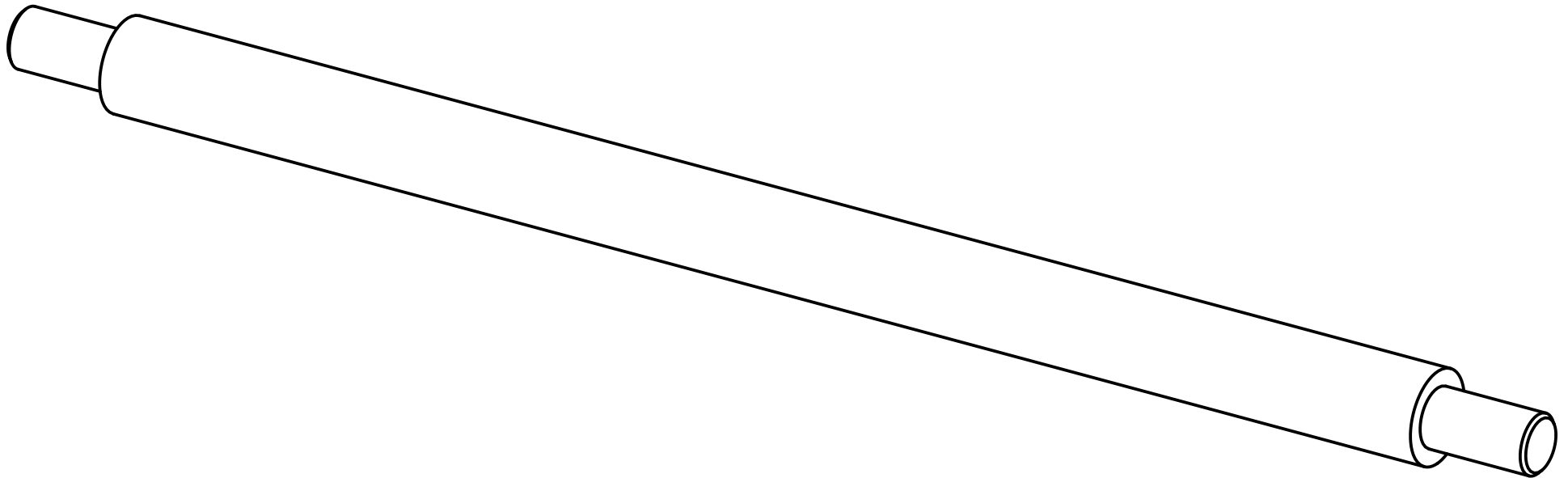


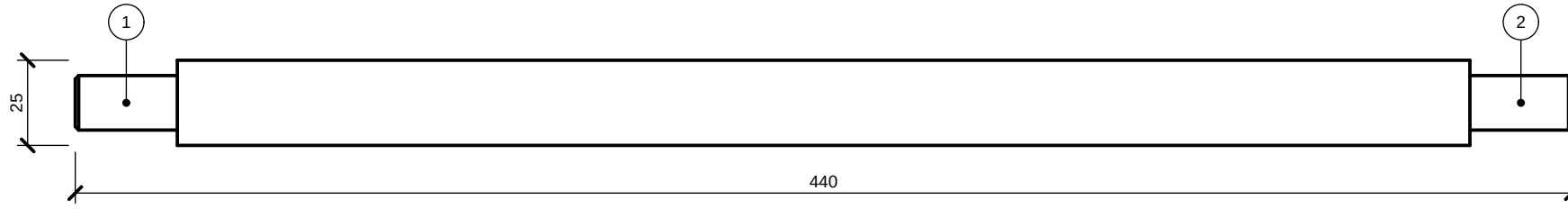
Round tenon



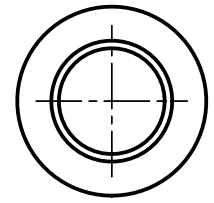
parts	1
overall	440 x 25 x 25 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

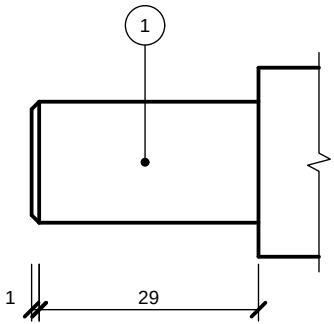
Drawings	3
1 rod	3
Cut list	4
Appendix: source	5



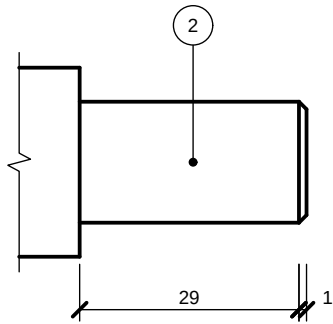
SIDE



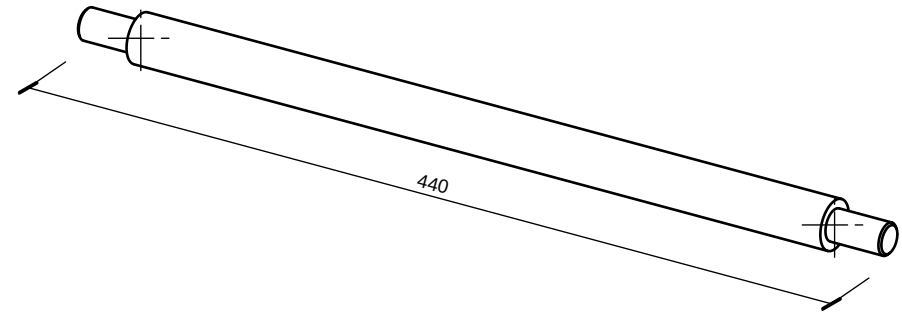
RIGHT END 1:1



SIDE: 1 1:1



SIDE: 2 1:1



ISOMETRIC

- 1 round tenon $\varnothing 16$, 30 long, end chamfered 1 mm, on left_end
- 2 round tenon $\varnothing 16$, 30 long, end chamfered 1 mm, on right_end

part	rod
of	round_tenon
make	1
cut size	$\varnothing 25 \times 440$
material	oak
scale	1:2, mm

Cut list

rod $\varnothing 25$ x 440 mm oak
- round tenon $\varnothing 16$, 30 long, end chamfered 1 mm, on left_end
- round tenon $\varnothing 16$, 30 long, end chamfered 1 mm, on right_end

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 cuts.round_tenon
```

cuts.round_tenon, in woodwright/examples/cuts.py

```
def round_tenon(diameter: float = 16, length: float = 30, stock: Stock = ROD_OAK) -> Assembly:
    """A rod with a round tenon at each end (a rung), shouldered all round
    and chamfered at the end; the rod grows by their length."""
    asm, rod = _rod("round_tenon", stock, 380)
    for end in (rod.left_end, rod.right_end):
        rod.cut(RoundTenon(end, diameter, length, chamfer=1))
    return asm
```