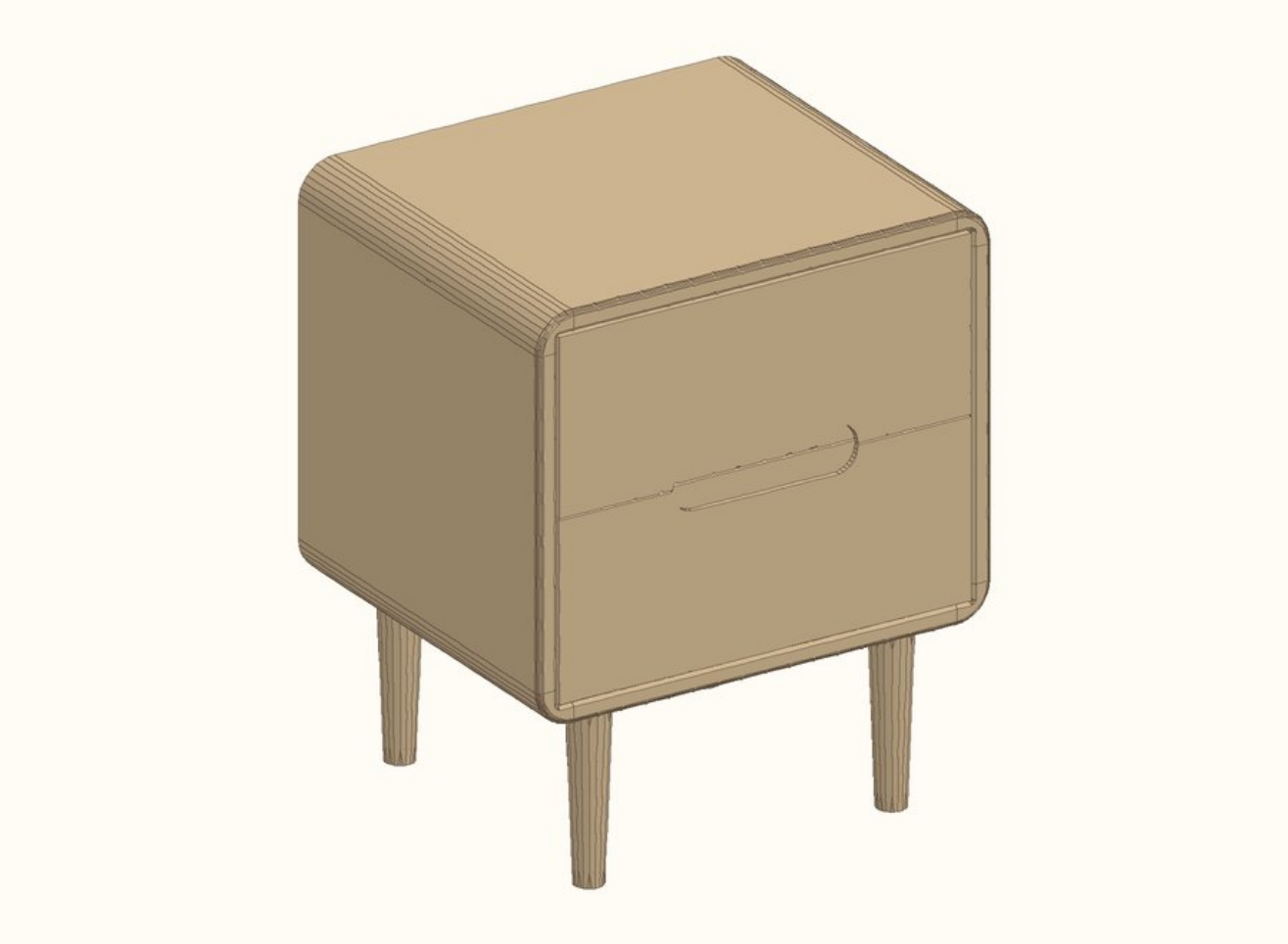
PLANS AND BUILDING INSTRUCTIONS

Nightstand

450 x 380 x 550 mm, by AI Carpenter



Overall size	450 wide x 380 deep x 550 mm high
Parts	46, every one drawn with its sizes
Steps	6, in the order to build it
Materials	12 mm oak; 19 mm oak; 35 mm oak; 40 mm round oak; 6 mm oak-veneered plywood; 6 mm plywood
Made	29 October 2026 with AI Carpenter, AICarpenter.eu

Sizes come from the design as it was made in AI Carpenter. Where it was read from a photo they are estimates: check every measurement against your own before you cut. More designs and your own: AICarpenter.eu

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What you need

Materials

- 12 mm oak: 0.36 m² of parts in 8 pieces; buy about 0.43 m² of boards, the longest 371 mm
- 19 mm oak: 0.81 m² of parts in 7 pieces; buy about 0.97 m² of boards, the longest 410 mm
- 35 mm oak: 532 cm² of parts in 4 pieces; buy about 638 cm² of board, the longest 380 mm
- 40 mm round oak: 272 cm² of parts in 4 pieces; buy about 326 cm² of board, the longest 170 mm
- 6 mm oak-veneered plywood: 0.16 m² of parts, about a quarter sheet of 1220 x 610 mm
- 6 mm plywood: 0.28 m² of parts, about a quarter sheet of 1220 x 610 mm

Hardware

- 4 x 300 mm drawer slide
- 4 x M8 hanger bolt and insert, 12 x 12 mm
- 4 x steel shelf pin, 16 x 5 mm

Supplies

- Wood glue (PVA)
- Sandpaper, P120 and P180
- A finish for bare wood: oil, hard wax or lacquer

Tools

- Tape measure, square and pencil
- A saw for straight cuts: a circular or table saw for sheets and boards
- A drill-driver
- Clamps, at least four
- Sanding block or orbital sander
- Safety glasses, ear protection and a dust mask
- A router with straight bits, or a table saw, for the housings, rebates and grooves
- A router with edge bits, for the edge profiles
- A drill and bits; a drill guide or drill press for square holes
- A block plane
- Router bits: 1-3/8 in (35 mm) radius roundover bit, fingerpull bit, guide bushing, 6 mm (1/4 in) radius roundover bit, 45 degree chamfer bit

Before you start

- Wear eye and ear protection whenever a machine runs, and a mask while sanding.
- Keep fingers and loose clothes clear of blades and bits. If a cut feels unsafe, stop and find a safer way to make it.
- Cut every part to the cut list, then mark each with its name in pencil on a face that will not show. Lengths run along the grain.
- Dry-fit each step before you glue it.

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Cut list

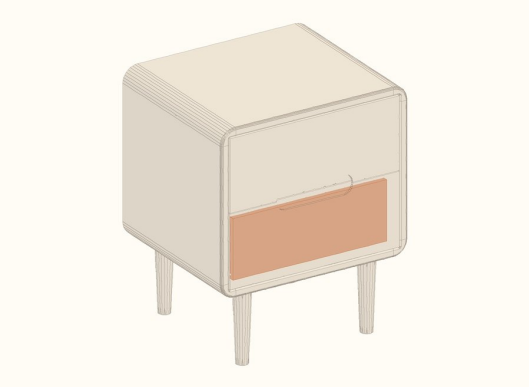
Every part to cut, finished size. Lengths run along the grain. The drawings that follow show each part's joints and holes.

Qty	Part	Material	Length x width x thickness, mm
1	box front of drawer 2	12 mm oak	371 x 137.5 x 12
1	box front of drawer 1	12 mm oak	371 x 135.5 x 12
1	back of drawer 2	12 mm oak	371 x 125.5 x 12
1	back of drawer 1	12 mm oak	371 x 123.5 x 12
2	left side, right side of drawer 2	12 mm oak	300 x 137.5 x 12
2	left side, right side of drawer 1	12 mm oak	300 x 135.5 x 12
1	shelf 1	19 mm oak	410 x 353 x 19
1	front of drawer 2	19 mm oak	408 x 169 x 19
1	front of drawer 1	19 mm oak	408 x 167 x 19
2	bottom; top	19 mm oak	380 x 380 x 19
2	left side; right side	19 mm oak	310 x 380 x 19
4	top left corner; top right corner; bottom left corner; bottom right corner	35 mm oak	380 x 35 x 35
4	front left leg; front right leg; back left leg; back right leg	40 mm round oak	170 long, 40 across
1	back	6 mm oak-veneered plywood	361 x 431 x 6
2	bottom of drawers 1-2	6 mm plywood	373 x 293 x 6
8	spline, top left corner to left side; spline, top left corner to top; spline, top right corner to right side; spline, top right corner to top; spline, bottom left corner to left side; spline, bottom left corner to bottom; spline, bottom right corner to right side; spline, bottom right corner to bottom	6 mm plywood	354 x 20 x 6

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The parts

Each part as it sits in the piece, coloured, beside what to make; below, its drawing from above and from the front, with its sizes in mm. Dashed lines are hidden edges.



