

TURNING THE HANDLE



I prefer to start with stock at least 1" thick. This block is 1x2x7. Drill a 7/8" hole through the face and a 3/8" hole through the edge. Take care to make sure that the hole centers line up. Transfer those centers to the end of the block to indicate the drive center point. If you do not transfer the centers accurately your 7/8" drilled hole will be offset from the turned diameter.

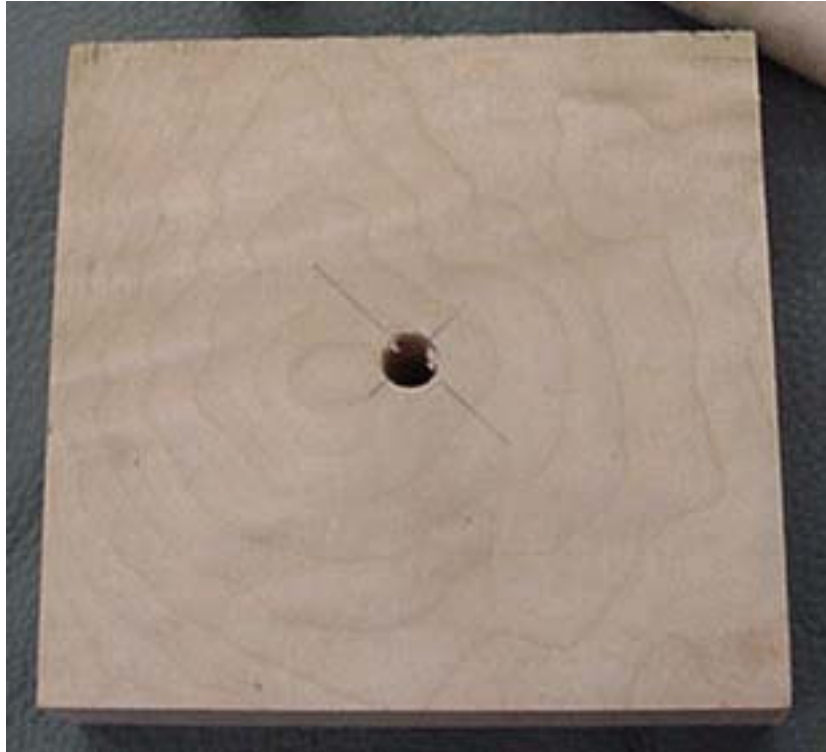


Turn this end first to help control vibration. You can see that I didn't get the hole centers lined up and the drilled/turned features are off center.



Turn the ends as small as possible, snap off and sand smooth.

