



# Turning a “Time Catcher”

Walnut Art Object

Original By Dave Stalling

Demo by By Dave Stalling & Jack Karstens

KC Woodturners Members



Time Catcher Profile

# Steps: To make Time Catcher (1)

## **Initial outside turning form – Careful Air Turning**

- Prepare (4"x6"x9") block; cut off one 4"x6" end at ~5 deg; square other end
- Mount center of tapered cut end on safety driving spur & locate live center 5/8" from the face edge of other end
- Pencil on center line layout design profiles on edges: base, sphere & top knot features; mark sphere center on face edge
- Using gouge tool, form outer shape; check that you have a spherical shape, fix if needed; Add tenon to base
- Sand with 120-180 grit
- MEASURE SPHERE'S THICKNESS FROM FACE TO SPHERE BACK AT CENTER -- RECORD THIS THICKNESS

# Steps: To make Time Catcher (2)

## **Reorient spherical form on adapter ring– Remove center wood**

- **Mount using hot glue to secure hollow sphere**
- **Center & square sphere face to live center and mount sphere**
- **Secure Sphere to mounting ring with hot glue (Hot gun helpful)**
- **Using bowl gouge or scraper, form hollow sphere leaving uniform wall  $\sim 5/16$ " thickness**
- **Mark inner surface inner grooves to give  $\sim 1/4$ " ribs**
- **Cut  $3/16$ " deep grooves groove with  $1/8$ " diamond cutoff or groove tool; Sand 120g-320g**
- **Remove the Time Catcher sphere from the support ring with hot air gun**

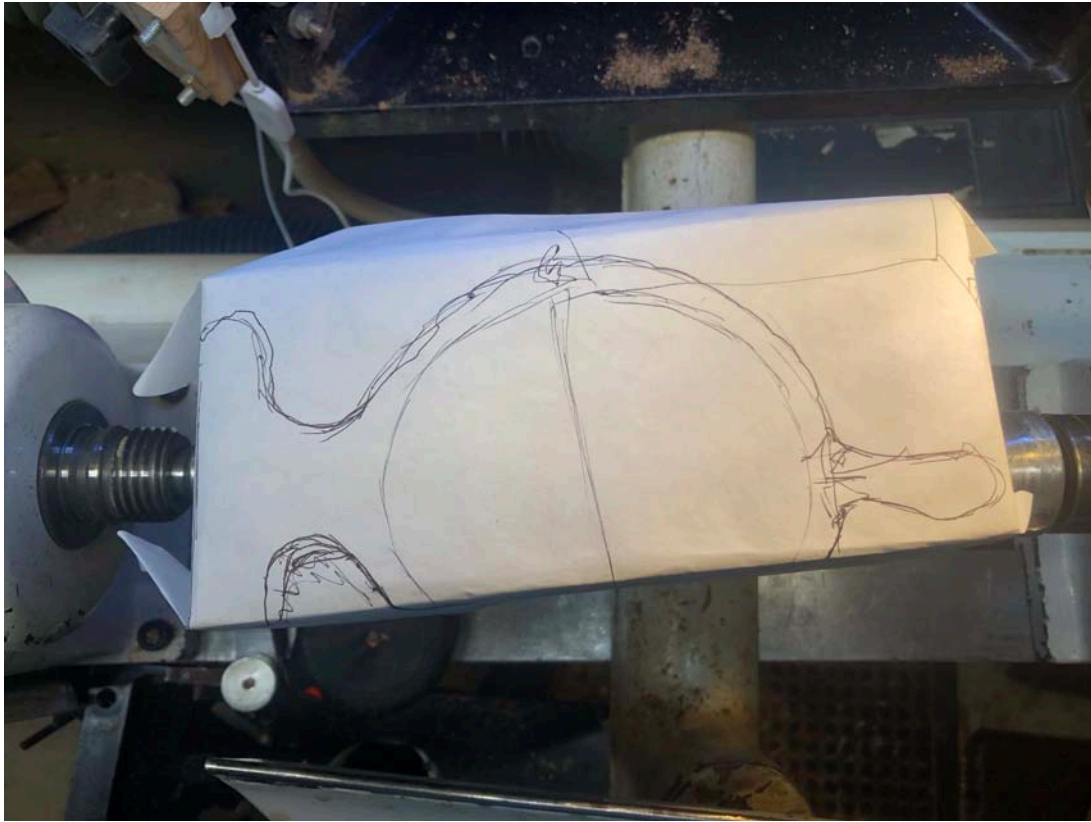
# Steps: To make Time Catcher (3)

## Remount Time Catcher in chuck for turning outside

- Chuck Time Catcher tenon in lathe chuck and position live center
- Remove hot glue residue
- Mark outer groove positions
- Cut 3/16" deep to intersect inner grooves (KEEP CUTOFF TOOL SHARP)
- Cut outer grooves and turn top knot
- Clear intersections not cut through
- Sand grooves and surface of Time Catcher (120g-320g)

# Suggested Tools, Support Ring -Hot glue

- Bowl gouge (3/8" – 1/2" ); safety drive spur and live center
- Scrapers (1/2" & 1") – Adapter grip ring (donut/jam chuck)
- Diamond Cutoff tool (1/8")
- 1/8" Curved Groove tool (made from 3/16" tool steel rod)
- Round Carbide Cutter tool
- Hot glue & Hot air blower
- Sander, 3" disk & sandpaper disks
- Dremel Tool with pointed cutter or 1/8" pointed wood rasp/file
- **Choice of tools may vary based on personal preference**



What are we making?  
A Time Catcher!

# Align Live Center with Inner Sphere Center

- Align Internal with External Spheres (~1mm/0.040")





Sanded and Ready to Part Off