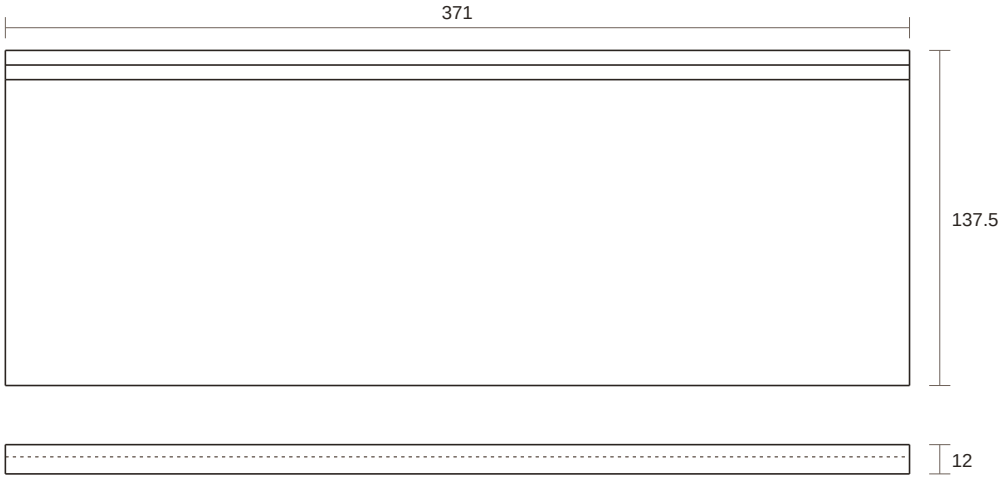
Box front of drawer 2

Make 1 from 12 mm oak

Finished size 371 x 137.5 x 12 mm, grain along the length.

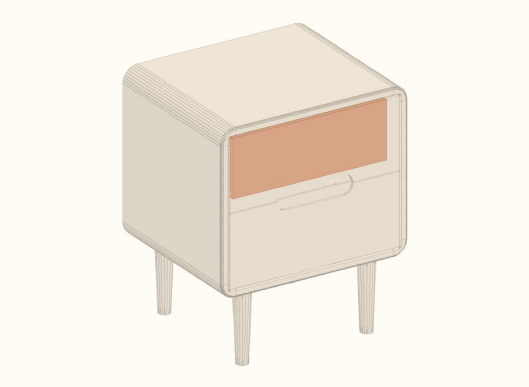
- A groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom.

Files: drawer_2_box_front.svg (drawing), drawer_2_box_front.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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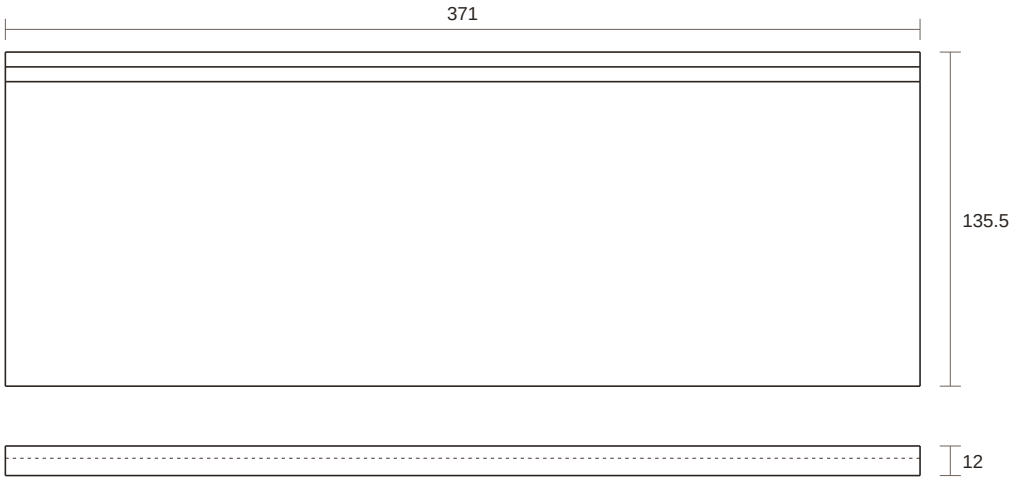
Box front of drawer 1

Make 1 from 12 mm oak

Finished size 371 x 135.5 x 12 mm, grain along the length.

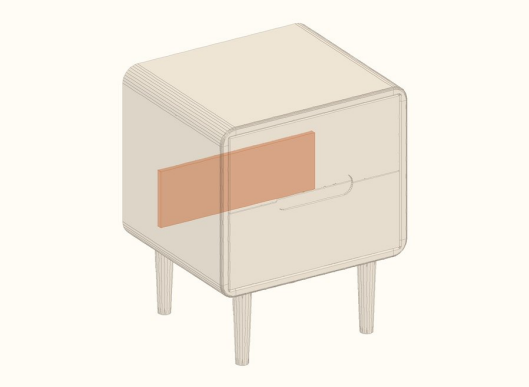
- A groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom.

Files: drawer_1_box_front.svg (drawing), drawer_1_box_front.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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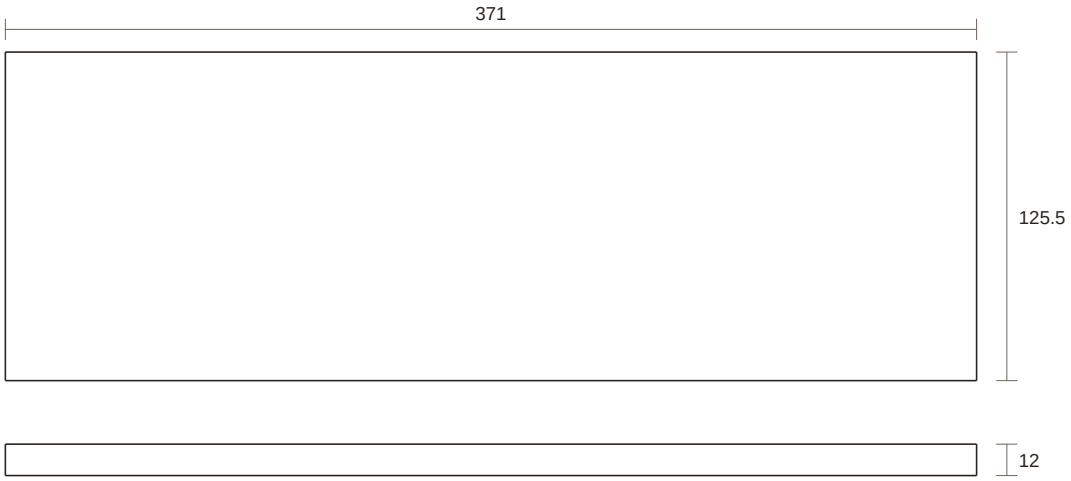


Back of drawer 2

Make 1 from 12 mm oak

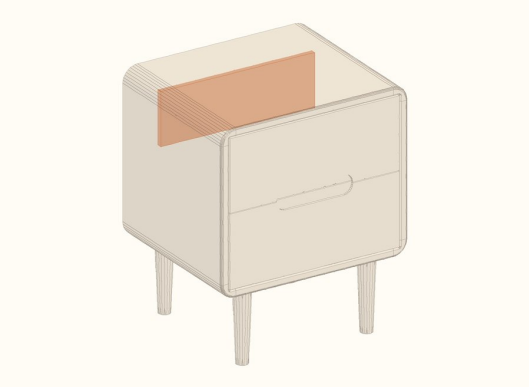
Finished size 371 x 125.5 x 12 mm, grain along the length.

Files: drawer_2_back.svg (drawing), drawer_2_back.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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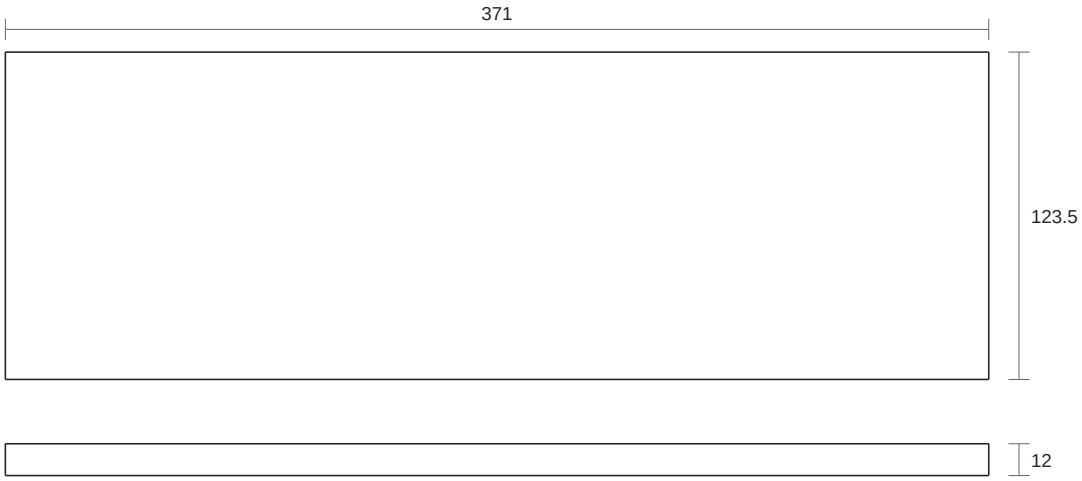


Back of drawer 1

Make 1 from 12 mm oak

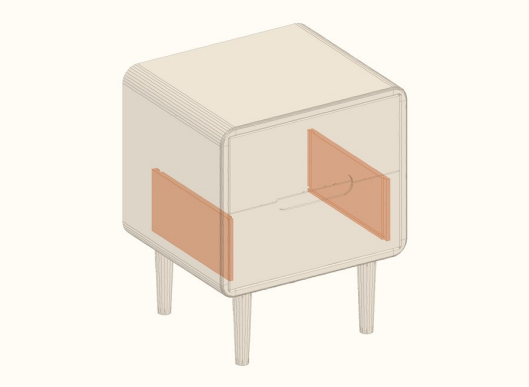
Finished size 371 x 123.5 x 12 mm, grain along the length.

