

Southern Turners Project Sheet

Eccentric Goblet



This project sheet details one way to make an eccentric turned goblet.

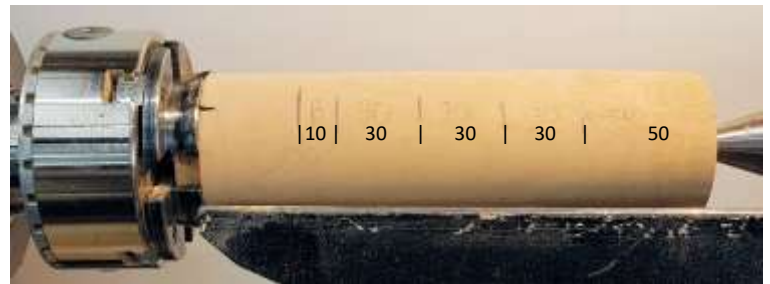
Choose a piece of fine grain timber approx. 65mm square and 220mm long. Mount between centers and rough down to approx. 60mm diameter.



Cut a tenon 10mm in width on one end to mount in your chuck.



Mount your blank in your chuck. Using a marker place a mark on the blank in line with chuck jaw 1. This will help with alignment in the future. Mark up the blank, a suggested markup from the right end is – 50mm, 30mm, 30mm, 30mm & 10mm.



Hollow out the end of the blank to form the internal bowl of the goblet approx. 45mm in depth. Sand and finish at this time.



Support blank with a ball or conical wooden jam chuck. Shape goblet. Make stem approx. 15mm thick. Stem thickness can be reduced with practice.



Sand and finish at this time.



Rotate blank until chuck jaw 1 and timber mark are at the top. Bring tool rest up to just touch lip of goblet, this will be used to measure the first offset point.



Gently slightly loosen chuck until blank will just move. Move the goblet lip 10mm away from the tool rest. Tighten chuck. Check that blank is still flush against chuck jaw 4.



Hand rotate goblet to make sure it is clear of the tool rest. Turn the next section down to round. Shape stem and offset joint, a good tool to use is approx. 8mm fingernail grind sharp spindle gouge.

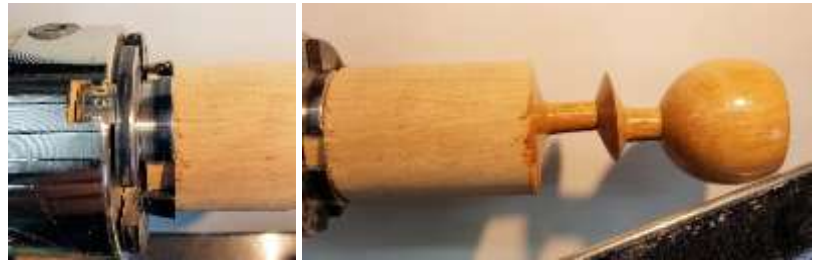


Sand and finish at this time.



Loosen chuck and reseat blank flush to the chuck. Rotate chuck until chuck jaw 3 is at the top. (Opposite to previous jaw 1)

Bring up tool rest to lip of goblet.



Loosen chuck and move goblet lip 10mm away from tool rest. (This is 180 deg from the previous offset movement)



Repeat previous process and then sand and finish at this time.



Loosen chuck and reseat goblet flush to chuck jaws. Shape goblet base and using a parting tool undercut the base, leaving approx. 15mm.



Support goblet cup with tailstock. Sand and finish. Part off to complete.



Finished Goblet



Basic Requirements

Roughing Gouge

Spindle Gouge

Fingernail grind Spindle Gouge (approx. 8mm)

Parting tool

Forstner bit for hollowing (optional)

Ball or wooden jam chuck for supporting goblet during turning (only used if blank flush mounted)

Sandpaper

Finish – wax or oil

Any other tools you think you may need.