

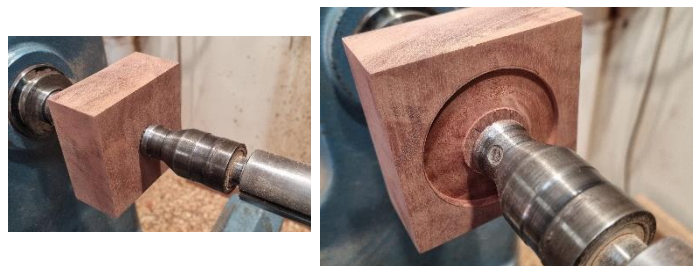
# Southern Turners Project Sheet

## Square Box with Oversized Lid

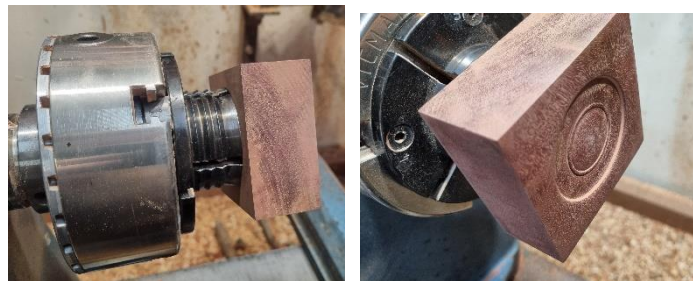


This project sheet details how to make a square box with an oversized lid. It is a good little project to use up smaller offcuts, can be made of pretty much any size you like and looks great when using a contrasting timber for the lid. With the lid being oversized and protruding from the edges of the box there is no need to have a handle or knob on the top, which leaves a clean sleek shape. The blank must be square and the centre marked as accurately as possible, take your time at this stage as it will show later if you are off centre at all. As mentioned earlier you can make a box of whatever size you like – it will only be limited by the size of your chuck jaws. The blank used in the following example is 80mm square and 40mm deep. As there are sharp corners produced when making the box, care must be taken particularly when sanding and as always, all safety gear should be worn.

Begin by mounting your blank between centres. This it is critical that this is done as accurately as possible. The top of your box should be facing the tailstock. Turn a recess to suit your chuck jaws, ensure the sides of the recess are square.



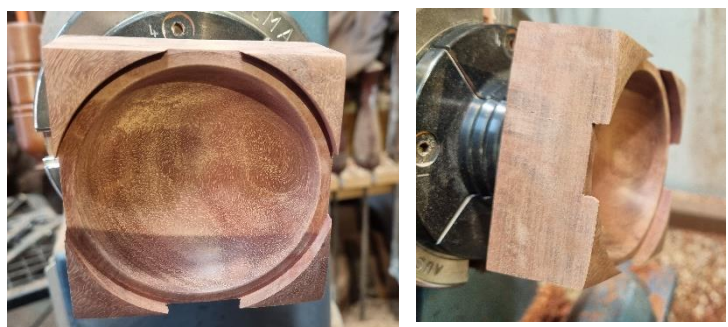
Reverse mount your blank into your chuck and expand the jaws to tighten. Turn another recess to suit your chuck and sand to completion. This will be the bottom of your box.



Reverse your blank into your chuck again. Mark a line that just touches the outer sides of your blank. Hollow your box, ensuring that you stay 3mm-4mm inside the line. Don't be too concerned about being exact as you can adjust it during the next step if needed.



Form a recess using the line as a guide. Expand the recess slightly, so that there are 'break through's'. These should be less than one third of the edge of your box. Work in small increments, you may need to stop the lathe and check several times. The recess should be approximately 6-7mm deep. Remove the box base from the chuck.



Put your lid blank against your chuck jaws and push up against it with the tail stock. Form a tenon to suit your chuck. Withdraw the tailstock and reverse the blank gripping your lid tenon by your chuck jaws.



Turn your lid diameter down to fit your box. This may take several attempts, but work slowly and check frequently. Turn a recess into the under side of your lid and sand to complete. Remove from the lathe



Remount the box base into your chuck, put the lid on and push up on it with your tailstock to hold in place. Taking light cuts, gently turn down the thickness of your lid and blend into the base. Sand to complete.



Remove the based from the lathe and mount the lid onto your chuck, using the recess turned earlier. Again, using light cuts, gently finish off the centre of your lid. Sand when completed.



Apply your favourite finish and job done.