Files: drawer_1_back.svg (drawing), drawer_1_back.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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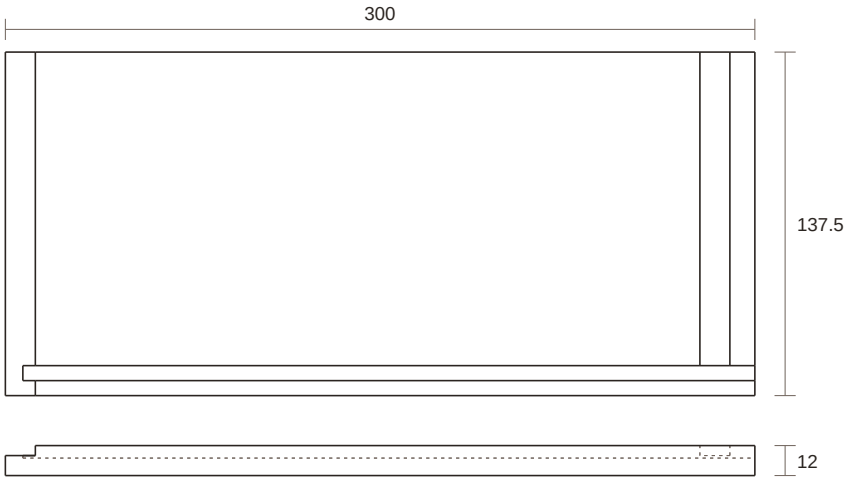
Left side, right side of drawer 2

Make 2 from 12 mm oak

Finished size 300 x 137.5 x 12 mm, grain along the length.

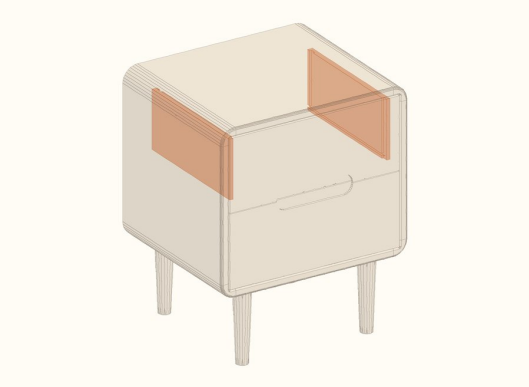
- Housings 4 mm deep for the box front and the back; a groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom, run out at the back.

Files: drawer_2_left_side.svg (drawing), drawer_2_left_side.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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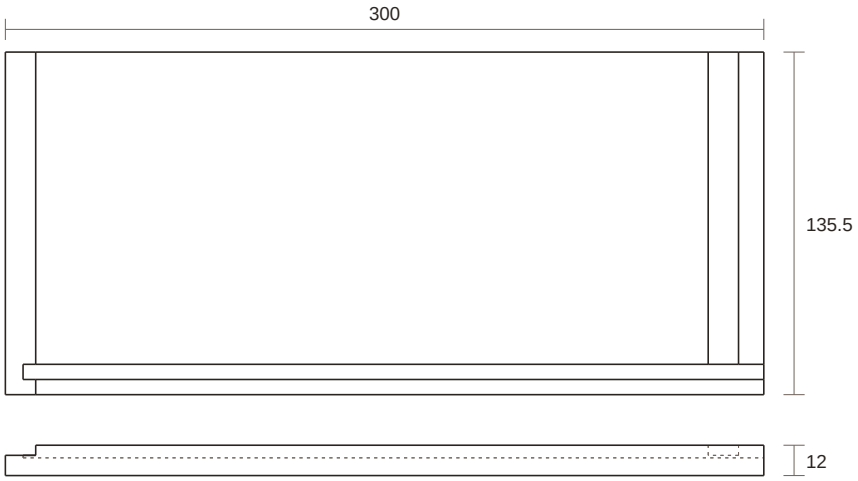
Left side, right side of drawer 1

Make 2 from 12 mm oak

Finished size 300 x 135.5 x 12 mm, grain along the length.

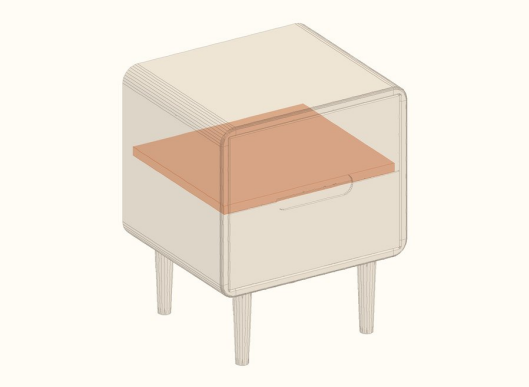
- Housings 4 mm deep for the box front and the back; a groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom, run out at the back.

Files: drawer_1_left_side.svg (drawing), drawer_1_left_side.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

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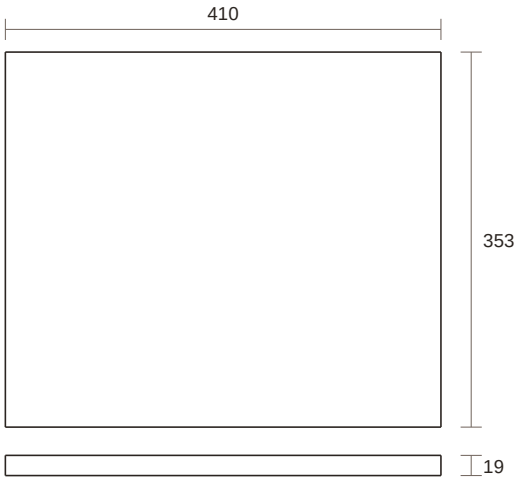
Shelf 1

Make 1 from 19 mm oak

Finished size 410 x 353 x 19 mm, grain along the length.

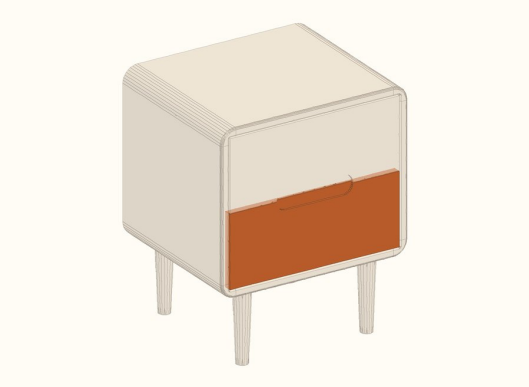
- Full depth, set 21 mm back from the case front, behind the fronts: it divides two different fronts.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: shelf_1.svg (drawing), shelf_1.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:7; sizes in mm.

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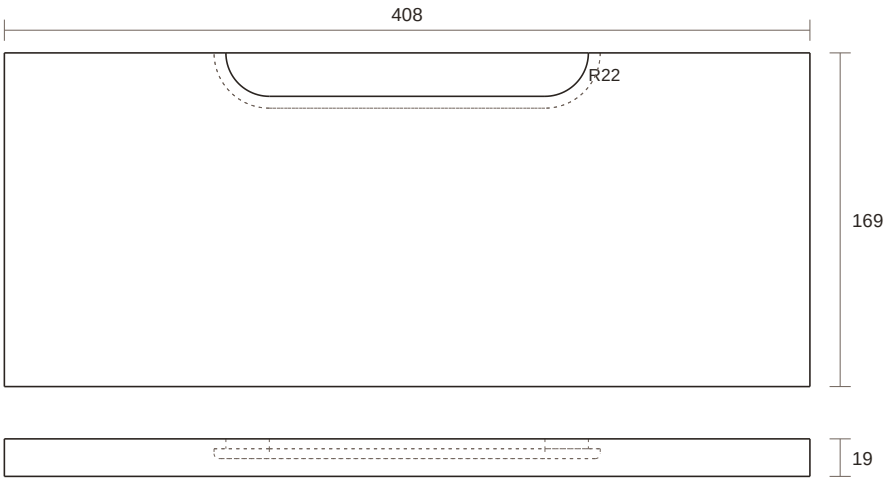
Front of drawer 2

Make 1 from 19 mm oak

Finished size 408 x 169 x 19 mm, grain along the length.

