Side Table Build Plan by Badger Workshop

Watch The Build Video Here

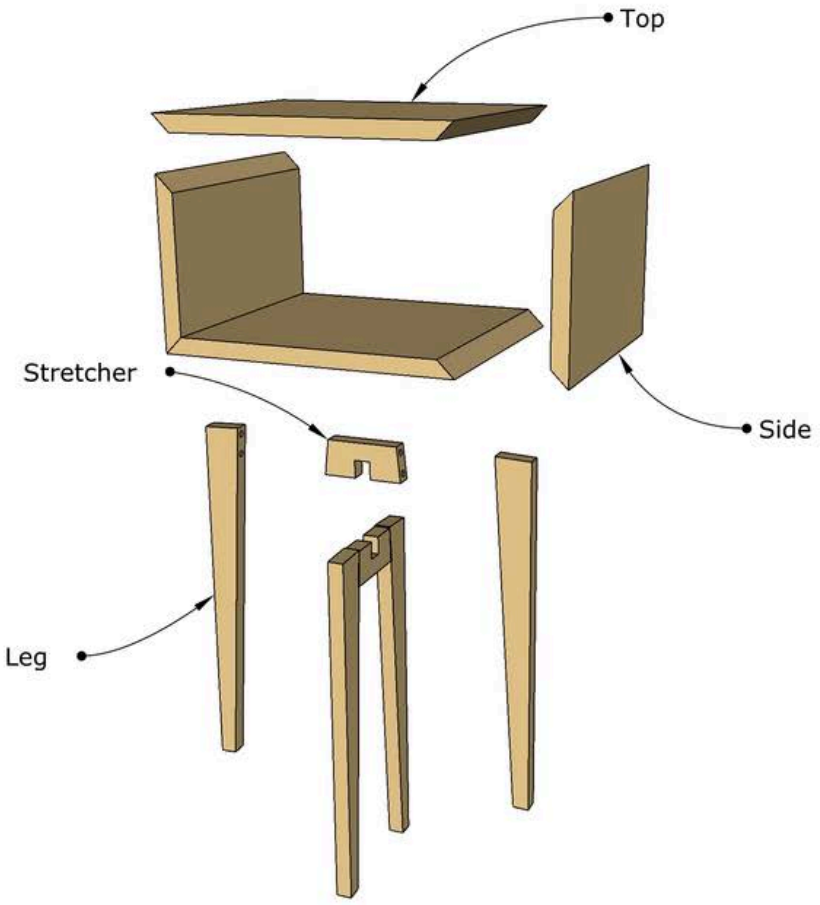
Cut list & Materials

Part	Description	Quantity	Length	Width	Thickness
A	Top & Bottom	2	350 mm	300 mm	20 mm
B	Side	2	300 mm	200 mm	20 mm
C	Leg	4	458 mm	45 mm	20 mm
D	Stretcher	2	100 mm	45 mm	20 mm

