the wood is dry.



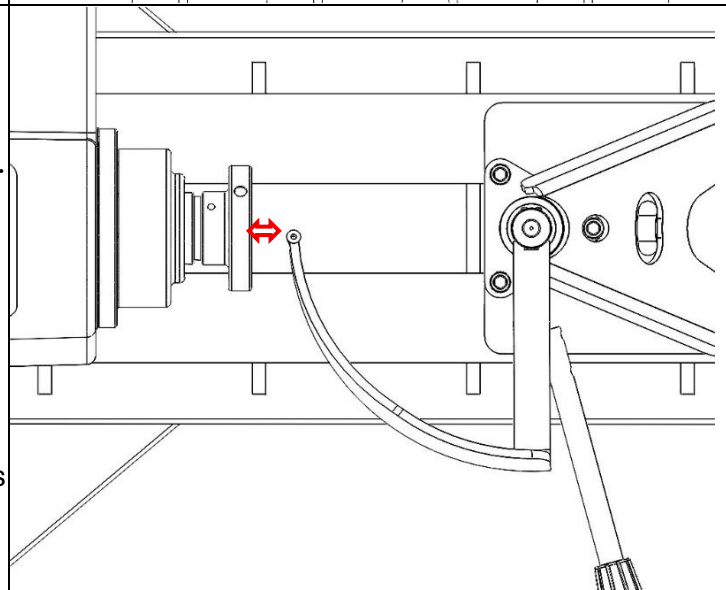
After assembling your components, adjust the blade assemblies so that the cutter is on center. Do this by adjusting the bolt and lock nut on the bottom of the pivot shaft to raise or lower the cutter as needed.



You'll want to make sure the largest blade doesn't go through the bottom of your piece, hit your chuck, or hit the screws if you're using a faceplate. It's your decision on how much wood to leave for the bottom.

Please see the image to the right. The wood has been removed so that you can easily set the depth to your liking.

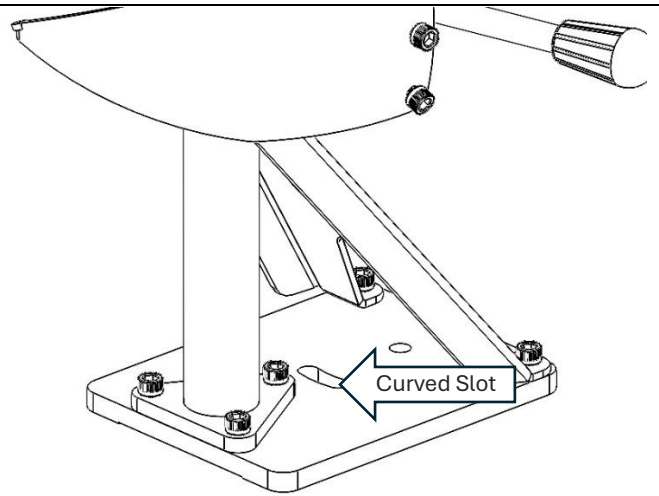
We have a laser attachment in the works that does this job, but that is still a few months out.



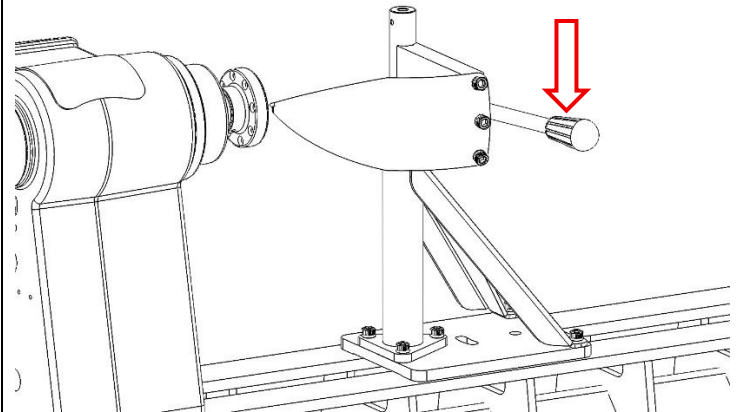
The keeper has two bolts. One goes into the hole, and the other into the curved slot in the base. If you have everything centered, you'll cut hemispherical blanks.

The slot allows you to set the system off center a small amount one way or the other to make the blanks a little wider or narrower.

If the blade starts rubbing in the kerf (slot) made by the cutter, you'll have to move the base back more towards center.



Pressing down firmly on the handle helps with controlling chatter. This is especially important with the larger blades.



**WARNING**

- Wear Face Protection
- Do Not Exceed 500 RPM
- Securely Mount Work to Chuck or Faceplate
  - Do Not Stand "In the Line of Fire"
  - Stop before Core is Completely Cut
- Do Not Core Cracked or Damaged Wood

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