

## Open Source Stool

Cutting schedule:

- 8 no. Component A 36mm x 36mm x 450mm
- 4 no. Component B 18mm x 234mm x 270mm
- 6 no. Component C 18mm x 270mm x 360mm

Cut and planed from a hardwood of your choice.

Equipment:

- Electric drill
- 2mm timber drill bit
- Claw hammer
- Sanding block [this could be a small block of timber]
- 120 grade sand paper [2m approx.]
- Sharp pencil
- Measuring tape
- 1 no. carpenter's clamp
- 32 no. 38mm oval head nails
- 500ml wood adhesive [extra fast]
- Damp cotton cloth

How to Make Open Source Stool:

1. Lightly sand the timber components using the 120 grade sand paper wrapped around the sanding block.
2. Refer to the dimensioned drawings and using a sharp pencil, steel square edge and ruler mark the positions of the legs and nailing locations.
3. Lightly glue the first leg in position and clamp using cardboard between the clamp and the timber for protection.
4. Using a 2mm drill bit drill through approx. 10mm as a start for each nail that is located at the edge of each side and in the seat of each stool.
5. Nail legs in position using three evenly spaced nails per leg.
6. Repeat for each leg.
7. Glue and nail short sides to one of the long sides.
8. Glue and nail other long side in position.
9. Repeat steps 1-8 for second stool.
10. Make sure the stools slot together smoothly before you nail-fix the seats on top.
11. Nail seats in position using one nail per leg.
12. Prime and wax to finish.

Open Source Stool is the result of practice research into human scale, local materials, efficient use of space, self-build and the sharing of creative knowledge.

Inspired by Garret Rietveld's crate furniture and Enzo Mari's chair design, Open Source Stool is designed to be inexpensive to self-build using basic carpentry construction skills and tools. When not in use two stools can be slotted together to form a storage box.

Overall stool dimensions are 470mm high x 270mm wide x 360mm long.

## OPEN SOURCE STOOL

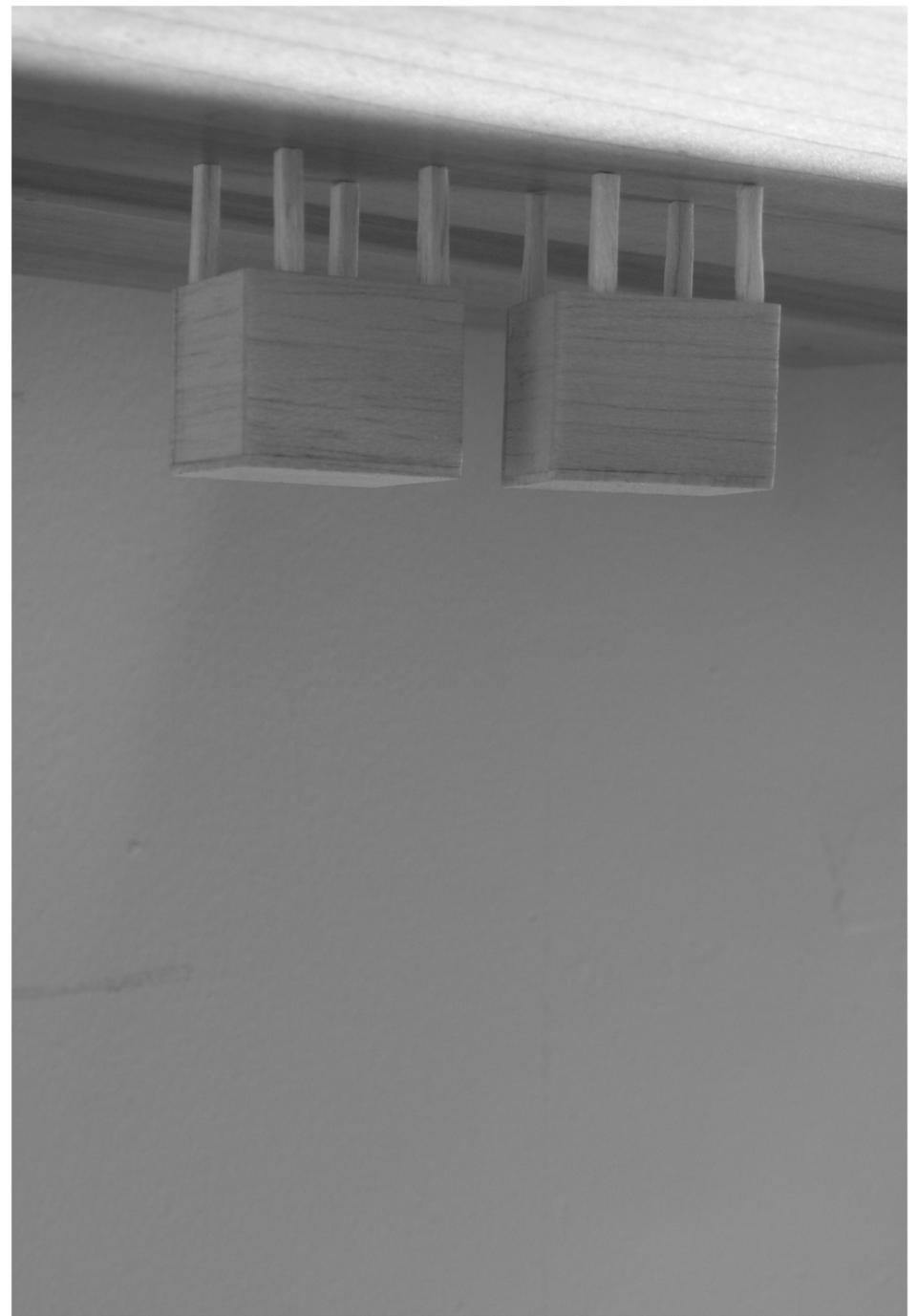
### ALTERNATIVES SERIES

- Start Here Bookmark
- Open Source Bench
- Open Source Stool
- Paper Box
- Light Sleeper
- Three-Legged Trestle

Manuals for all of the Alternatives Series are available as open source material on [www.fionamcdonald.ie](http://www.fionamcdonald.ie)



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## Alternatives Series Open Source Stool

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