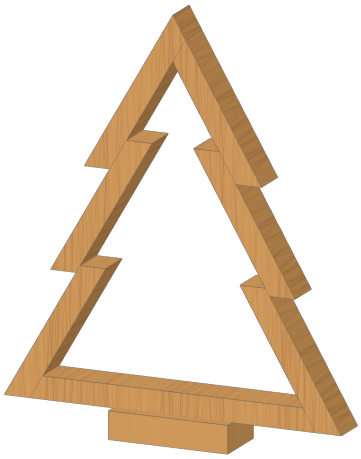
# Christmas Tree

A stepped tree from one length of 3x2 on a 4x2 base. Every cut 30°, glued and screwed.



| | |
|---|---|
| **STOCK** | 1 length CLS 38 × 63 (3x2), 2.4 m; base 205 mm of sawn 4x2 |
| **OVERALL** | 580 W × 701 H mm, base 100 mm front to back |
| **ANGLES** | Every cut 30°; flip between cuts, except the tier arms |
| **TIERS** | Bar between the bottom legs; tiers tuck inside, 50 mm overlap |
| **PARTS** | 8 parts · 2076 mm of the 2400 mm length used |
| **FIXINGS** | Wood glue + 16 screws 4 × 70 mm, 3 mm pilot holes, countersunk |
| **FINISH** | Sand the points. Paint for outdoors |

**2 · Beginner** | 1–2 hours | About £6 per tree | 10 tools

## Cutting layout (to scale)

Kerf 3 mm · measure along the long edge




## Cut list

| NO | PART | LONG POINT (MM) | QTY | CUTS AND NOTES |
|---|---|---|---|---|
| **01** | Long top arm | 305 × 38 × 63 | 1 | 30° both ends, flip; crosses the short arm at the top |
| **02** | Short top arm | 261 × 38 × 63 | 1 | 30° both ends, flip; butts into the long arm |
| **03** | Tier arm | 261 × 38 × 63 | 4 | 30° both ends, parallel (no flip); 2 bottom, 2 middle |
| **04** | Bottom bar | 492 × 38 × 63 | 1 | 30° both ends, sloping in; fits between the bottom legs |
| **05** | Base (4x2) | 205 × 100 × 47 | 1 | Sawn 4x2 laid flat, square ends; under the bar |

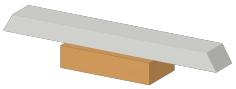
**Tools:** Tape measure · Pencil and combination square · Mitre saw (staff) · Hand saw and mitre box · Clamps (2) · Drill-driver with 3 mm bit and countersink · Sanding block and 120 grit paper · Safety glasses · Ear defenders · Dust mask

**Ask a helper for:** every 30° cut (mitre saw, staff) and drilling the 16 pilot holes.

# Build it step by step

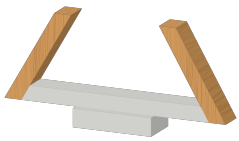
Grey = already fixed · wood = this step. Work from the bottom up. Pilot holes first.

## 1



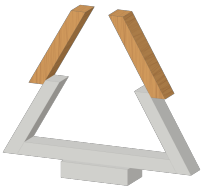
Base (05) centred under the bottom bar (04). Glue, 2 screws down through the bar.

## 2



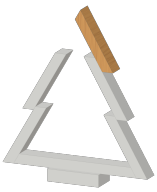
Bottom tier arms (03): the bar fits between them. Glue, 2 screws each.

## 3



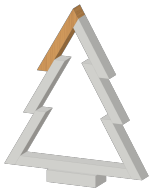
Middle tier arms (03) outside them, 50 mm overlap. Glue, 2 screws each side.

## 4



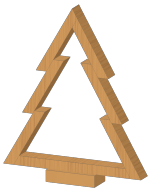
Short top arm (02) outside the right middle arm, 50 mm overlap. Glue, 2 screws.

## 5



Long top arm (01) on the left: 2 screws, then 2 through it into the short arm at the top.

## 6



Let the glue dry, sand the point, stand it up and add lights.

**Glue and screws:** glue every joint, drill 3 mm pilot holes, countersink. 16 screws: 2 base, 4 bottom arms, 4 middle arms, 4 top arms, 2 at the top.

## Materials for one tree

| ITEM | PER BUILD | TYPICAL PRICE | SOURCE |
|---|---|---|---|
| 3x2 CLS, 2.4 m | 1 length | £3.67 each | Sheet Materials Wholesal |
| Sawn 4x2, 2.4 m | 0.09 length | £6.00 each | Estimate |
| Wood screws, 70 mm | 16 screws | £6.50 (pack of 100) | Estimate |
| Wood glue, 250 ml | 0.08 bottle | £4.50 each | Estimate |
| Sandpaper, 120 grit | 1 sheet | £5.99 (pack of 10) | Screwfix |

**About £6.21 per tree**

Rough guide, not a quote. UK prices checked November 2026, inc. VAT. Screw, glue and 4x2 prices estimated.