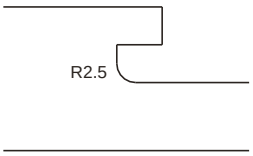
- Screw it to the box front from inside, four screws, its gaps even all round, before fitting the pull.
- Runs on a pair of 300 mm side-mount slides, screwed to the case 270 mm up (centre) and to the box sides.
- Rout a finger recess in its top edge: half of a slot 184 mm long and 44 mm across with round ends, centred on the edge, 10 mm into the face and not through, undercut 6 mm past its edge behind a 5 mm lip so fingertips hook behind the face (a fingerpull bit run round it once the pocket is cleared), its floor rounded 2.5 mm into its walls (a template and guide bushing, or the CNC), its edges eased.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: drawer_2.svg (drawing), drawer_2.dxf (CNC)

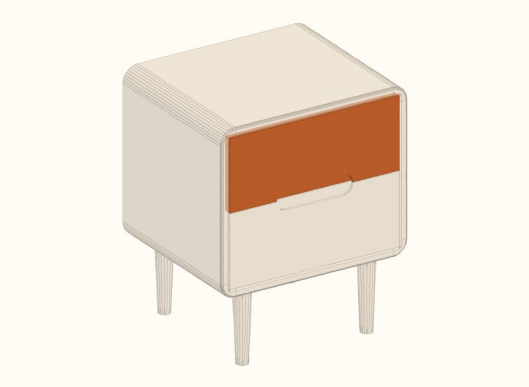


Above: from the top. Below: from the front. Scale about 1:4; sizes in mm.

Its shaped edge, through the middle, full size: R is a radius.



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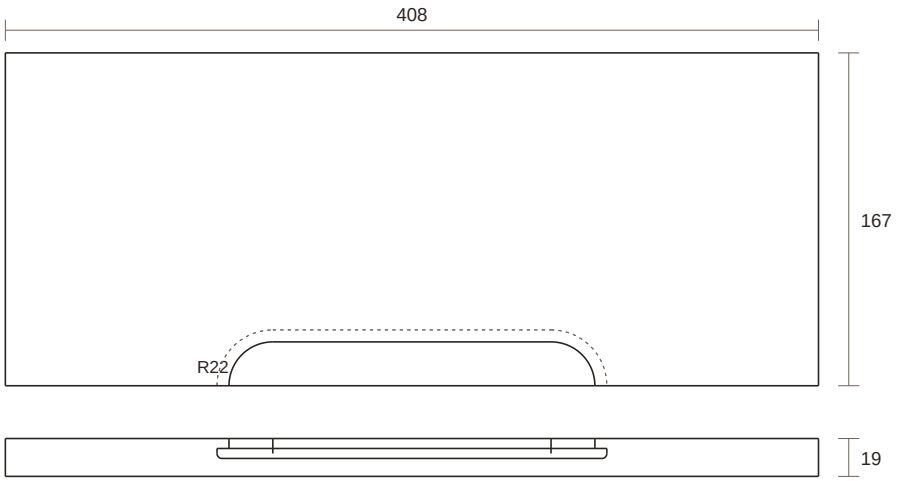
Front of drawer 1

Make 1 from 19 mm oak

Finished size 408 x 167 x 19 mm, grain along the length.

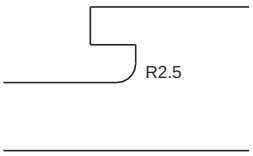
- Screw it to the box front from inside, four screws, its gaps even all round, before fitting the pull.
- Runs on a pair of 300 mm side-mount slides, screwed to the case 450 mm up (centre) and to the box sides.
- Rout a finger recess in its bottom edge: half of a slot 184 mm long and 44 mm across with round ends, centred on the edge, 10 mm into the face and not through, undercut 6 mm past its edge behind a 5 mm lip so fingertips hook behind the face (a fingerpull bit run round it once the pocket is cleared), its floor rounded 2.5 mm into its walls (a template and guide bushing, or the CNC), its edges eased.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: drawer_1.svg (drawing), drawer_1.dxf (CNC)

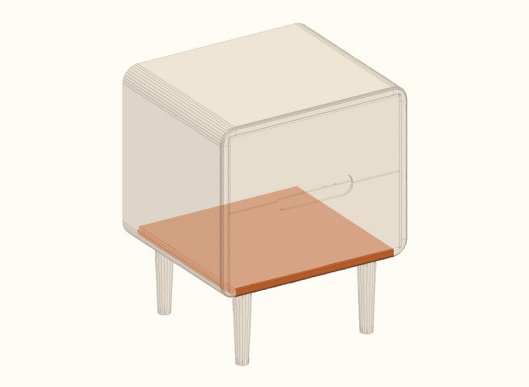


Above: from the top. Below: from the front. Scale about 1:4; sizes in mm.

Its shaped edge, through the middle, full size: R is a radius.



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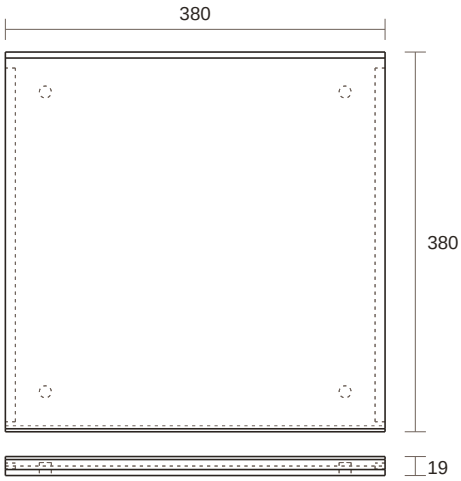
Bottom

Make 1 from 19 mm oak

Finished size 380 x 380 x 19 mm, grain along the length.

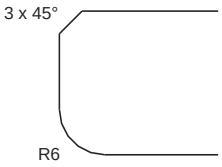
- Grooved 10 mm deep in each end for the splines to the corners.
- Its front edges rounded 6 mm outside and chamfered 3 mm inside with the case together, a bearing-guided bit run round the whole border.
- 4 threaded inserts set into its underside for the legs.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: bottom.svg (drawing), bottom.dxf (CNC)

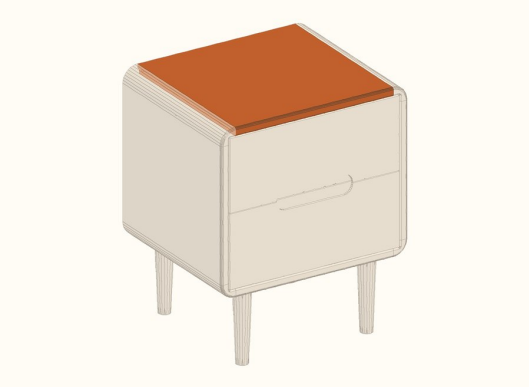


Above: from the top. Below: from the front. Scale about 1:8; sizes in mm.

Its shaped edge, through the middle, full size: R is a radius.



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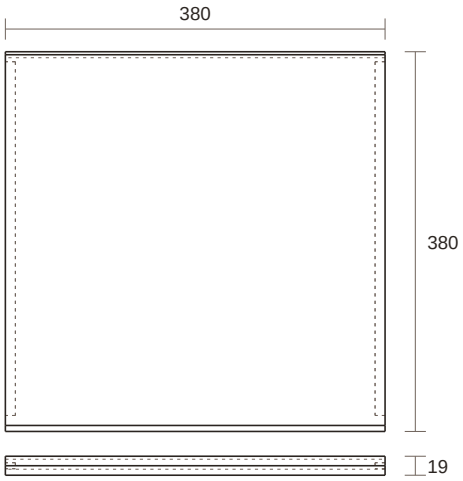
Top

Make 1 from 19 mm oak

Finished size 380 x 380 x 19 mm, grain along the length.

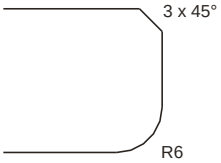
- Grooved 10 mm deep in each end for the splines to the corners.
- Its front edges rounded 6 mm outside and chamfered 3 mm inside with the case together, a bearing-guided bit run round the whole border.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: top.svg (drawing), top.dxf (CNC)

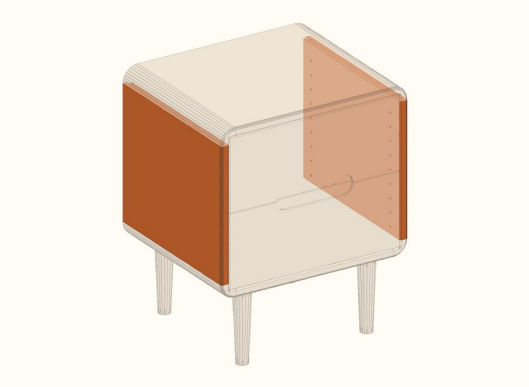


Above: from the top. Below: from the front. Scale about 1:8; sizes in mm.

Its shaped edge, through the middle, full size: R is a radius.



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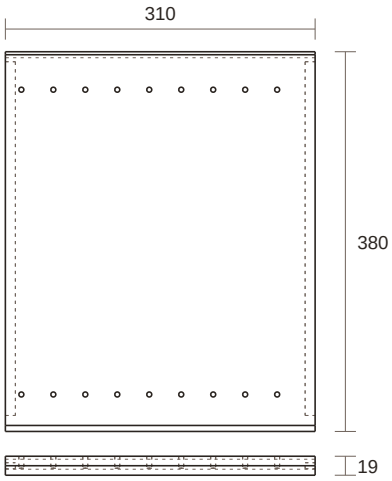
Left side; right side

Make 2 from 19 mm oak

Finished size 310 x 380 x 19 mm, grain along the length.

