

Danish Modern Candle Stick

David Dyer

Step 1 - Select a blank 3" x 3" x 10 1/2" and mark the centers on both ends.



Step 2 - Determine which end to be the top and mount between centers.



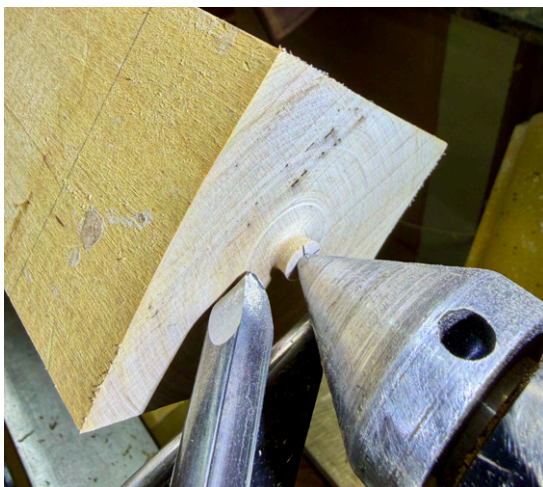
Step 3 - Mark 1 1/2" down from top. This is to be left square when rounding the blank. Round the blank and make a tenon on the bottom end.



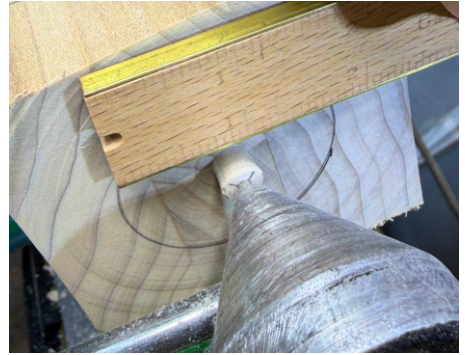
Step 4 - Mount in the chuck. Bring up the tailstock with a 60 degree cone to give stability. Make a parting cut at the base $\frac{1}{4}$ " up from the chuck about 1" deep. This will define the base and give you room to round over the bottom of the candle.



Step 5 - Begin at the top of the candlestick. Begin making the curve in the top edge by starting at the center, working out with light cuts all the way to the corners, being careful with the corners to keep them square. Once to the outer corner, begin a push cut back to the center. Keep working with a push cut till a curve is developed on all four sides about $\frac{1}{4}$ " deep.



Step 6 - Work the center nub down till just about cut off and then measure a 2" circle on the end.



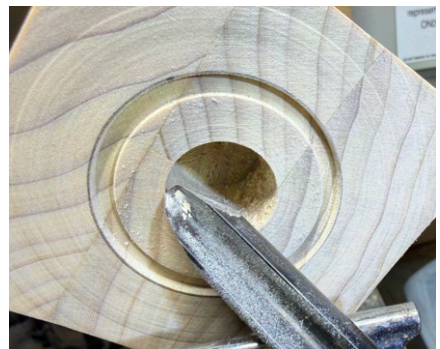
Step 7 - Use a parting tool to make a cut 3/16" deep on the line drawn in step 6 leaving the 60 cone in place to add stability



Step 8 - Drill a 7/8" hole, 1 1/8" deep with a Fostner bit.



Step 9 - Level the area between the drilled hole and the parting cut using light cuts.



Step 10 - Bring up the 60 degree cone back up for support. Take a parting tool and part down at the 1 1/2" mark from the top to about 1" diameter. A lot of the wood on the base needs to be removed up to the parting cut so you have room to make the your cuts for the round over of the top and the diamond beads at the base of the top. Begin rounding the top starting at the parting cut and work your way up to the top. Leave about 1/8" to 3/16" of the square corner at the top.



Step 11 - Begin shaping the base from the round over up to the diamond beads. The diameter of the base at the diamond beads should be about 3/4" diameter.



Step 12 - Sand and finish.