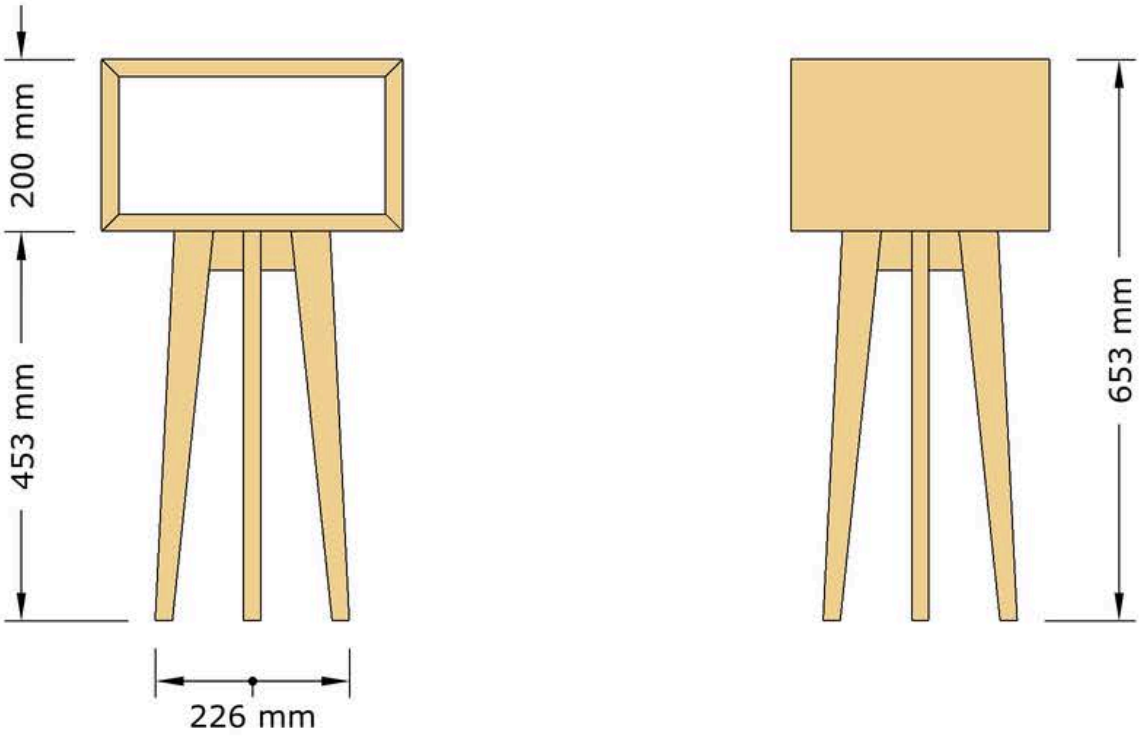
Supplies

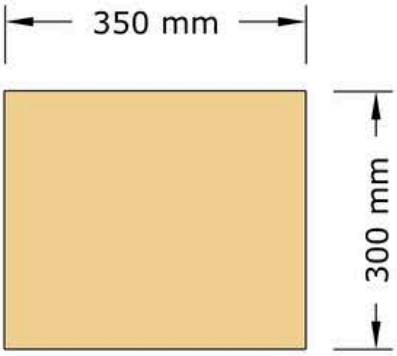
Description	Size	Quantity
20mm x 300mm Pre-Glued Board	2.05m	1
20mm x 45mm Lumber	1.2m	1
8mm Dowel	38mm	8
L Bracket	20mm	2

Also needed wood glue, sand paper and Beeswax.



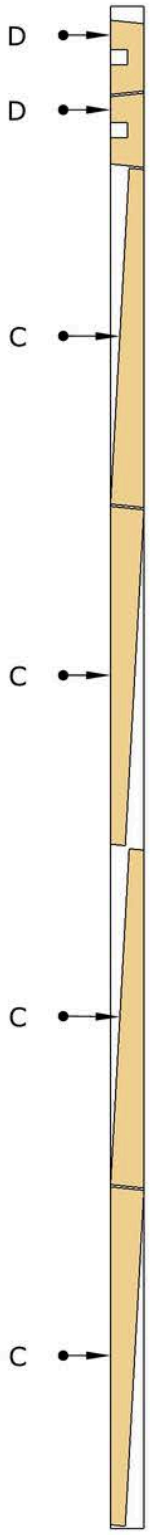
Overall Dimensions



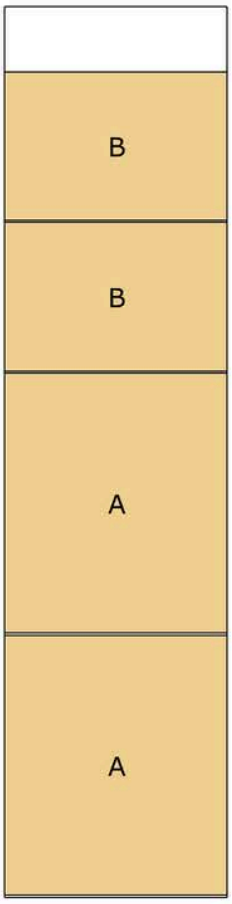


Cutting Layout

20mm x 45mm x 2050mm Lumber (One Board)



20mm x 300mm x 1200mm Pre-glued Lumber (One Board)