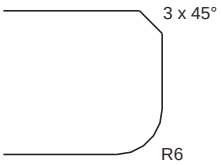
- Grooved 10 mm deep in each end for the splines to the corners.
- Its front edges rounded 6 mm outside and chamfered 3 mm inside with the case together, a bearing-guided bit run round the whole border.
- Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

Files: left_side.svg (drawing), left_side.dxf (CNC)

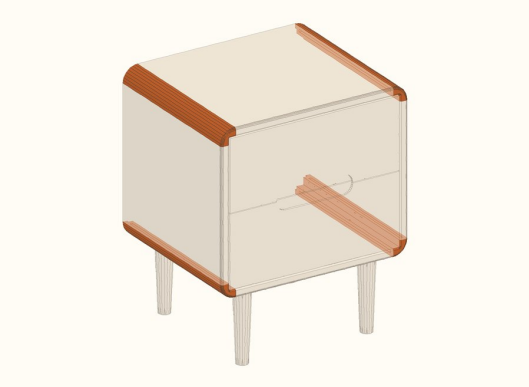


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Its shaped edge, through the middle, full size: R is a radius.



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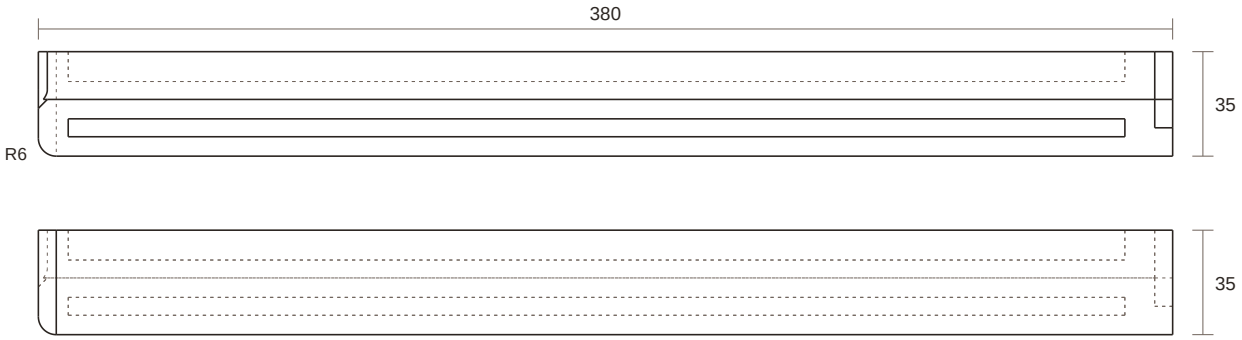
Top left corner; top right corner; bottom left corner; bottom right corner

Make 4 from 35 mm oak

Finished size 380 x 35 x 35 mm, grain along the length.

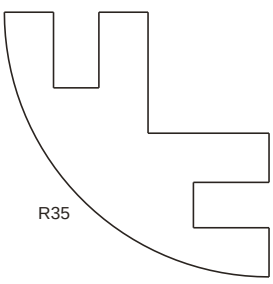
- A solid block of oak, 35 x 35 mm and 380 mm long, its grain front to back, so its round runs along the grain and its end grain shows at the front.
- While it is square, saw out its inside corner, 16 x 16 mm, in two cuts on the table saw (or rebate it on the router table): its two inner faces, 19 mm in from its outer faces, run on flush with the boards' inner faces, so the opening keeps square corners. Its section is drawn full size here: trace it onto both ends.
- Round its outside to 35 mm with a 1-3/8 in (35 mm) radius roundover bit: before gluing, on a router table, no faster than 10,000 rpm, against the fence, a chamfer sawn off first so the bit takes a light last cut; or once it is glued in, by hand: plane a chamfer tangent to the curve drawn on its ends, plane off that chamfer's corners, then take light passes along it and sand, checking it against a card template.
- Glue it to the boards' ends, the splines lining it up, and sand it flush once the glue has set: the round runs on with the boards' faces. It replaces a mitre and puts solid wood on the corner, where it takes the knocks, and the round never crosses a glue line.
- Its front edges rounded 6 mm outside and chamfered 3 mm inside with the case together, a bearing-guided bit run round the whole border.

Files: top_left_corner.svg (drawing), top_left_corner.dxf (CNC)

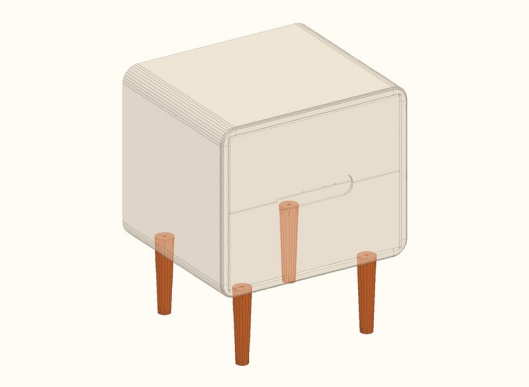


Above: from the top. Below: from the front. Scale about 1:3; sizes in mm.

Section through the middle, full size: R is a radius.



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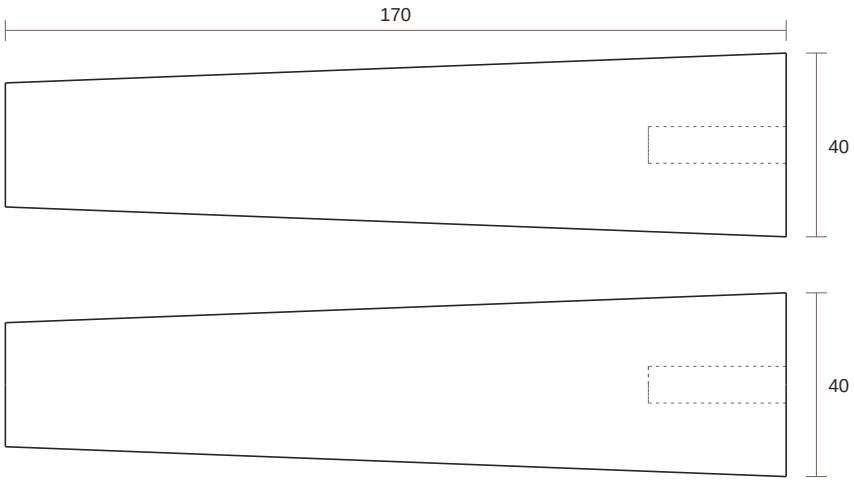
Front left leg; front right leg; back left leg; back right leg

Make 4 from 40 mm round oak

Finished size 170 x 40 x 40 mm, grain along the length.

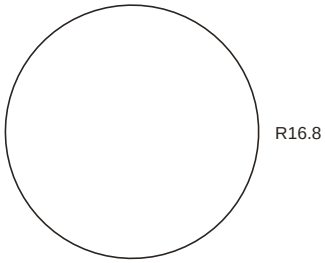
- Its top cut square to it and bored 6.4 mm, 30 mm deep, on its centre line for the hanger bolt.
- Taper evenly from 40 mm under the shoulder to 27 mm.

Files: front_left_leg.svg (drawing), front_left_leg.dxf (CNC)

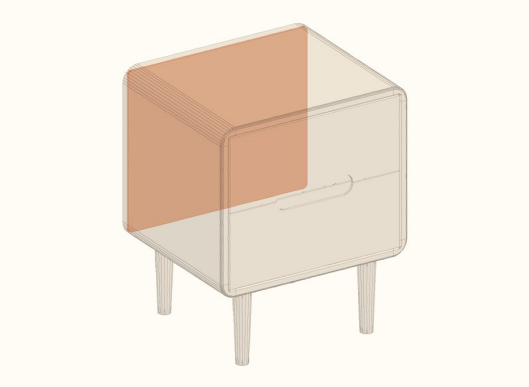


Above: from the top. Below: from the front. Scale about 1:2; sizes in mm.

Section through the middle, full size: R is a radius.



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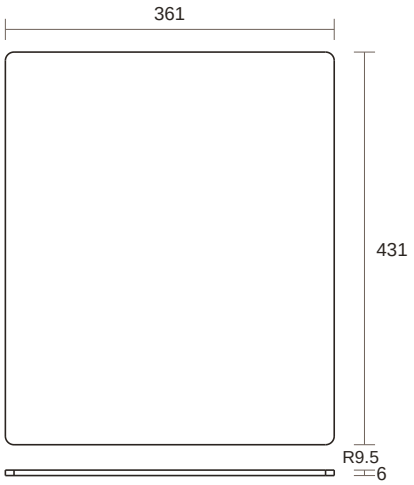
Back

Make 1 from 6 mm oak-veneered plywood

Finished size 361 x 431 x 6 mm, grain along the length.