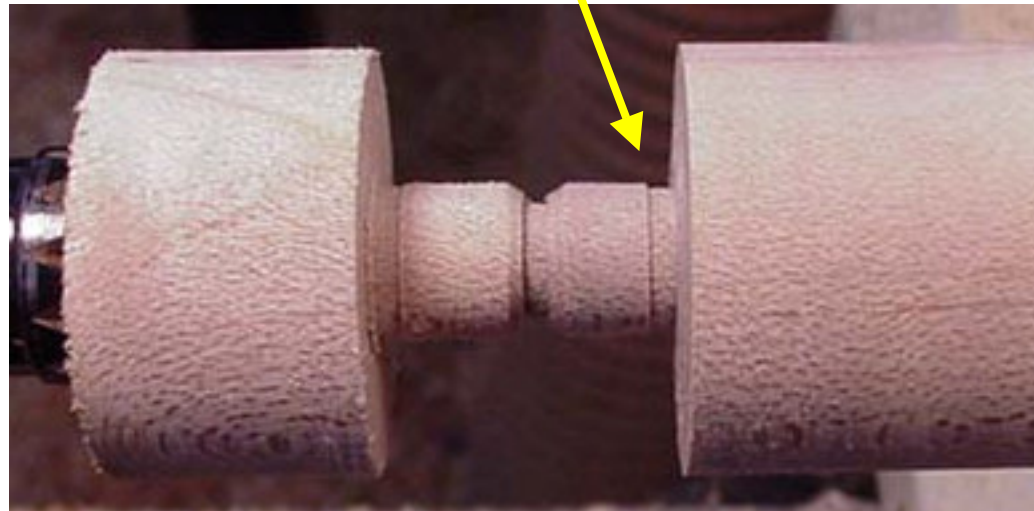
TURNING THE TOP

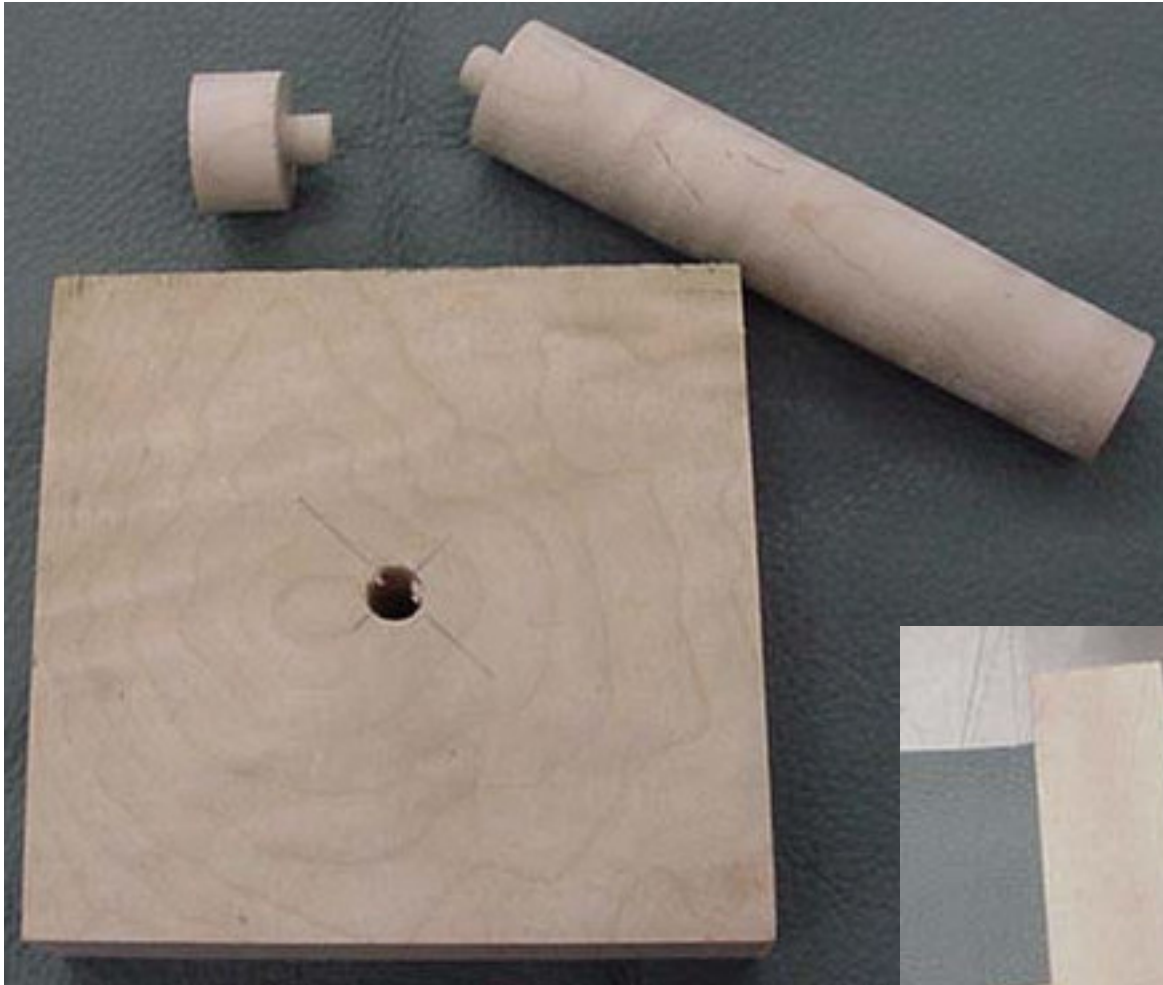


Start with a 4" square or round for the tops disc. Drill a 3/8" hole through the center. I prefer my stock to be at least 1" thick.