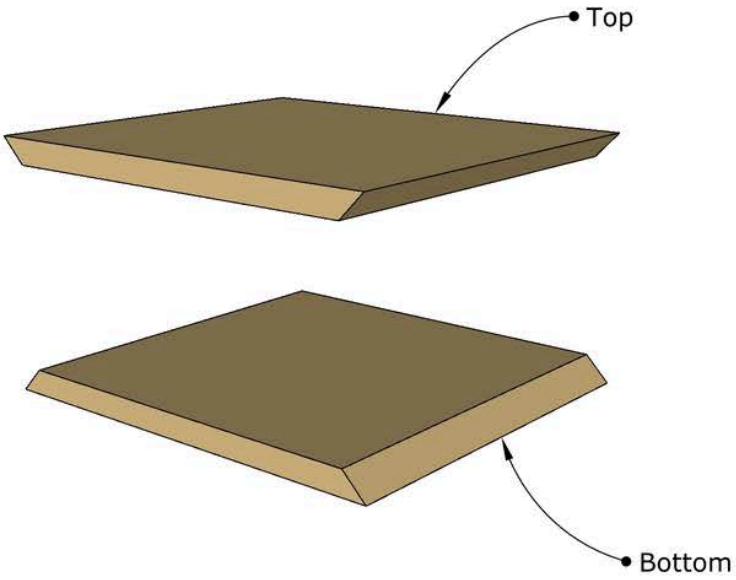


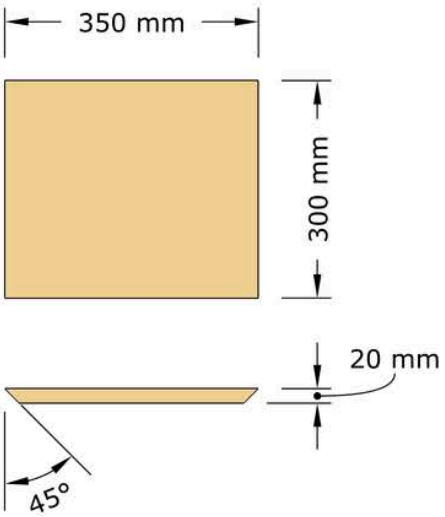
Top & Bottom

Step 1: Set the table saw bade to 45° to make the first bevel cut.

Measure and set the fence distance from the blade according to the size, see diagram below.

Make the second cut. Repeat until you get the top and bottom.



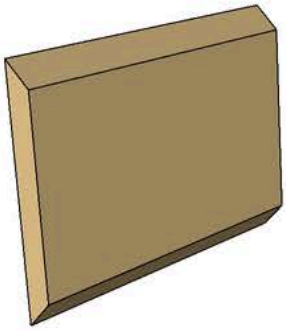


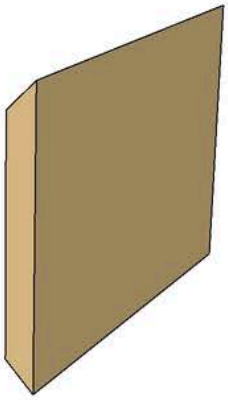
Important:
Ensure the fence is parallel to the blade to avoid kickback.

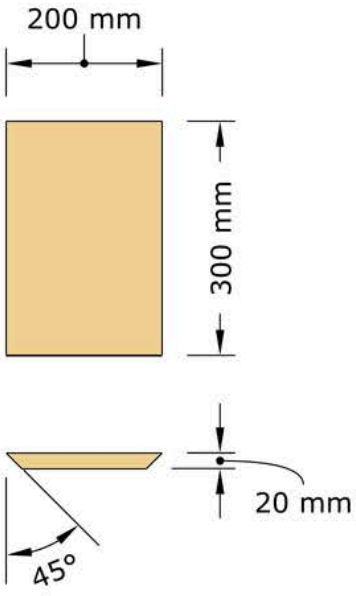
Sides

Step 2: Using the same table saw bade set, measure and set the fence distance from the blade according to the side size, see diagram below.

Make two more cuts to get the two sides.

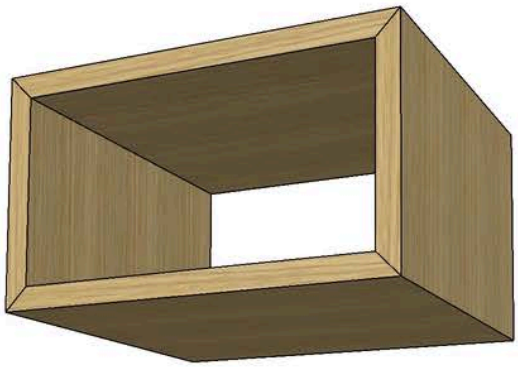


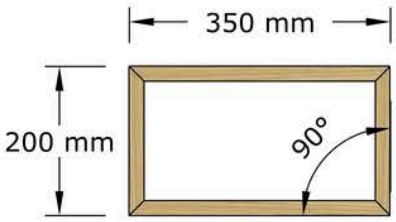




Case Assembly

Step 3: Glue up all the case parts, using PVA glue and corner clamps.