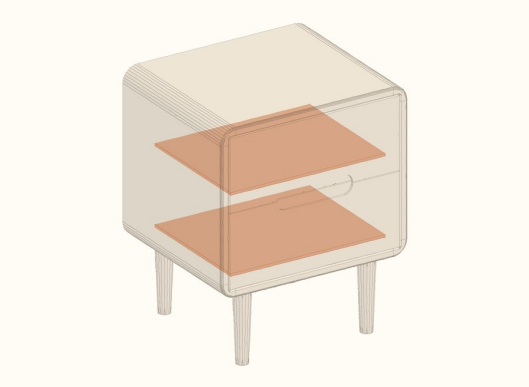
- In a rebate 9.5 mm wide round the inside of the case, its corners rounded to 9.5 mm, the round the rebate bit leaves in the corner blocks, so they stay inside the blocks' round outside.

Files: back.svg (drawing), back.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:8; sizes in mm.

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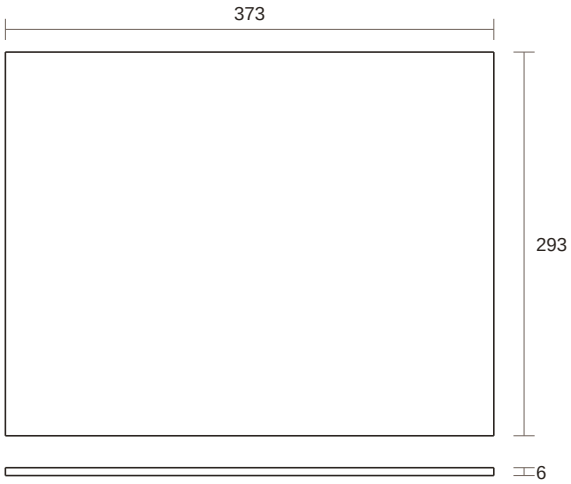
Bottom of drawers 1-2

Make 2 from 6 mm plywood

Finished size 373 x 293 x 6 mm, grain along the length.

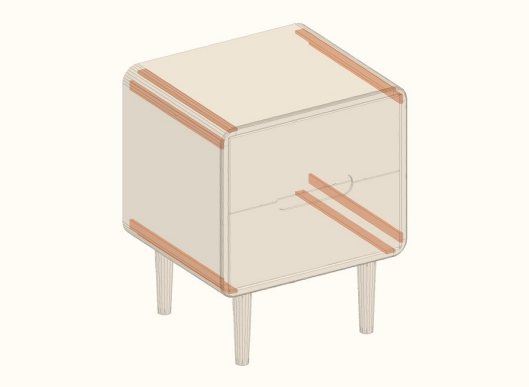
- Slides in from the back under the back, and is screwed up into the back only.

Files: drawer_1_bottom.svg (drawing), drawer_1_bottom.dxf (CNC)



Above: from the top. Below: from the front. Scale about 1:6; sizes in mm.

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Spline, top left corner to left side; spline, top left corner to top; spline, top right corner to right side; spline, top right corner to top; spline, bottom left corner to left side; spline, bottom left corner to bottom; spline, bottom right corner to right side; spline, bottom right corner to bottom

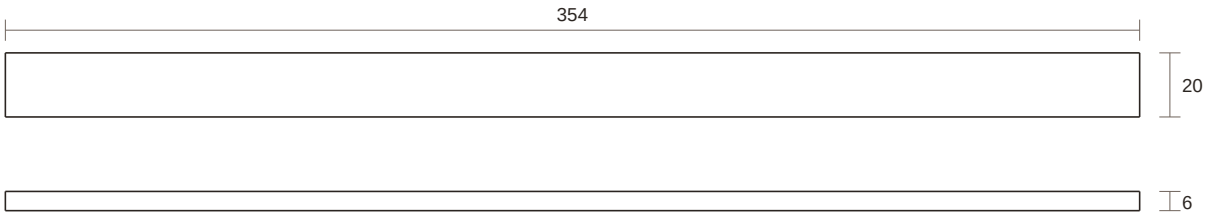
Make 8 from 6 mm plywood

Finished size 354 x 20 x 6 mm, grain along the length.

- A loose tongue that lines up the left side and the top left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the left side and one in the end of the top left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- A loose tongue that lines up the top and the top left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the top and one in the end of the top left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- A loose tongue that lines up the right side and the top right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the right side and one in the end of the top right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- A loose tongue that lines up the top and the top right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the top and one in the end of the top right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- A loose tongue that lines up the left side and the bottom left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the left side and one in the end of the bottom left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- A loose tongue that lines up the bottom and the bottom left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the bottom and one in the end of the bottom left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.

Files: spline_top_left_corner_to_left_side.svg (drawing), spline_top_left_corner_to_left_side.dxf (CNC)

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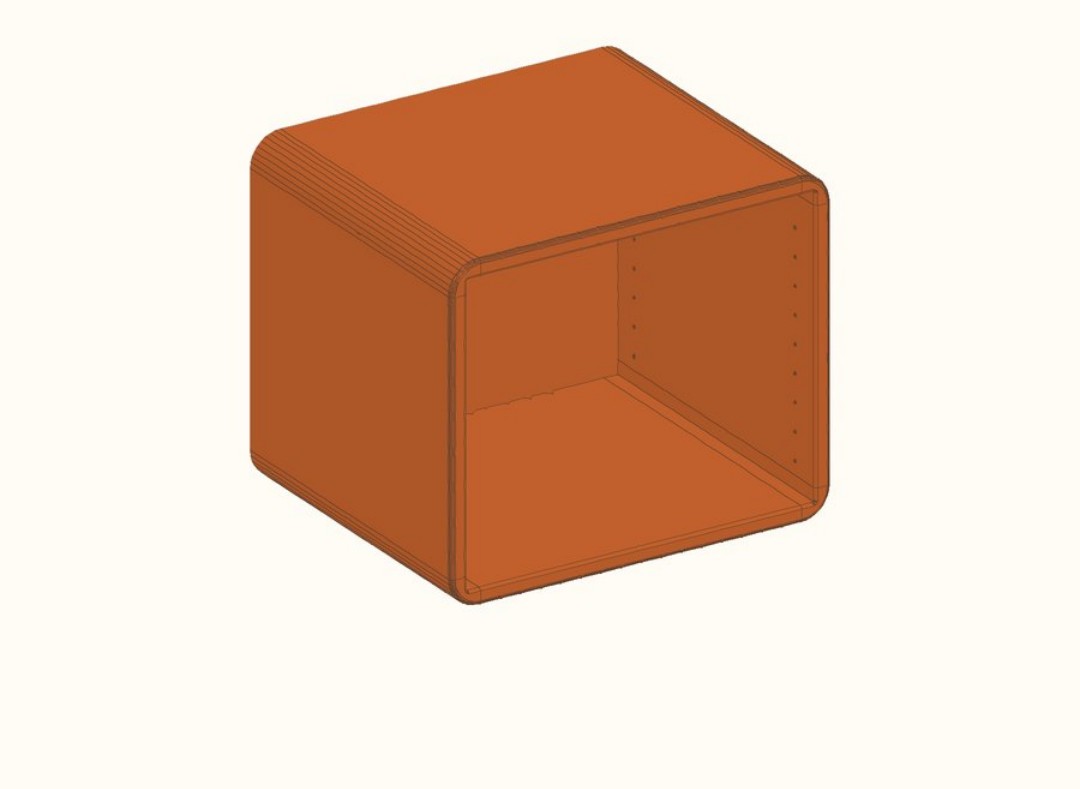


Above: from the top. Below: from the front. Scale about 1:2; sizes in mm.

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Build it

Step 1 · Put together 4 corners, the bottom, the spline, bottom left corner to bottom, the spline, bottom right corner to bottom, the back and 8 more



Dry-fit these parts first, then join them as each part's notes say. Before the glue sets, measure both diagonals: when they match, it is square.

