



Making Instructions	Tools & Equipment Required
1. Side Rails • Measure, mark and cut 20.5mm x 44mm PSE redwood timber. • 2 @ 420mm	• 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 @ 320mm	• 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. Base • Measure, mark and cut 5.5mm plywood base 405mm x 305mm. • 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
8. Base • Measure and mark fixing spacings for plywood base.²	• Tape measure • Pencil
9. Assemble Dry (no glue) • Assemble handle rails and side rails (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. • Assemble and cramp. • Check diagonals are equal lengths and adjust, if necessary, before the glue dries.³ • 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. Base • Do not remove cramps. • Glue bottom edge of assembled frame. • Pin base to frame using 25mm panel pins. • Using pin/nail punch, drive pins flush to surface (or just below).	• PVA glue • Pin hammer • Pin/nail punch • Damp cloth

² See 'Base Layout'.

³ See 'How to square a frame'.



Making Instructions	Tools & Equipment Required
12. 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 planing) • Smoothing plane
13. Finishing • Fill any gaps with pine coloured filler. • When filler is dry, sand⁴ 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
14. 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 and allow to dry (follow instructions on tin). • Apply second coat of Danish Oil and allow to dry. • Buff finished frame with clean cloth.	• 25mm paint brush • White spirit • Rag • Fine wire wool • Danish Oil

⁴ Always sand with the grain.