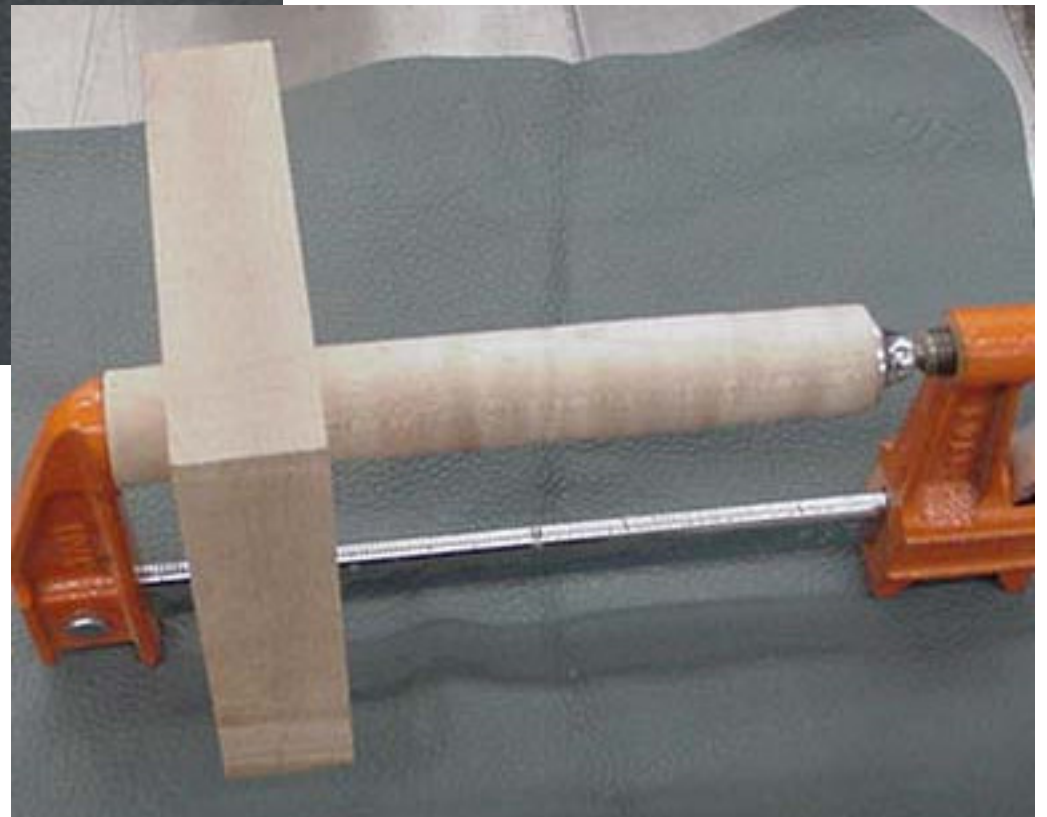


The stem is 5"-6" long. I cut a tenon as shown to fit snugly in the 3/8" hole in the disc. I cut a small chamfer on the ends to help inserting the pieces into the disc. I also undercut the insert portion very slightly against the part that mounts face to face with the disc. Part the stem into two pieces.





Glue the pieces together.

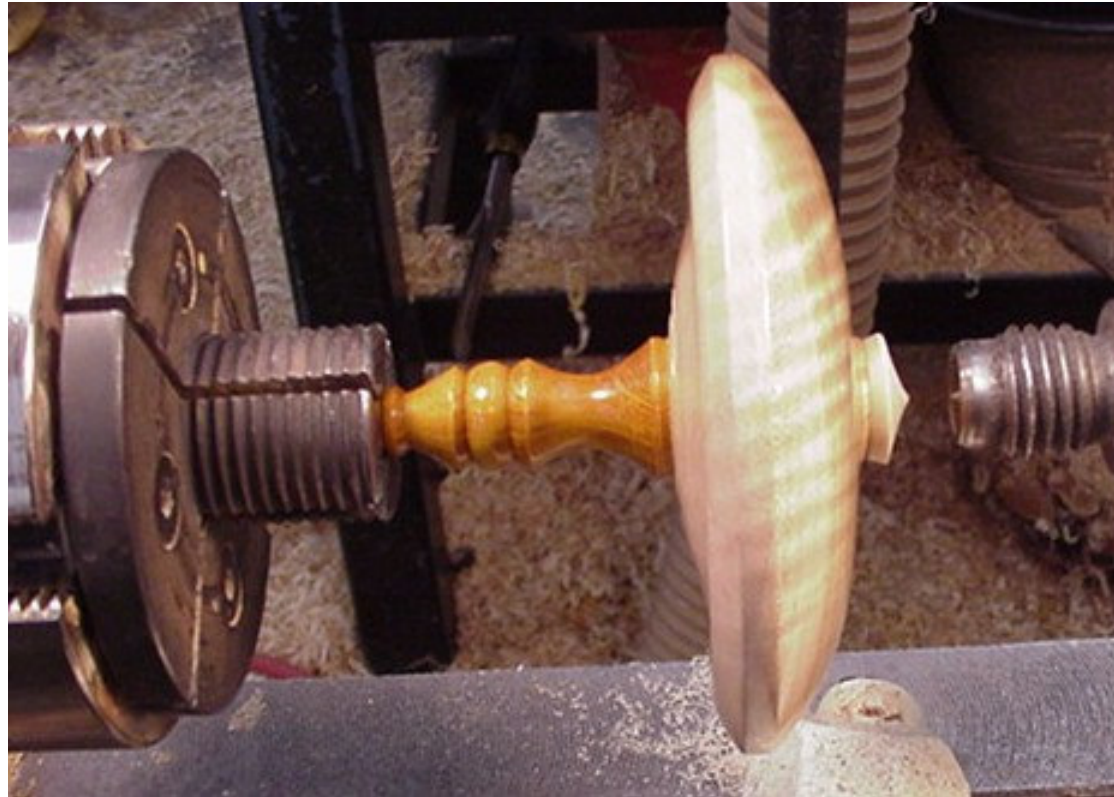




Shape the tip and stem diameters next to the disc. Shape, sand and finish the disc before turning the stem.



After you have designed the lower end of the stem hold the handle up to the stem to gage the location where you will drill the hole for the launching string. Carefully drill a hole through the stem. Complete the design, sand and apply finish. **Make sure your stem is slightly smaller than the 3/8" hole you drilled in the handle.** Turn the smallest possible diameter without parting off the tip. Part off the stem end.



Gently hold the stem in your jaws and part off the tip, sand and finish.



Turn a small handle for the string. This string is 18" long. I applied CA to 1/2" of one end of the string. I knotted the other end and applied CA gluing the knot to the handle.