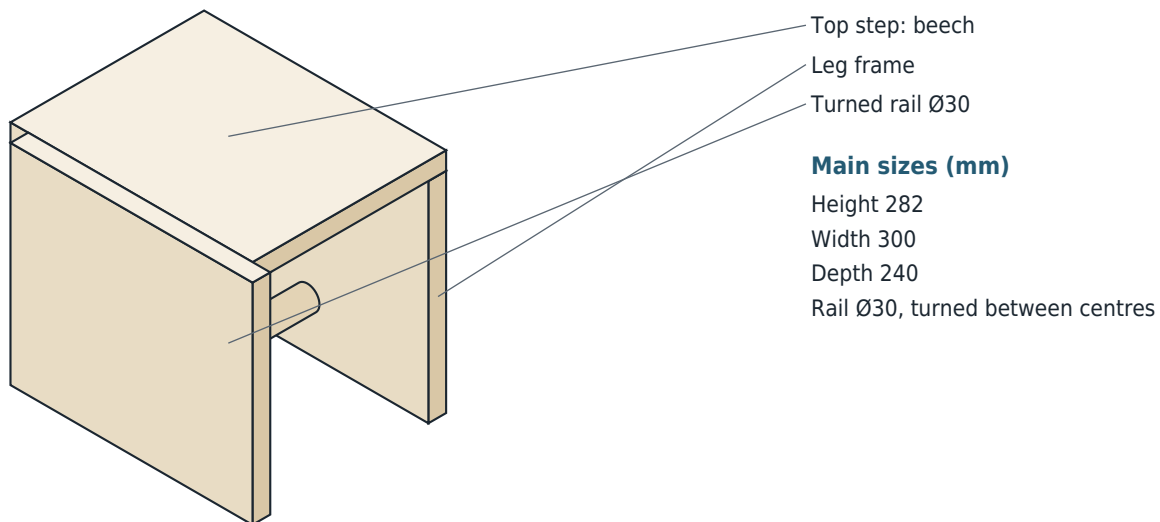


Case study 5: Step stool

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The product. A small step stool for a kitchen has two legs, a top step and a turned rail between the legs for strength. Use the drawing to answer the questions. Answer in sentences for describe and explain questions; you can add labelled sketches.



1 The turned rail is made on the woodturning lathe between centres.

(a) Describe how to prepare the square blank before mounting it on the lathe. (2 marks)

(b) Describe two safety precautions when using the lathe. (2 marks)

2 The rail must be 30 mm in diameter.

Name the measuring tool used to check the diameter while turning. (1 mark)

Case study 5: Step stool

WOODWORK WITH MR KELLY

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3 *The top step is made from beech.*

Explain why beech is suitable for the step. (2 marks)

4 *The legs are joined to the top with a flat-frame or carcass joint.*

Name a suitable joint and give one reason for your choice. (2 marks)

5 State one item of PPE that should not be worn when using the lathe, and why. (1 mark)

Total: ____ / 10