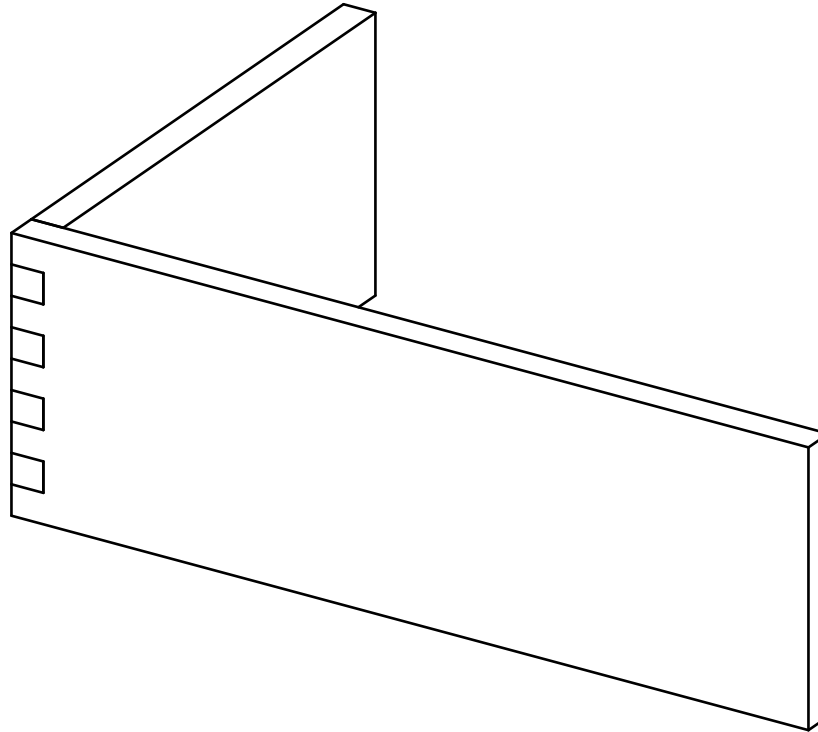


Box joint corner



parts	2
overall	300 x 200 x 100 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

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1 front	5
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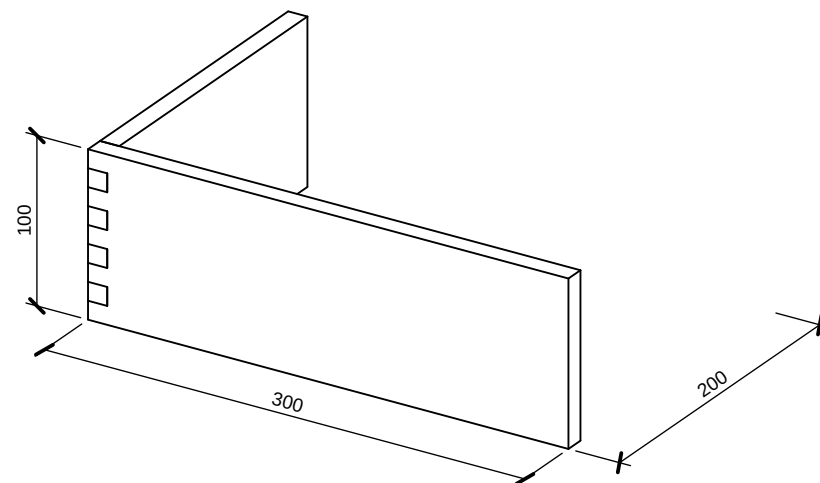
TOP



