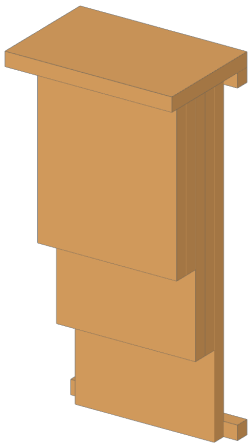
Bat House

A crevice bat box from one rough-sawn board. Ten parts, nailed together.

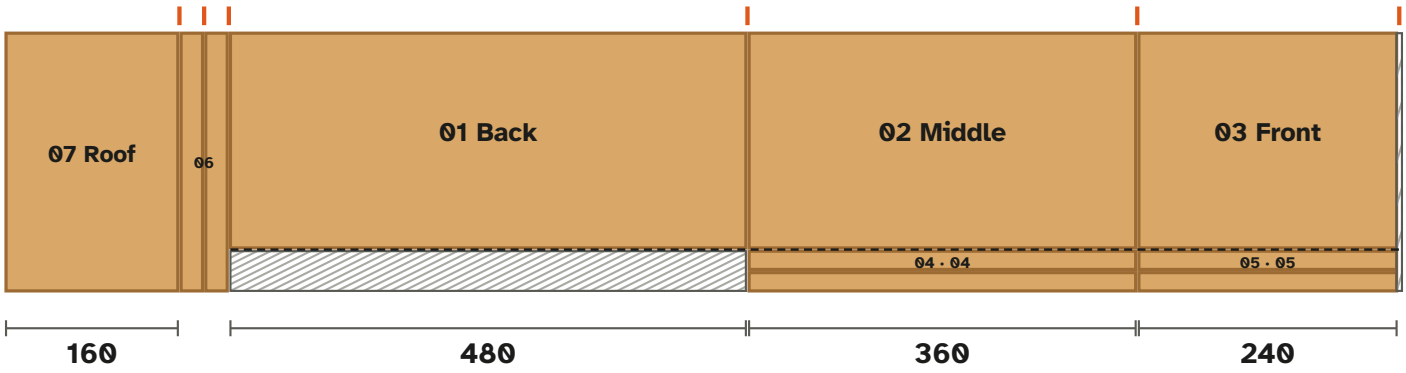


STOCK	1 board, 1300 × 240 × 20 mm, untreated, rough-sawn
OVERALL	240 W × 500 H × 160 D mm
CREVICES	Two, each 20 mm (sheet allows 15 to 25 mm)
PARTS	10 parts · 91% of the board used
CUTS	6 crosscuts, 3 rips
FIXINGS	About 36 nails, 40 mm, galvanised · 2 brackets, 4 screws
FINISH	None. No stain, paint or preservative

3 · Improver | About half a day (3–4 hours) | About £12 per bat house | 11 tools

Cutting layout (to scale)

Kerf 3 mm · orange = crosscuts · dashed = rips



Cut list

NO	PART	SIZE (MM)	QTY	NOTES
01	Back board	480 × 200 × 20	1	Inside face stays rough
02	Middle board	360 × 200 × 20	1	Bottom sits 120 mm up
03	Front board	240 × 200 × 20	1	Bottom sits 240 mm up
04	Long riser	360 × 17 × 20	2	On edge: the 20 mm side sets the gap
05	Short riser	240 × 17 × 20	2	As 04, between middle and front
06	Back bar	240 × 20 × 20	2	Stick out 20 mm each side for brackets
07	Roof	240 × 160 × 20	1	Flush at back, 40 mm over the front

Tools: Tape measure · Pencil and try square · Hand saw · Table saw or circular saw (staff) · Clamps (2) · Claw hammer · Drill-driver with 2 mm bit · Safety glasses · Dust mask · Work gloves · Ladder (staff)

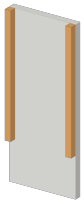
Ask a helper for: every saw cut, the long rip and the riser rips (or use 20 × 20 mm batten), and the ladder.

Design: Kent Bat Group bat box. Plan drawn by TheTimberVerse.co.uk.

Build it in six steps

Grey = already fixed · wood = this step. Tops always level. Three nails per joint.

1



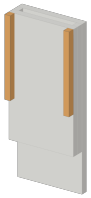
Long risers (04) on the back board (01), on edge, tops level.

2



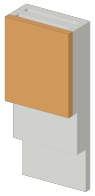
Middle board (02) on the long risers.

3



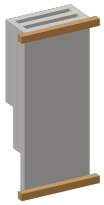
Short risers (05) on the middle board.

4



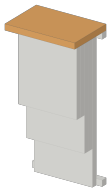
Front board (03) on top. Two 20 mm crevices.

5



Turn over. Back bars (06) at top and bottom.

6



Roof (07) flush at the back, 40 mm over the front.

Hang it high on a sheltered wall with sun for part of the day and a clear flight path. **Bats are protected by law:** once it is up, do not open it. Look for droppings below instead.

Materials for one bat house

ITEM	PER BUILD	TYPICAL PRICE	SOURCE
Rough-sawn board, 1.3 m of 240 × 20 mm	1/2 board	£17.46 (3 m length)	Gadero (tuin.co.uk)
Galvanised nails, 40 mm	36 nails	£7.29 (pack of 575)	Screwfix
Metal brackets	2 brackets	£11.69 (pack of 10)	Toolstation
Outdoor screws, 30 mm	4 screws	£9.43 (pack of 200)	Screwfix

About £11.71 per bat house

Rough guide, not a quote. UK prices checked October 2026, inc. VAT. Wide untreated boards: ask a timber merchant.