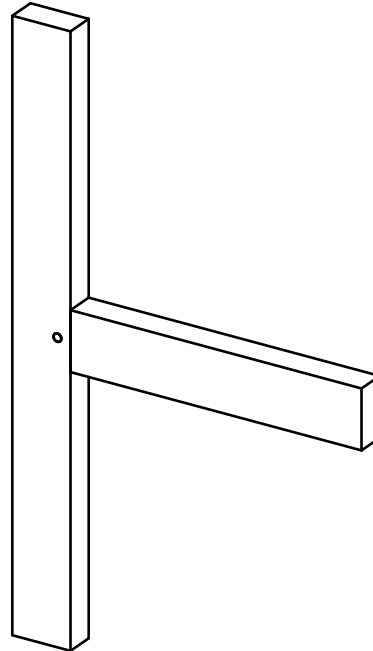


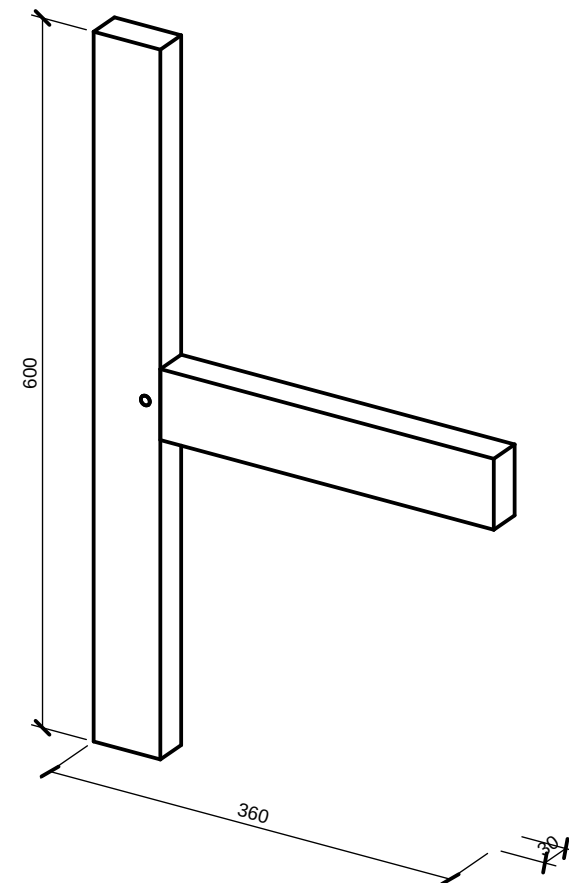
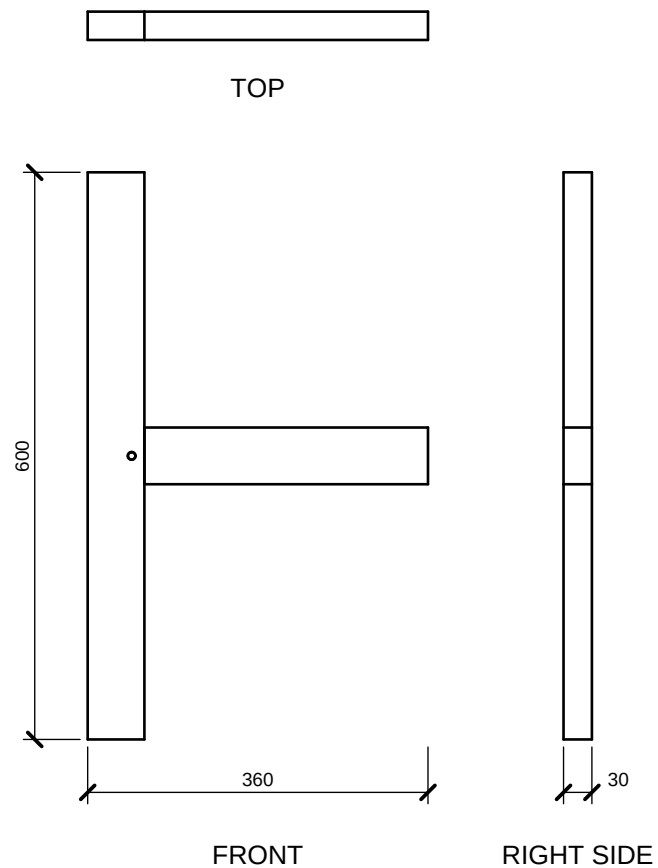
Drawbored mortise tenon



parts	3
overall	360 x 30 x 600 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

