



Making Instructions	Tools & Equipment Required
1. Side Rails • Measure, mark and cut 20.5mm x 44mm PSE redwood timber. • 2 @ 467mm	• Tape measure • Try square • HB pencil • Bench hook or vice • Tenon saw
2. Handle Rails • Measure, mark and cut 20.5mm x 69mm PSE redwood timber • 2 @ 344mm	• Tape measure • Try square • HB pencil • Bench hook or vice • Tenon saw
3. Handle Rails • Measure, mark and cut handle rails curved top. • See drawing for dimensions.	• Compass, or 300mm Ø circle (such as paint pot), or template • HB pencil • G cramp or vice • Scroll saw, jigsaw, or coping saw
4. Handle Rails • Measure, mark and cut slots for handles. • See drawing for dimensions.	• Tape measure • HB pencil • Compass, or template • G cramp or vice • Scroll saw, jigsaw, or coping saw
5. Side Rails • Measure and mark dovetails.¹ • Cut dovetails.	• Tape measure • HB pencil • Sliding bevel, or template • Vice or G cramp • Tenon or dovetail saw
6. Handle Rails • Use cut tails to mark pins. • Cut pins using a dovetail or tenon saw and coping saw (a scroll saw is perfect if available).	• HB pencil • Vice or G cramp • Tenon or dovetail saw • Scroll saw, jigsaw, or coping saw

¹ See 'How to Layout a Single Through Dovetail'.



Making Instructions	Tools & Equipment Required
7. Grooves Measure, mark and cut grooves (note stopped grooves in handle rails).	- Tape measure - Mortise gauge - Router
8. Base - Measure, mark and cut 6mm plywood base 420mm x 297mm. - Sand edges with slight pencil round to ease fitting and remove splinters.	- Tape measure - Straight edge - HB pencil - Panel or tenon saw - Abrasive paper + block
9. Assemble Dry (no glue) - Assemble handle rails, side rails and base (no glue). - Use a rasp, if necessary, to finely adjust joints.	- Rasp - Wooden mallet
10. Glue and Assemble - Apply glue to all handle and side rail joints. - Apply glue to grooves for base. - Assemble and cramp. - Check diagonals are equal lengths and adjust, if necessary, before the glue dries.² (This is not essential if the base was cut square). - Clear excess glue using a damp rag, while it is still wet.	- PVA glue - Cramps x 2 - Pinch rods or small section timber with pin inserted - Damp rag
11. Finishing - When the glue is dry, cut off overhanging joints flush. - Plane all external edges and joints flush using a smoothing plane, including top and bottom of tray.	- Tenon saw - G cramp (to hold tray while planning) - Smoothing plane

² See 'How to square a frame'.


Making Instructions
Tools & Equipment Required
12. Finishing

- Fill any gaps with pine coloured filler.
- When filler is dry, sand³ all surfaces and edges using 60 grit abrasive paper and sanding block.
- Sand all surfaces and edges using 80 grit abrasive paper and sanding block.
- Sand all surfaces and edges using 120 grit abrasive paper and sanding block.
- Form pencil round on all edges.

- Vice
- Smoothing plane
- Pine coloured filler
- Sanding block
- 60 grit abrasive paper
- 80 grit abrasive paper
- 120 grit abrasive paper

13. Finishing

- Brush any dust off the frame.
- Clean frame with white spirit and allow to dry.
- Sand frame with fine wire wool.
- Clean frame with white spirit and allow to dry.
- Apply Danish Oil (follow instructions on tin).

- 25mm paint brush
- White spirit
- Rag
- Fine wire wool
- Danish Oil

³ Always sand with the grain.