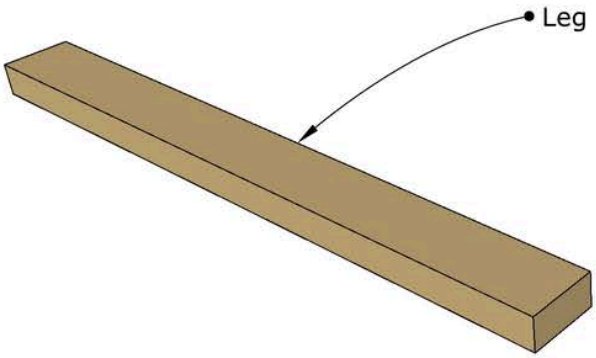
Important:
Make sure everything is square.

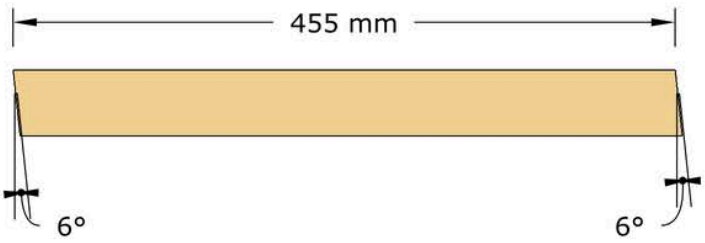
Legs (Miter Cut)

Step 4: Set the table saw bade back to 90°, then set the miter gauge to 6°.

Cut one end of the leg, measure and set the distance from the blade according to the size (see diagram below).

Make the second cut, repeat to get four legs.





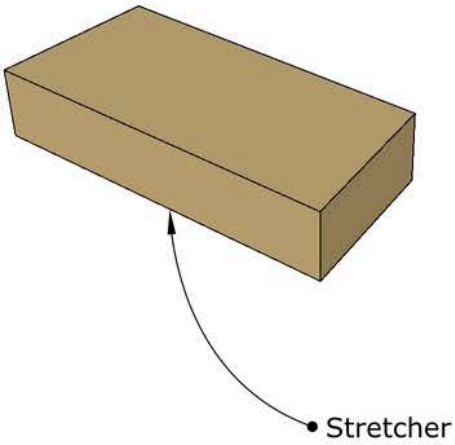
Tip: Place the wood securely against the miter gauge.

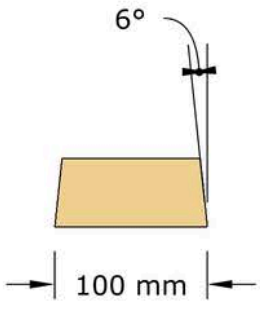
Align the cut line with the blade, ensuring everything is firmly in place.

Stretchers (Miter Cut)

Step 5: Using the same set, measure and set the distance from the blade according to the side size, see diagram below.

Make two more cuts to get the two stretchers.

