DRAWING BOARDS · SETUP

Setting up your drawing board

Ackworth · Priory · Bretton · Denby

This guide covers Ackworth, Priory, Bretton and Denby drawing boards. Every board is delivered fully assembled, so setting up is mainly a matter of finding your working position and checking the straight edge.

KNOW YOUR BOARD



Ackworth

Free-standing, on a folding A-frame stand. A0 and A1.

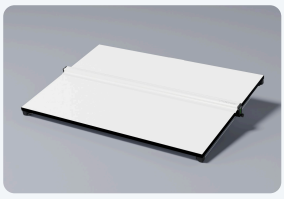
COUNTER-WEIGHT
CROSS-WIRE



Priory

Desktop, on a folding steel frame. A1, A2 and A3.

COUNTER-WEIGHT
CROSS-WIRE



Bretton

Portable desktop board with fold-out legs. A1, A2 and A3.

CROSS-WIRE



Denby

Free-standing, spring-assisted twin column stand. 2A0, A0 and A1.

COUNTER-BALANCED

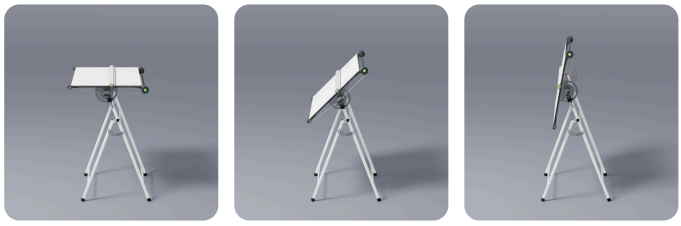
Counter-weight boards have a threaded wheel at each top corner and weight cups that travel with the straight edge. Cross-wire boards have a wheel at each corner and one wire crossing behind the board. The A3 Priory is cross-wire only.

ACKWORTH: HEIGHT AND ANGLE

The folding A-frame stand adjusts both the height and the angle of the board. The board can be set anywhere from horizontal to almost vertical, with plenty of adjustment on the overall height.

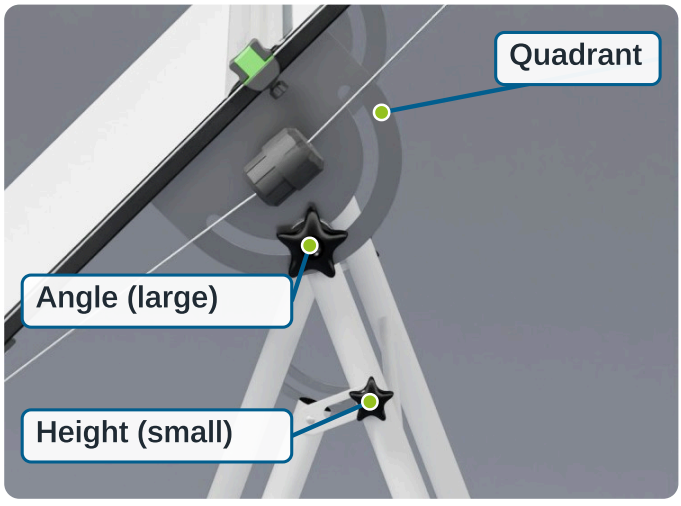
1. **Angle:** the large hand-wheels on the quadrants set the angle. Release them, tilt the board to the angle you want, then retighten.
2. **Height:** the smaller hand-wheels set the height. Release them, raise or lower the board, then retighten.

The stand folds up and can be removed from the board for storage or transport.



Horizontal | Working angle | Almost vertical

Side views of the A1 Ackworth counter-weight board. The A0 uses the same stand.



A1 Ackworth from the side: the large angle hand-wheel on the quadrant and the smaller height hand-wheel. The quadrant plates sit centrally behind the board and turn with it.