FRONT

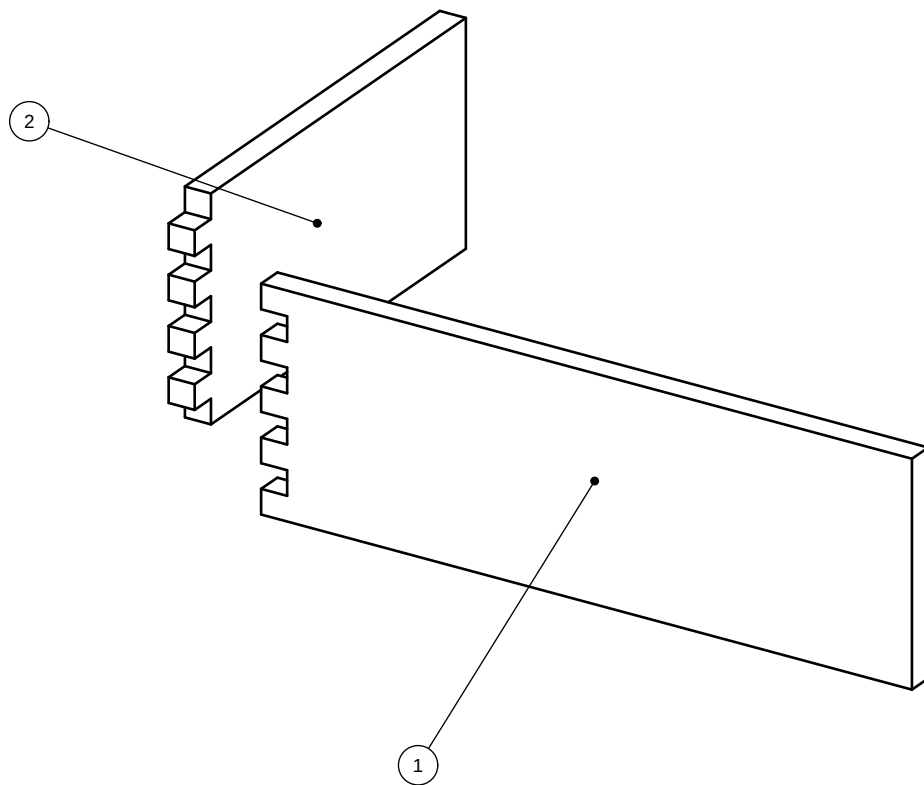


RIGHT SIDE



ISOMETRIC

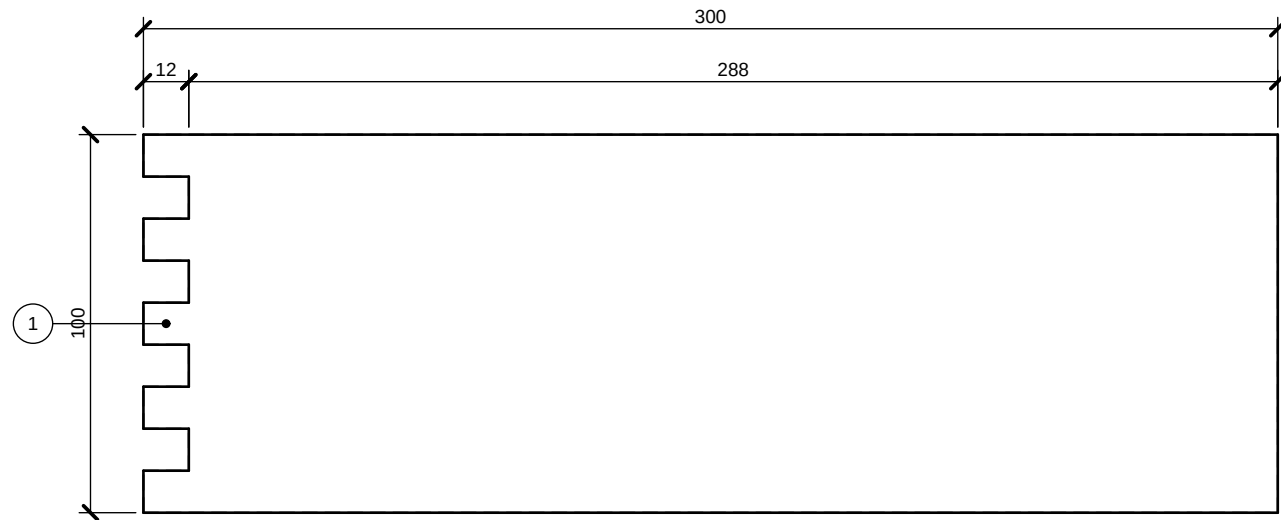
assembly	box_joint_corner
parts	2
overall	300 x 200 x 100 (W x D x H)
material	oak
scale	1:4, mm



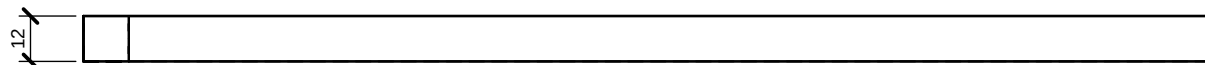
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	front	1	300 x 100 x 12	oak
2	side	1	200 x 100 x 12	oak

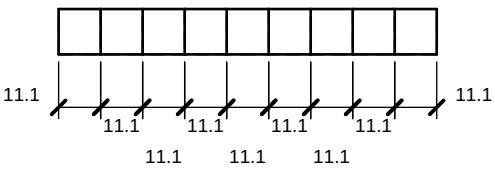
assembly	box_joint_corner
parts	2
overall	300 x 200 x 100 (W x D x H)
material	oak
scale	not to scale, mm