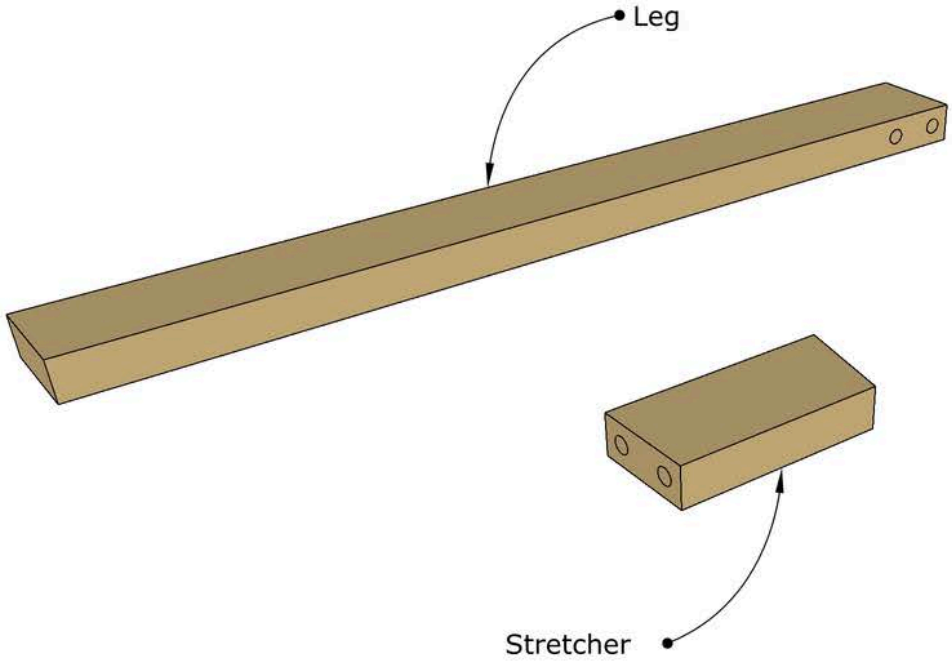




Legs Assembly (Preparation)

Step 6: Prepare legs and stretchers for assembly.

To joint all pieces together I drilled holes for dowels with dowel jig, if you do not have one you could just screw it and plug the holes.

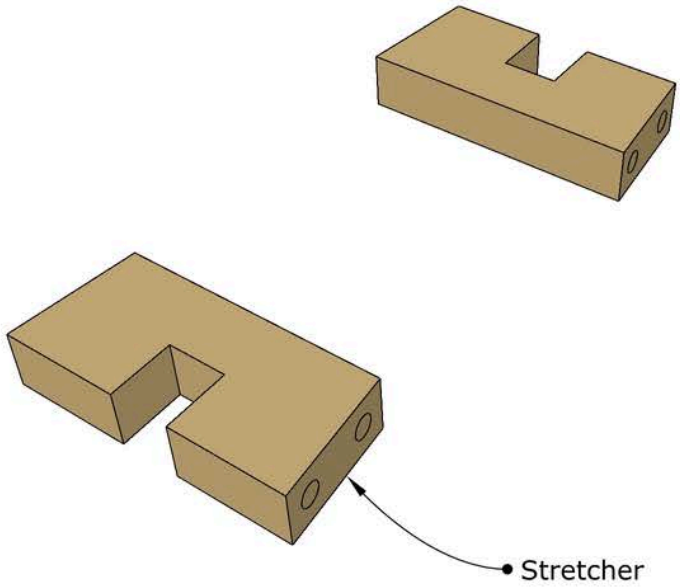


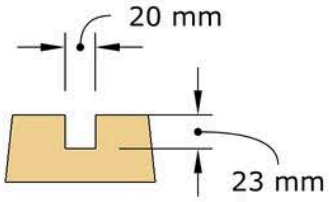
Stretchers (Notches)

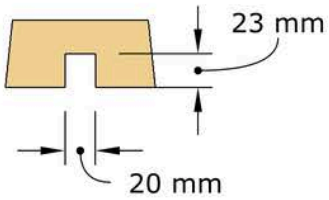
Step 7: Stretchers are cross over each one. You need to cut a notch out of each one.

Mark them using the diagram bellow, set the bade height to the mark.

Set the miter gauge back to 90° and make the cuts.

