



# K.J.Howells and Son

## Teak Grating Kit

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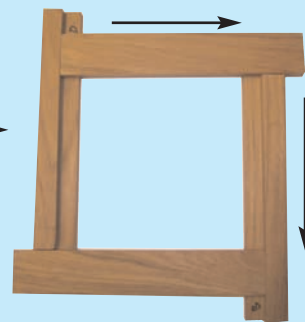
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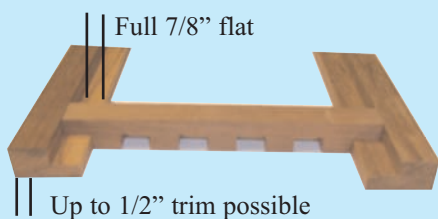
1. Lay the four outer frames on a flat surface as shown above.



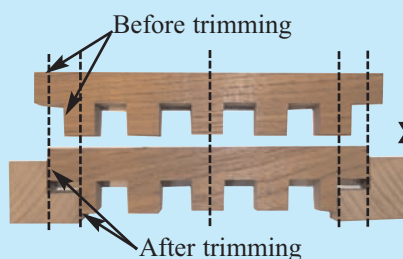
2. Butt the four joints together as shown.



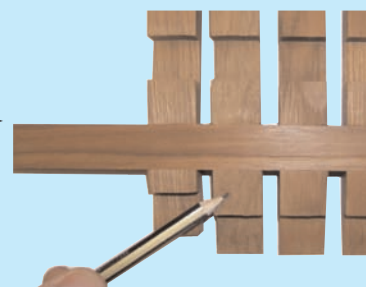
3. You can slide the frame to arrive at the size you require. The surplus outer frame will be cut off after completion.



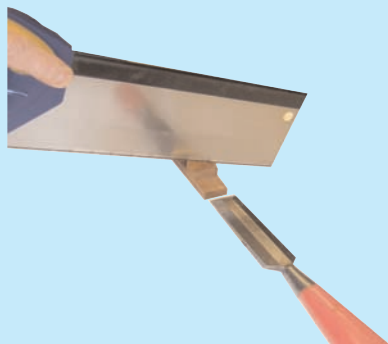
4. Try to arrange the castles so there is a full 7/8" flat joint as above. You can make the overall size of the outer frame up to 1" larger than your desired finished size and trim off up to 1/2" from both sides on completion.



5. If this is not possible and you have a full depth castle falling on the outer frame, centralise the castle section and cut both sides (as shown), making sure they are exactly the same.



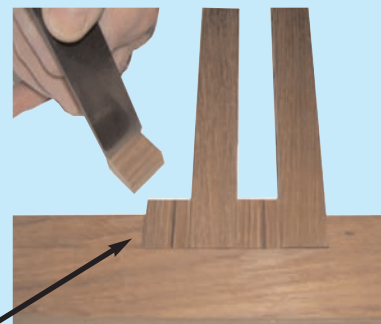
6. To ensure all the castles are cut the same, lay a flat infill between them and mark all castles prior to cutting.



7. To cut the castle profile, cut vertically with a tenon saw and lightly tap a sharp chisel horizontally to remove.



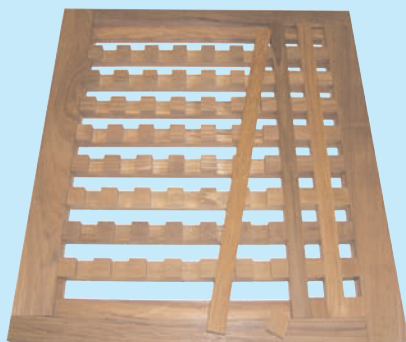
8. Now lay the castles in the outer frame, placing a 7/8" flat spacer in between. If necessary, trim each spacer with a sharp chisel to end up with even spacing. Make sure the grain of the spacer blocks run parallel with the runners (see right).



9. Now you are ready to glue it together. The epoxy should be mixed 5 parts Epoxy Resin to 1 part Hardener (using the marked stick provided) in a suitable container.



10. Glue the outer frame making sure you wet all mating surfaces with epoxy. G-clamp the 4 corners as shown. Now glue the castles and blocks in position. Place a flat infill underneath (making sure no epoxy comes into contact it) to ensure the castle sections line up. Now leave over night to dry.



11. Next day remove the clamps. Turn upside down and remove any surplus glue in corners etc with a sharp chisel. Now cut the flat infills to length and glue, making sure all mating surfaces are wet with epoxy. Do the same with the infill blocks. Now leave over night.



12. Finally, the next day give the grating a good sanding, and stand back and admire your beautiful Teak Grating. Congratulations!!