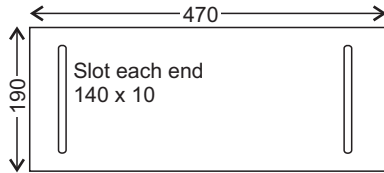




## ROUTER BOX FOR VEINING

This is a box to support a router as it moves longitudinally along a piece of spindle turning to make veins or flutes in that work or a flat side on it.

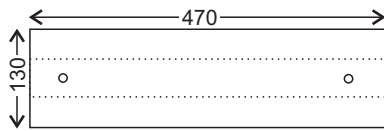
The design shown here will suit a lathe with a spindle height between 200 and 250mm above the bed and a turning up to 120mm diameter and veining or fluting on the work up to about 400mm long. Morse taper extenders may be needed to hold short work. You should check the width of your router foot before continuing.



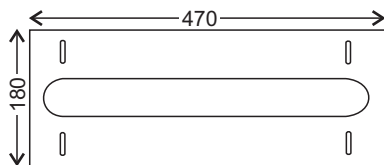
Sides. Make 4 pieces to these dimensions with the slots shown. Use 12 mm ply.



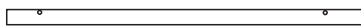
Centering guide 7mm hardboard cut to 50 x 470



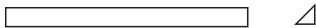
Bottom. 12 mm ply. Glue and screw centering guide to underside. Drill an 11 mm hole at each end.



Top. 12 mm ply. Cut the centre hole to 50 x 430 mm. The four vertical slots to hold the control rails are 6 x 30 mm.



2 Control rails. For each use two lengths of 12 mm ply laminated to make 2 pieces 20 x 24 x 470 mm. Drill bolt holes close to the edge.



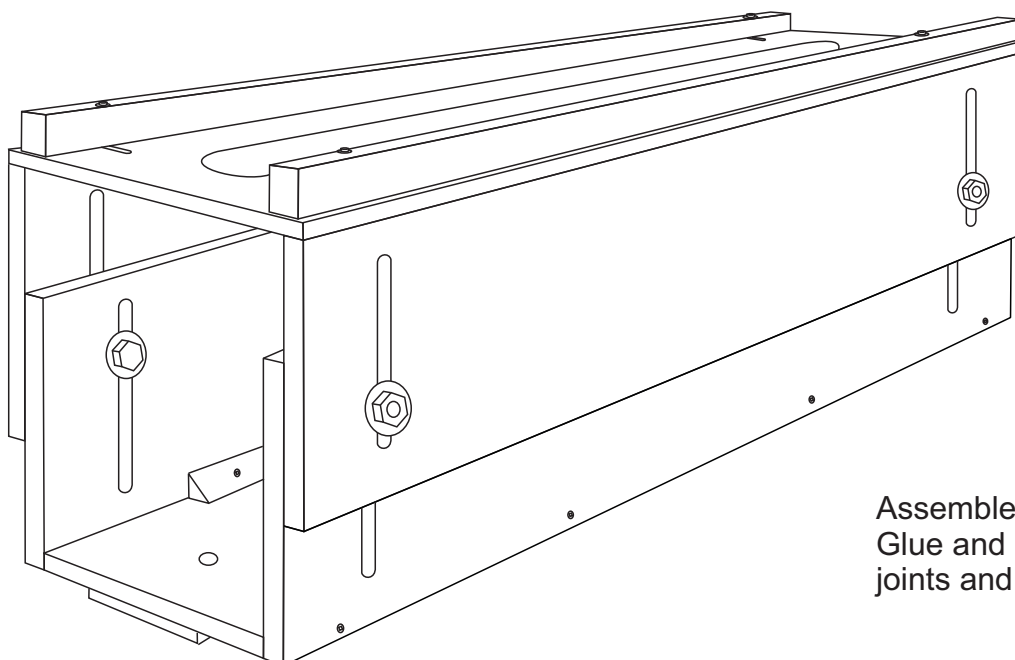
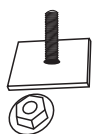
Braces. Cut 4. Each 320 mm long and triangular being 25 x 25 mm and about 39 mm on the long side.



Underbed plates. Make two from 5 mm thick steel cut to 45 x 60 mm with a 10 mm hole in the centre. Glue the 10 mm bolts in with Araldite.

### Shopping List

- 12 mm ply for all except braces.
- 7 mm hardboard for centering guide.
- Wood for braces.
- 5 mm steel for underbed plates.
- 4 bolts 40 x 8 mm each with a nut and two washers.
- 4 bolts 50 x 5 mm each with a nut and two washers.
- 2 bolts 40 x 10 mm with one nut and washer.
- 4 x 15 mm wood screws for centering guide.
- 16 x 25 mm wood screws for top, bottom and braces.
- PVA glue.



Assemble the router box. Glue and screw all wood joints and the bracing strips.