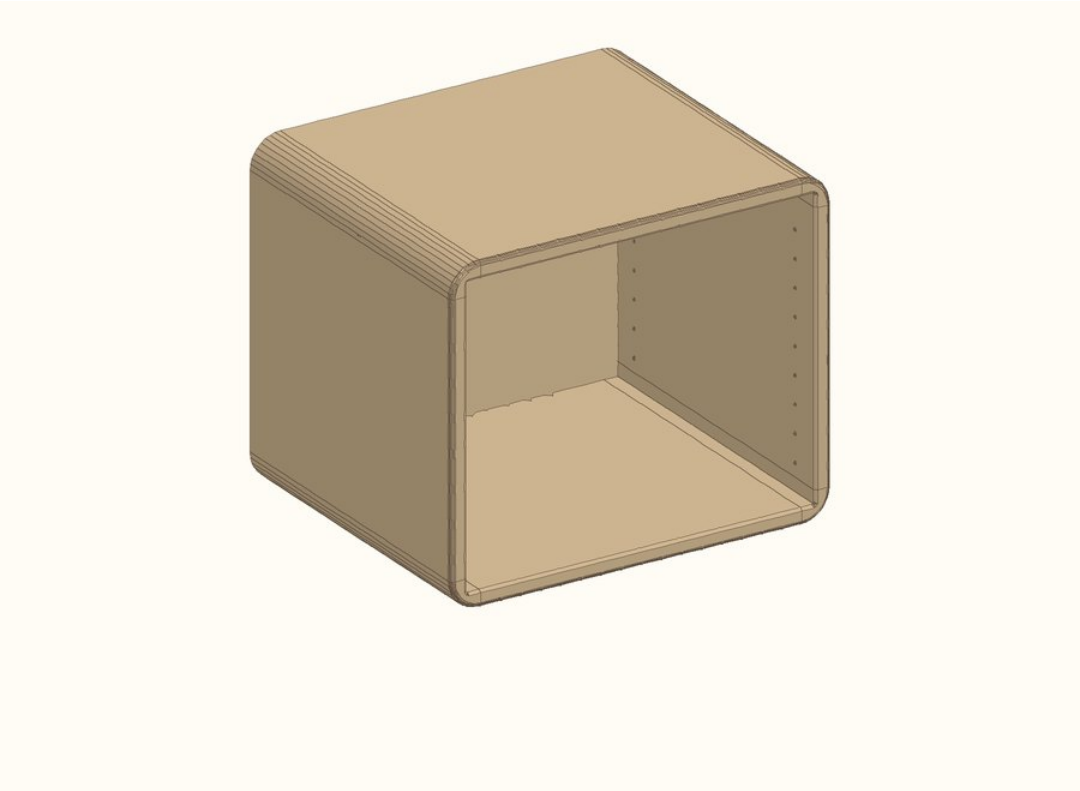
- **4 corners**: A solid block of oak, 35 x 35 mm and 380 mm long, its grain front to back, so its round runs along the grain and its end grain shows at the front. While it is square, saw out its inside corner, 16 x 16 mm, in two cuts on the table saw (or rebate it on the router table): its two inner faces, 19 mm in from its outer faces, run on flush with the boards' inner faces, so the opening keeps square corners. Its section is drawn full size here: trace it onto both ends. Round its outside to 35 mm with a 1-3/8 in (35 mm) radius roundover bit: before gluing, on a router table, no faster than 10,000 rpm, against the fence, a chamfer sawn off first so the bit takes a light last cut; or once it is glued in, by hand: plane a chamfer tangent to the curve drawn on its ends, plane off that chamfer's corners, then take light passes along it and sand, checking it against a card template. Glue it to the boards' ends, the splines lining it up, and sand it flush once the glue has set: the round runs on with the boards' faces. It replaces a mitre and puts solid wood on the corner, where it takes the knocks, and the round never crosses a glue line.
- **Bottom**: Grooved 10 mm deep in each end for the splines to the corners. 4 threaded inserts set into its underside for the legs. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.
- **Spline, bottom left corner to bottom**: A loose tongue that lines up the bottom and the bottom left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the bottom and one in the end of the bottom left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **Spline, bottom right corner to bottom**: A loose tongue that lines up the bottom and the bottom right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the bottom and one in the end of the bottom right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.

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- **Back**: In a rebate 9.5 mm wide round the inside of the case, its corners rounded to 9.5 mm, the round the rebate bit leaves in the corner blocks, so they stay inside the blocks' round outside.
- **Spline, bottom left corner to left side**: A loose tongue that lines up the left side and the bottom left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the left side and one in the end of the bottom left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **Spline, bottom right corner to right side**: A loose tongue that lines up the right side and the bottom right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the right side and one in the end of the bottom right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **2 sides**: Grooved 10 mm deep in each end for the splines to the corners. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.
- **Spline, top left corner to left side**: A loose tongue that lines up the left side and the top left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the left side and one in the end of the top left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **Spline, top right corner to right side**: A loose tongue that lines up the right side and the top right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the right side and one in the end of the top right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **Top**: Grooved 10 mm deep in each end for the splines to the corners. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.
- **Spline, top left corner to top**: A loose tongue that lines up the top and the top left corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the top and one in the end of the top left corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.
- **Spline, top right corner to top**: A loose tongue that lines up the top and the top right corner and strengthens their glued joint. It fits two matching grooves 6 mm wide and 10 mm deep, one in the end of the top and one in the end of the top right corner, each stopped 10 mm short of the front, so it never shows, and short of the back's rebate. Glue it into both as the joint is glued.

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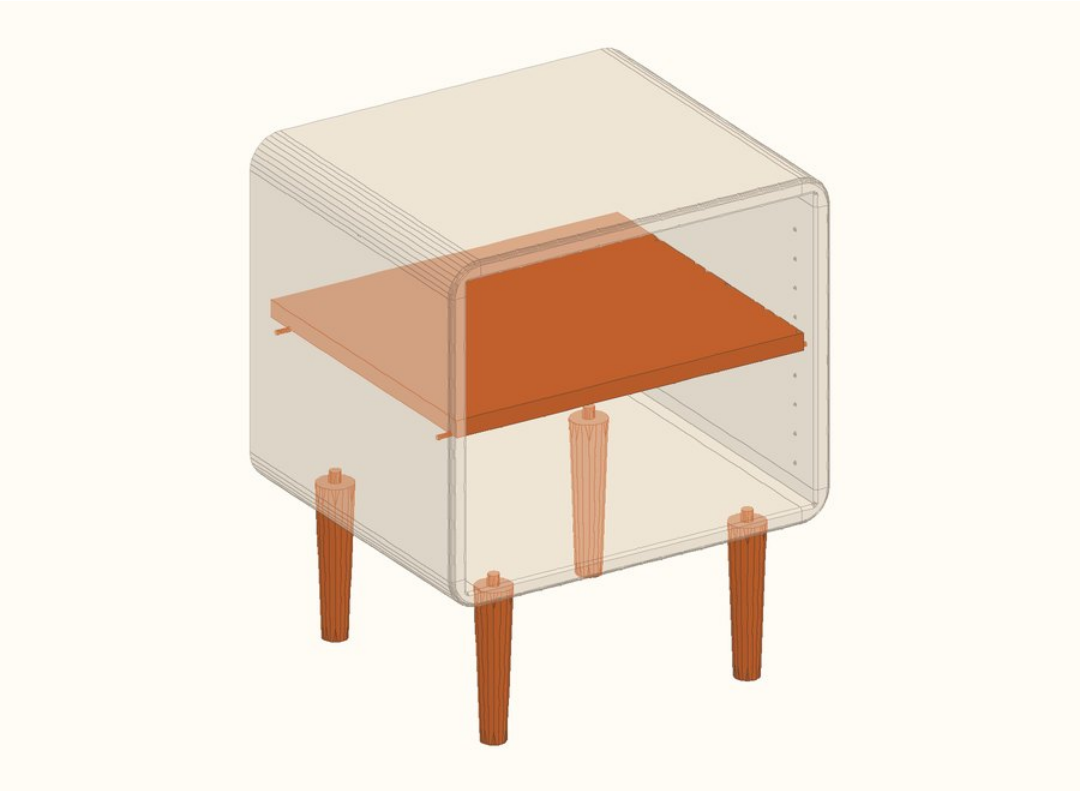
Step 2 · Rout the front edges



Once the glue has set, rout the front border, its edges rounded 6 mm outside and chamfered 3 mm inside all the way round: a 6 mm (1/4 in) radius roundover bit for the outside and a 45 degree chamfer bit set 3 mm deep for the opening's edge, each on its usual 12.7 mm (1/2 in) bearing, which runs on the case's faces and follows the curved corners. Feed against the bit's turn: round the outside anticlockwise and round the opening clockwise, seen from the front, so the bit pulls into the wood. Rout across the end grain first, the corners' ends, then the long grain between them, so any splinter at a corner is cut away. Take each edge in two passes, the second a light one, at a steady pace that does not burn the oak. Where the bearing cannot reach into a square inside corner it leaves a round: pare it to the line with a chisel, or leave it.

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Step 3 · Fit 4 legs and the shelf

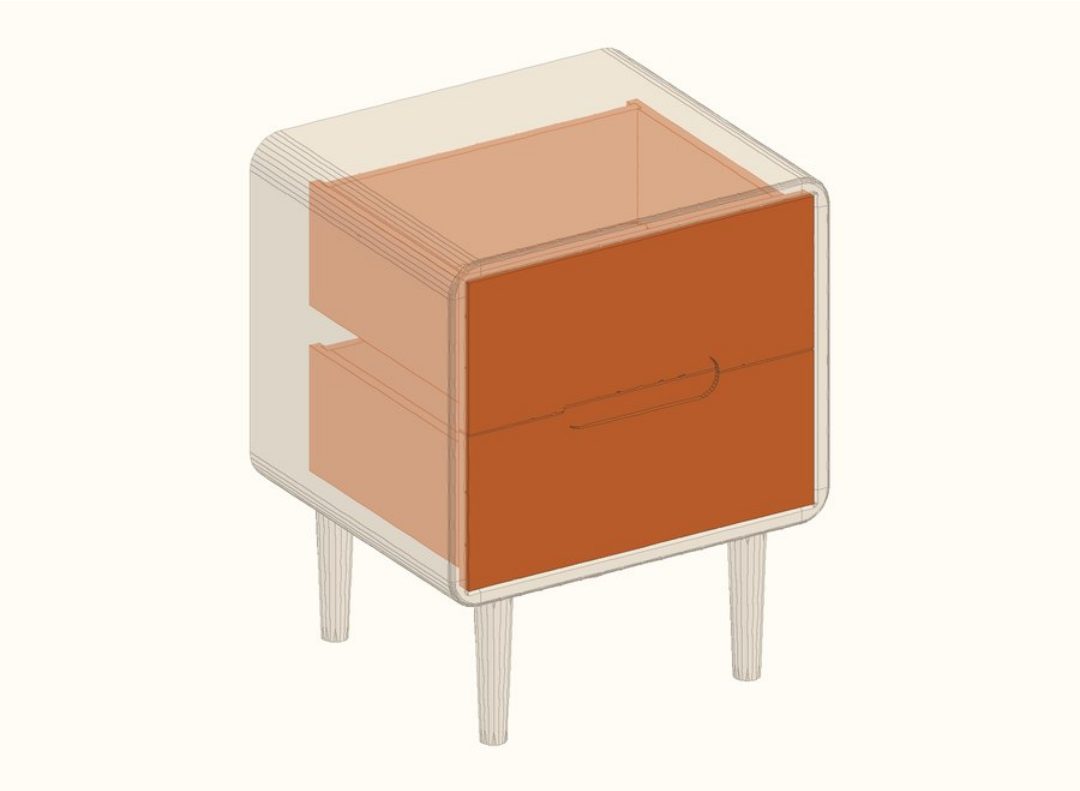


These parts go on or in once the frame they sit on is together.