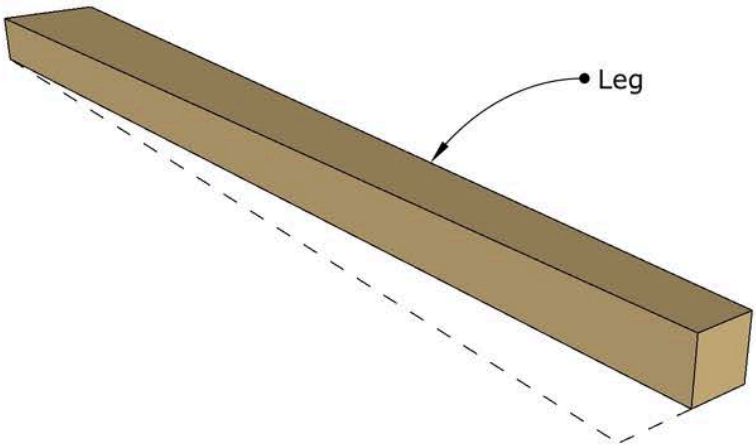


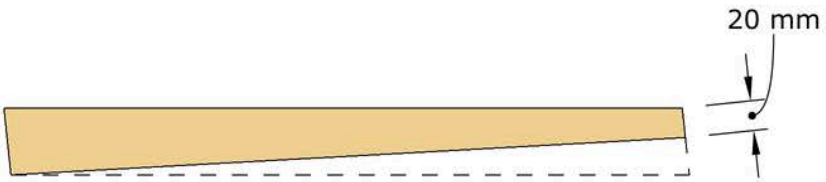




Legs (Taper cut)

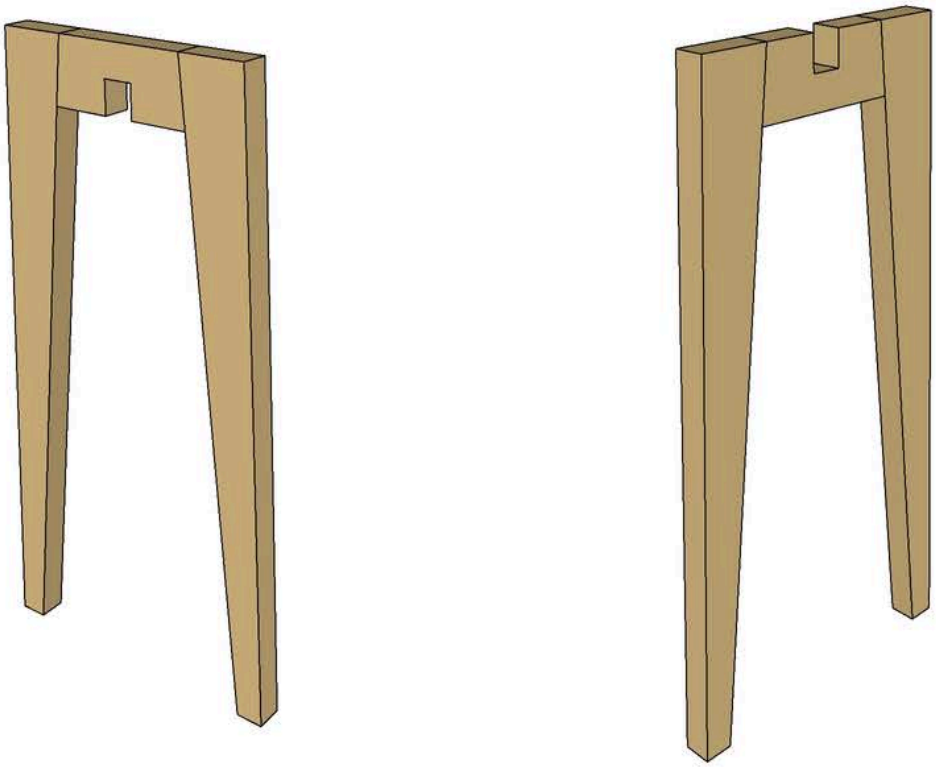
Step 8: Mark the taper line using the diagram. Use a jig to make the cut (see how I did it in the video).