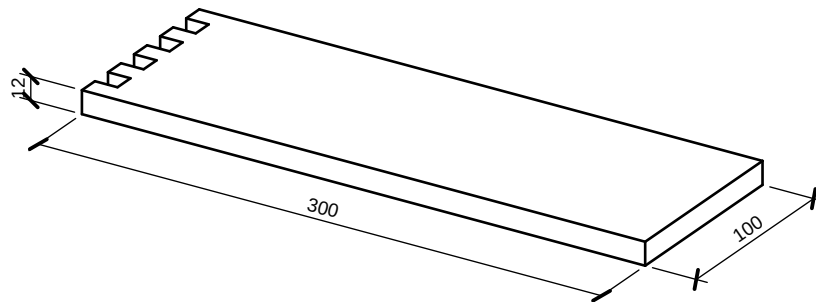
TOP FACE



FRONT EDGE



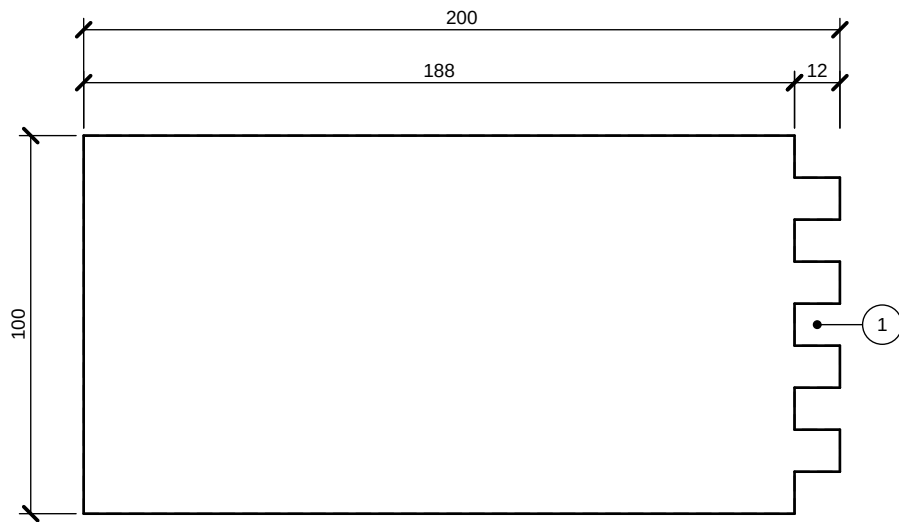
LEFT END



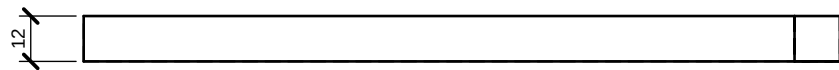
ISOMETRIC

part	front
of	box_joint_corner
make	1
cut size	300 x 100 x 12
material	oak
scale	1:2, mm

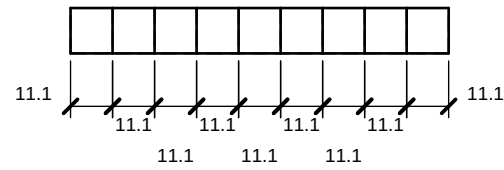
1 box joint, 5 fingers 11.1 mm wide, 12 long



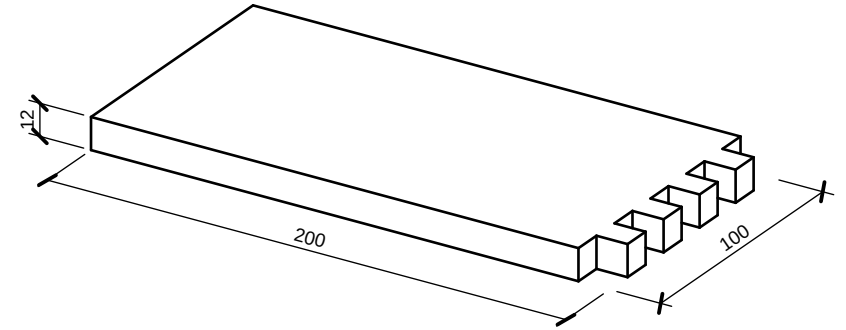
TOP FACE



FRONT EDGE



RIGHT END



ISOMETRIC

1 box joint, 4 fingers 11.1 mm wide, 12 long

part	side
of	box_joint_corner
make	1
cut size	200 x 100 x 12
material	oak
scale	1:2, mm

Cut list

front 300 x 100 x 12 mm oak
- box joint, 5 fingers 11.1 mm wide, 12 long
side 200 x 100 x 12 mm oak
- box joint, 4 fingers 11.1 mm wide, 12 long

Appendix: source

Made with woodwright 0.9.0, build123d 0.13.0, Python 3.14.4.

To make these plans again:

```
uvx --python 3.14 woodwright==0.9.0 export joints.box_joint_corner
```

joints.box_joint_corner, in woodwright/examples/joints.py

```
def box_joint_corner(
    front_length: float = 300,
    side_length: float = 200,
    height: float = 100,
    stock: Stock = SIDE_OAK,
) -> Assembly:
    """The corner of a box with a box (finger) joint: square fingers on both ends.

    The fingers come out close to the stock's thickness, nine of them, the
    front's at the top and the bottom edges. The lengths are outside
    dimensions: the boards reach through each other.
    """
    asm = Assembly("box_joint_corner", root_location=BOX_FRONT)
    t = stock.thickness
    front = asm.add(Board("front", stock, length=front_length - t, width=height))
    side = asm.add(Board("side", stock, length=side_length - t, width=height))
    asm.join(BoxJoint(front.left_end, side.right_end))
    return asm
```