

## Building a Candle stick

1. Cut stock
  - a. 3.75 x 3.75 x 2.25 (base)
  - b. 2 x 2 x 11 (shaft)
2. Turn base
  - a. Mount stock
    - i. Locate center and mark
    - ii. Flatten opposite side
    - iii. Prepare a faceplate/glue block by flattening glue block
    - iv. Trim corners of base stock
    - v. Glue base to glue block on the lathe
  - b. Using a Forstner bit, drill 1 inch diameter hole .75 inches deep
  - c. Mark a circle on the base of 1.825 inches (do not turn inside this line)
  - d. Turn base to design
  - e. Sand and finish on lathe
  - f. Part off
  - g. Finish bottom
    - i. Turn a one inch tendon on the glue block
    - ii. Reverse base onto tendon and advance the taqil stock for additional support
    - iii. Clean up base, sand and finish
3. Turn shaft
  - a. Mount between centers
    - i. Locate center on both ends and mark
    - ii. Mount with spur drive and live center
  - b. Turn to design
    - i. Mark out major transition onto stock with pencil
    - ii. Using parting tool and caliper, transfer appropriate dimensions
    - iii. Turn to design
  - c. Complete shaft
    - i. Turn a 1 inch tendon in base end
      1. make it no more than .625 in length
      2. slightly under cut the base as you turn the tendon
4. Complete candle stick
  - a. Glue shaft into base with yellow glue
  - b. Using special candle bit, drill recess in top on drill press

### Turning guidelines:

- Always work from tailstock end of lathe towards headstock
- Make stock round with the spindle roughing gouge
- Complete additional turning using the shallow fluted gouge