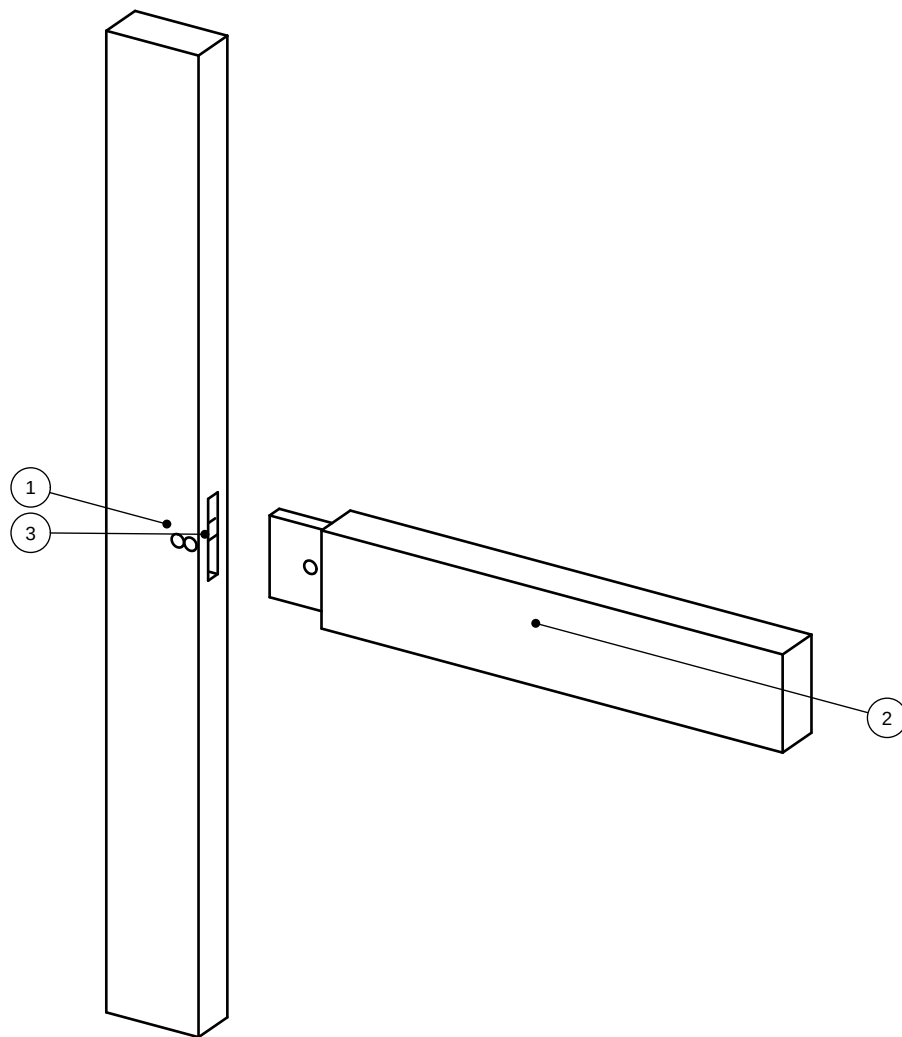
Contents

Drawings	3
Assembly	3
Parts	4
1 stile	5
2 rail	6
3 peg	7
Cut list	8
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ISOMETRIC

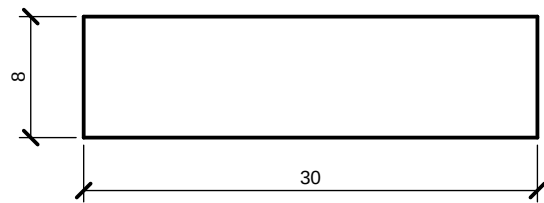
assembly	drawbored_mortise_tenon
parts	3
overall	360 x 30 x 600 (W x D x H)
material	oak
scale	1:8, mm



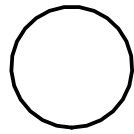
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	stile	1	600 x 60 x 30	oak
2	rail	1	340 x 60 x 30	oak
3	peg	1	ø8 x 30	oak

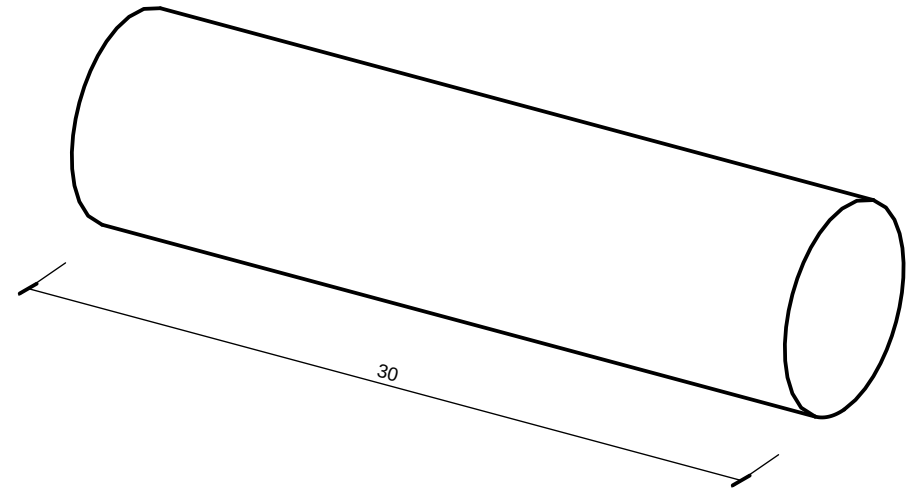
assembly	drawbored_mortise_tenon
parts	3
overall	360 x 30 x 600 (W x D x H)
material	oak
scale	not to scale, mm



SIDE



RIGHT END



ISOMETRIC

part	peg
of	drawbored_mortise_tenon
make	1
cut size	ø8 x 30
material	oak
scale	2:1, mm

Cut list

stile 600 x 60 x 30 mm oak
- mortise 50 x 10 mm, 42 deep, in back_edge
- peg hole ø8, in top_face, 46.5 from front_edge, centered
rail 340 x 60 x 30 mm oak
- tenon 50 x 10 mm, 40 long, on left_end
- peg hole ø8 through the tenon on left_end, 13.5 from the shoulder, drawbored: drilled 1.5 mm closer to the shoulder
peg ø8 x 30 mm oak

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.drawbored_mortise_tenon
```

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

```
def drawbored_mortise_tenon(
    stile_length: float = 600, rail_length: float = 300, width: float = 60, drawbore: float = 1.5
) -> Assembly:
    """A drawbored mortise and tenon: the hole in the tenon drilled 1.5 mm
    closer to the shoulder, so the peg pulls the shoulders tight (shown
    assembled, the holes straight)."""
    return _pegged("drawbored_mortise_tenon", stile_length, rail_length, width, drawbore)
```