Legs Assembly

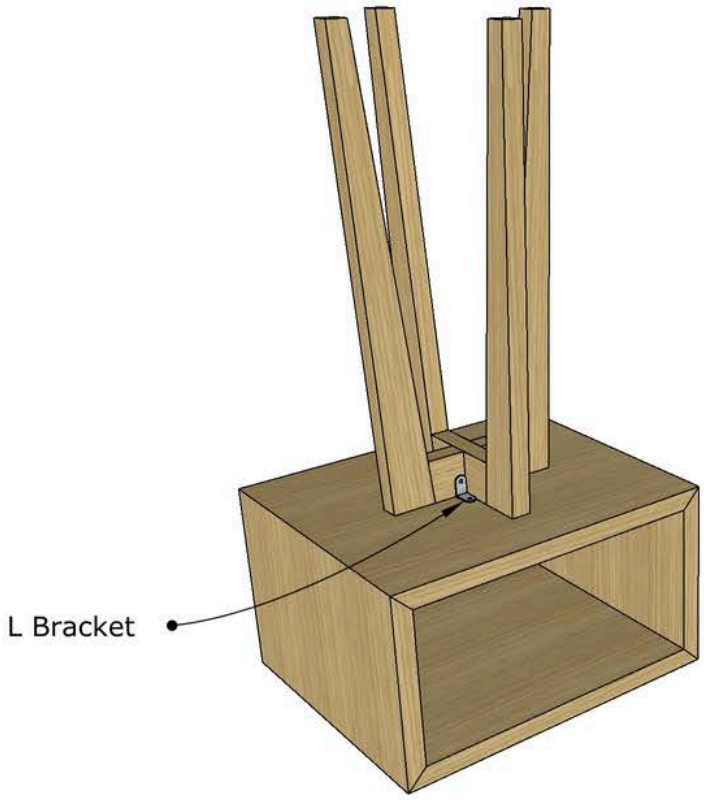
Step 9: Now you can connect the legs and stretchers, put some glue into the holes, tap in the dowels, push everything together and clamp up.

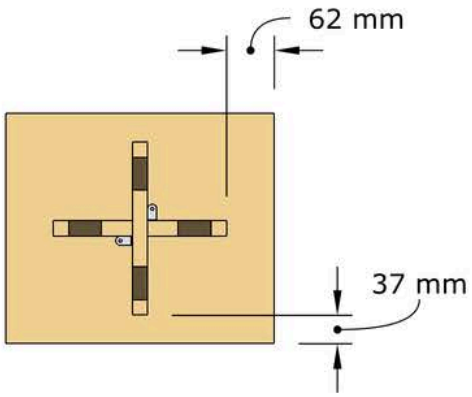


Final Assembly

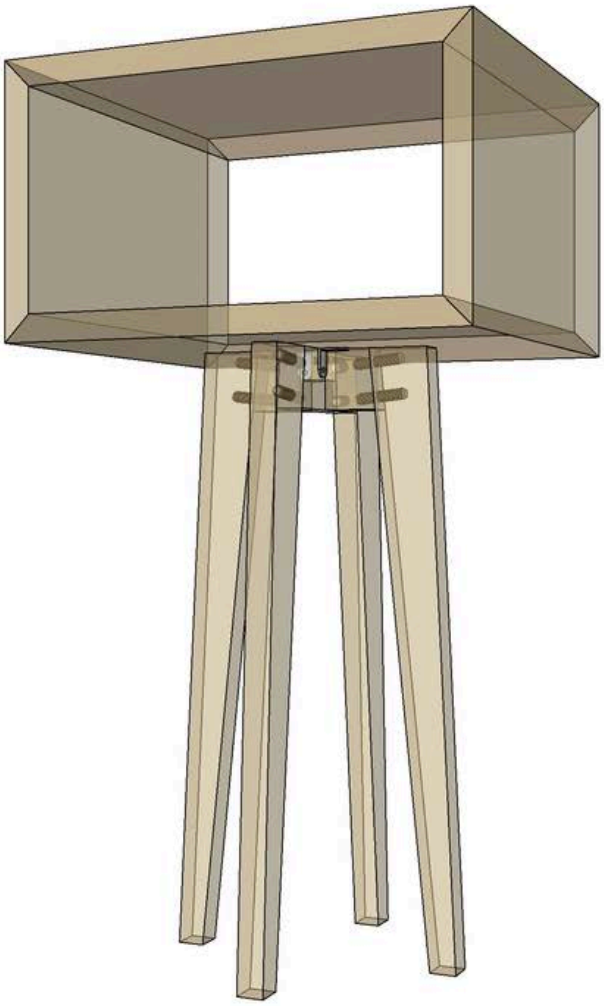
Step 10: Sand and apply finish to all the components before attach the two assemblies.

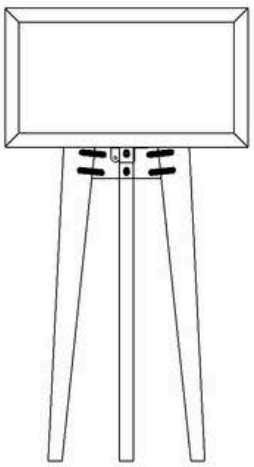
Line up the to assemblies as shown in the diagram, use L brackets to attach.





X-ray view





Perspective