

Large Pine Box (nominal size 10w x 10h x 12l)

Overview

Tools - Table Saw , Router table , router, palm sander ,scroll saw (optional)

Techniques - Rabbet Joint , Rabbet (bottom) , scroll saw relief cut (optional) , chamfered edge on top, optional rabbet for inset top

Bill of Materials

1 x 10 - 60 inches

6mm baltic birch. Approx 1 square feet depending upon exact measurements of memory box

Cut list

2 - 12 inches 1 x 10 pine 1 (front and back)

2 - 8 inches 1 x 10. Pine (2 sides)

1- 12.5 inches 1 x 10 pine (top)

6 mm baltic birch (cut to size required about 12.5 inches x 8 inches for bottom)

Instructions

1.Cut front/back/sides/ Top as per cutting list dimensions

2.Router rabbet on both sides of front and back (picture below)

3.Router rabbet to support baltic birch bottom on front, back and both sides (picture below)

4.Assemble the front, back and two sides for dry fit. Note

Sand the inside surfaces of front/back/ 2 sides with 120 grit sand paper before assembling.

5. Apply glue and then clamp the front/back and sides

6.Fill cracks which may be on some of the joints with wood filler

7.Cut top to final size . Use router for decorative top profile (chamfer or round-over etc.) If inset top is used then router rabbet to proper side to allow top to be insert into box. Also an optional relief cut using scroll saw can be done on the top , heart shape for example.

Step 1 Cut front, back and two sides. Top can be cut to size after assembly of front/back and sides .



Step 2 Router Table - Rabbet on both sides of front and back for rabbet joint with sides . Rabbet width the width of stock and depth $\frac{1}{3}$ to $\frac{1}{2}$ thickness of stock.



Step 3 Router rabbet for the bottom. Picture shows rabbet on bottom of a front/back and on one side . Keep depth the same as step 2 but width will be just over 6 mm to accommodate 6 mm bottom. Front back and both sides have the rabbet fr the bottom as per picture below.



Step 4 Assemble front/back and two sides . Note jig used for ease of assembly for just one person . Ensure inside sanded before assembly and outside will be sanded after assembly



Step 5

Glue and then clamp the front/back and two sides together



Step 6 Use wood filler where required and then sand the outside of the box.



Step 7. Cut top to final size .

Use router for decorative top profile (chamfer shown below on inset top .)

If inset top is used then router rabbet to proper side to allow top to be insert into box.

Another option is hinges with. Chain to support top in open position

Note optional scroll saw relief cut of heart on top .

