

Instructions for making a Comfort Ring

Accessories:

- Comfort Ring, finger sized for recipient, width 6mm or 8mm
- Ring Blank—1-3/16" or large enough for ring diameter
- Turning Mandrel Bushing style (#R6RINGBU) or Cone style (#R4SMAN4/9)
- Ring making Faceplate #R6RINGFP
- Chisels: Roughing Gouge, Detail Gouge, Parting Tool, Skew
- Sandpaper: 150-600 Aluminum Oxide for wood, micro fine for Plastic



A. Use a piece of scrap wood for mounting your ring blank. Size about 1-1/2 x 2" long. Mark the center and use 4 screws to mount the Face Plate in the center



B. Mount the assembly in a drill chuck or lathe chuck in the Headstock end. Note PSI drill chuck style #TM42 can be safely screwed onto the headstock.



C. Use a roughing gouge to turn the scrap wood to about 1" round. Then D. Part the Face Square with a parting tool and flatten with a Spindel gouge to make a flat surface to the ring blank



E. Rough the surface of the ring blank and face of the scrap wood. Use Adhesive to glue the blank to the scrap. Press together on lathe as shown until cured.



F. Turn the Ring Blank round to match the scrap. Turn the face of the Ring Blank to square with a spindle gouge



G. Mark the center of the Ring blank then use a caliper to clearly scribe the diameter on the blank that matches the OD of your ring.



H. Use a parting tool to hollow out your blank up to the scribed diameter. Smooth the edges of the inside hollow flat. Make the depth deeper than the ring width.



I. Continue to size the ID of the Ring Blank until the Comfort ring slides easily inside. Make sure there is sufficient depth to accept the ring width.



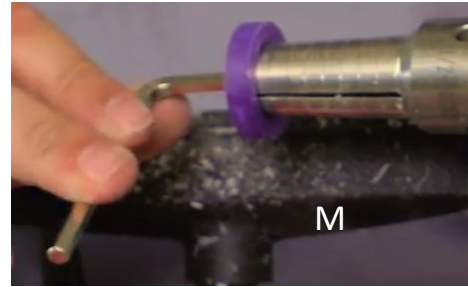
J. Measure the width of the ring with a caliper. Use the caliper to scribe a line on the blank with a parting tool to the exact width of the comfort ring. Part the ring exterior completely off the blank. Clean up any rough edges



K. If using a transparent blank (i.e. many plastics) it will be necessary to paint the ring exterior a matching color



L. After the paint dries, Carefully glue ring core Inside the blank



M. Mount the assembly onto a ring mandrel. A cone mandrel is shown above. Tighten the mandrel to securely hold the ring. A "Bushing Style" mandrel can be used instead however that style mandrel does not give easy access to the sides around the ring.



N. Turn and smooth the edges of the ring blank around the Ring core



O. Sand the blank down the same as any other turning project. Start with 150 grit through 600/800 Aluminum oxide paper. Wet sand with the ultra fine sanding sticks for a polished finish. Wood rings can be sealed with CA glue.