- **4 legs**: Its top cut square to it and bored 6.4 mm, 30 mm deep, on its centre line for the hanger bolt. Taper evenly from 40 mm under the shoulder to 27 mm.
- **Shelf 1**: Full depth, set 21 mm back from the case front, behind the fronts: it divides two different fronts. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.
- **Hardware:** 4 x M8 hanger bolt and insert, 4 x steel shelf pin

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Step 4 · Make the drawers

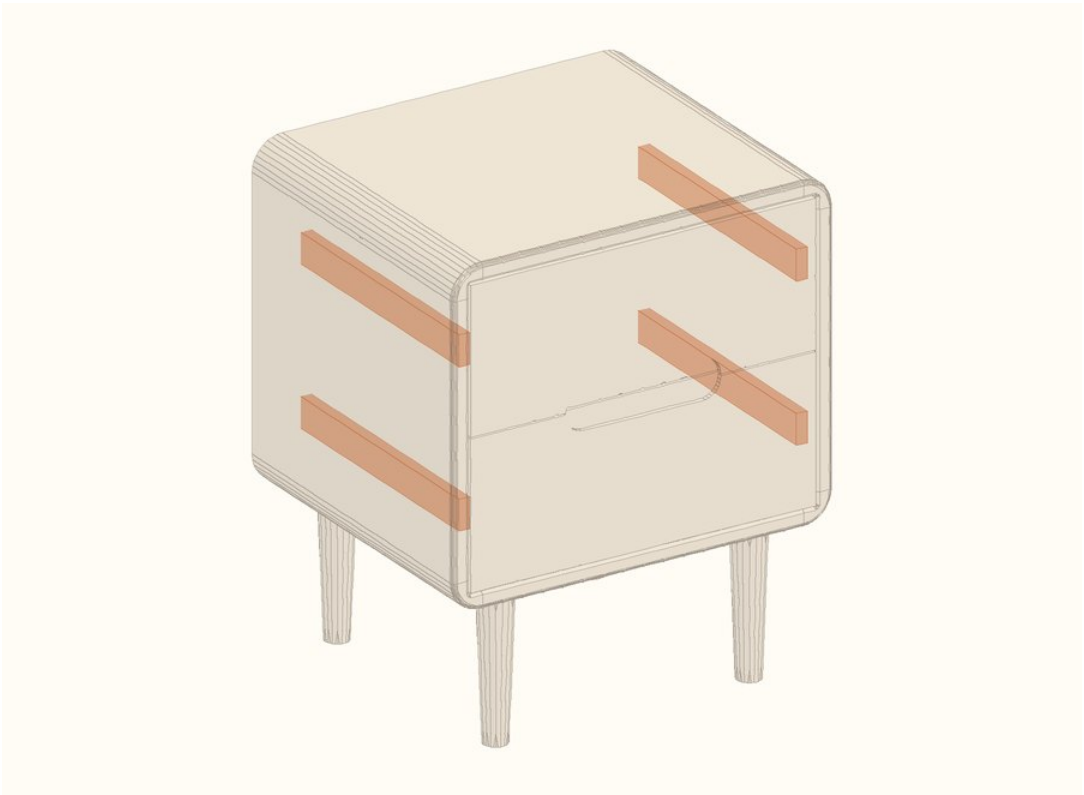


Make each drawer on its own, square, and check it slides into its opening before you make the next.

- **Drawer 1**: Screw it to the box front from inside, four screws, its gaps even all round, before fitting the pull. Runs on a pair of 300 mm side-mount slides, screwed to the case 450 mm up (centre) and to the box sides. Rout a finger recess in its bottom edge: half of a slot 184 mm long and 44 mm across with round ends, centred on the edge, 10 mm into the face and not through, undercut 6 mm past its edge behind a 5 mm lip so fingertips hook behind the face (a fingerpull bit run round it once the pocket is cleared), its floor rounded 2.5 mm into its walls (a template and guide bushing, or the CNC), its edges eased. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.
- **4 sides**: Housings 4 mm deep for the box front and the back; a groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom, run out at the back.
- **2 box fronts**: A groove 6 mm wide and 5 mm deep, 6 mm up, for the bottom.
- **2 backs**
- **2 bottoms**: Slides in from the back under the back, and is screwed up into the back only.
- **Drawer 2**: Screw it to the box front from inside, four screws, its gaps even all round, before fitting the pull. Runs on a pair of 300 mm side-mount slides, screwed to the case 270 mm up (centre) and to the box sides. Rout a finger recess in its top edge: half of a slot 184 mm long and 44 mm across with round ends, centred on the edge, 10 mm into the face and not through, undercut 6 mm past its edge behind a 5 mm lip so fingertips hook behind the face (a fingerpull bit run round it once the pocket is cleared), its floor rounded 2.5 mm into its walls (a template and guide bushing, or the CNC), its edges eased. Glued up from boards 100 to 150 mm wide, their growth rings alternating, then planed flat: its grain along its length.

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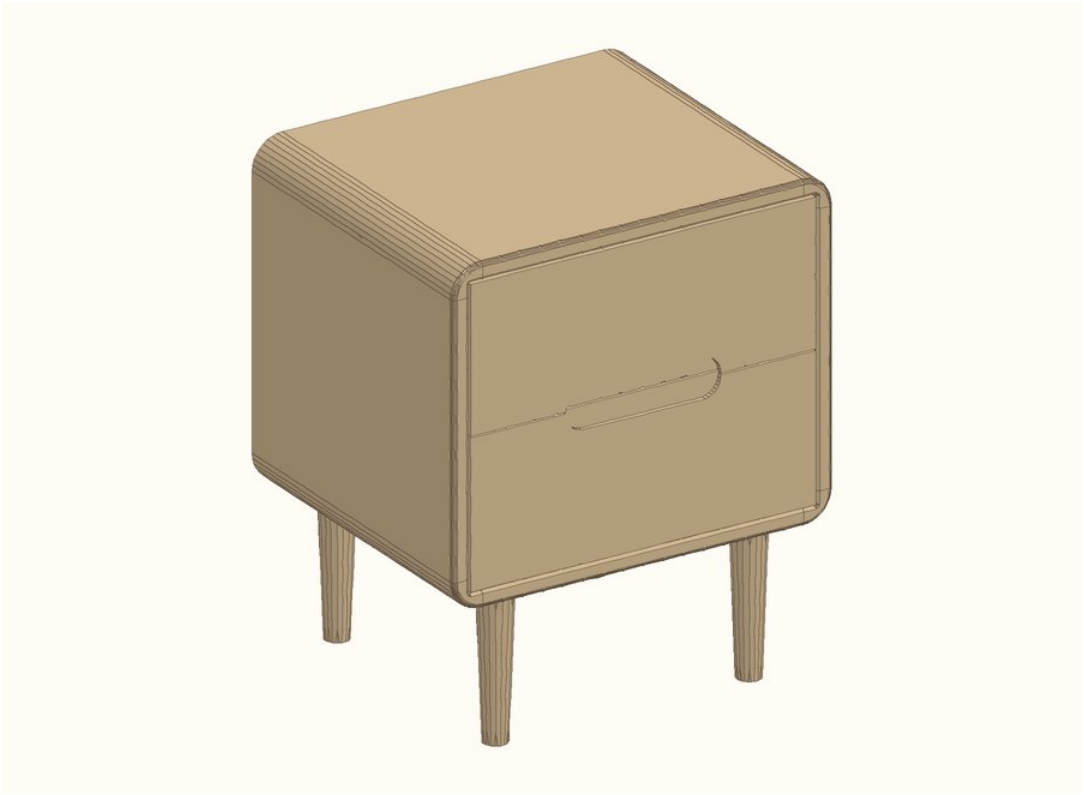
Step 5 · Fit the drawers and the hardware



Fit each item where its notes say, then adjust the hinges and runners until every gap round the fronts is even.

- **Hardware:** 4 x 300 mm drawer slide

Step 6 · Finish



Sand every part to P180, easing the sharp edges, and finish it as you like: oil, hard wax or lacquer on bare wood.

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