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Adjusting your working position

PRIORY: WORKING ANGLE

The welded steel Priory frame folds out to a choice of working angles:

SIZE	MAXIMUM ANGLE
A1 Priory	up to 60°
A2 Priory	up to 45°
A3 Priory	up to 40°



A1 Priory counter-weight from the side, frame raised.

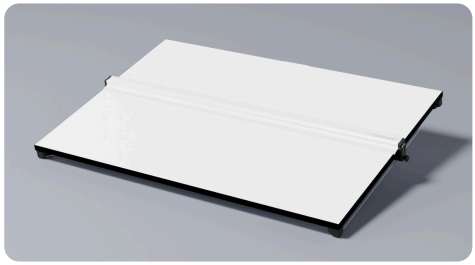
1. Raise the board to the angle you want. When you let go, the stand holds the board in that position.
2. To lower the board, raise it to the very top position. The mechanism resets there, so you can lower the board back down to horizontal and close it.

The board also folds completely flat. When closed, the frame holds shut with magnetic catches, which is handy for carrying and storage. Rubber feet stop the frame slipping on the desk.

BRETTON: LEGS AND CARRY HANDLE

The Bretton's chrome steel legs fold out to raise the board to its working angle on the desktop. Fold them out fully, until they reach their stop.

Folded flat against the board, the legs form a carry handle, so the Bretton is easy to take with you.



A1 Bretton with the legs folded out.

DENBY: HEIGHT AND ANGLE

The Denby's spring-assisted twin column stand is fully adjustable and locks the board at any height and angle between horizontal and 80°. A foot pedal releases and locks the position, and doubles as a foot rest.

1. Lift the foot pedal to release the stand.
2. Move the board to the height and angle you want.
3. Press down on the pedal to lock the position.

In the horizontal position the board height can be set from 1000mm to 1460mm. Locking castors can be fitted if required.

> Denby boards are large and heavy, so handle them with two people. The board can be removed from the stand, but please contact us first to discuss the safe procedure.



A0 Denby drawing board.

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The straight edge

FITTING THE STRAIGHT EDGE: COUNTER-WEIGHT BOARDS

ACKWORTH COUNTER-WEIGHT | PRIORY COUNTER-WEIGHT

1. Slacken the knob at each end of the straight edge.
2. Rotate the drawing board into a horizontal position.
3. Move the counter-weights to the bottom of the board.
4. Place the straight edge on the board near the top edge, opposite the counter-weights.
5. At one end, thread the knob only one turn onto the bolt.
6. Using the knob, push the bolt in and tilt it upwards so the wire fits behind the bolt head.
7. Tighten the knob to secure the bolt head against the wire.
8. Repeat at the other end of the straight edge.

Setting the straight edge parallel

1. Slacken both knobs.
2. Align the straight edge with the top of the board face, keeping the counter-weights at the bottom of the board.
3. Retighten the knobs.

> If the straight edge ever loses its grip on the wire and slips, repeat these three steps and tighten the knobs firmly.



Straight edge end on the wire (A1 Ackworth counter-weight). The knob clamps the straight edge to the wire.

CROSS-WIRE BOARDS

ACKWORTH CROSS-WIRE | PRIORY CROSS-WIRE | BRETTON

With the wire adjuster (bottle screw) in the centre, attach the straight edge in the middle of the board, using the spring tab assembly at each end to secure it to the wire. The amount of flex in the spring tab can be adjusted to give the resistance you want. Wire tension is set by adjusting the bottle screw where the wire ends join on the back of the board. Full wiring steps are in our *Connecting the wires* guide.

YOUR STRAIGHT EDGE

The aluminium straight edge has a precision-machined 15mm transparent acrylic blade and runs the full width of the board. The underside is rebated, so you can use ink pens without smudging.

Don't cut against the acrylic edge. If it does get damaged, get in touch: we can sort out the damage and re-machine it for you.

CARE AND CLEANING

- **Board surface:** wipe with a soft, slightly damp cloth and dry it off.
- **Acrylic blade:** clean with a soft, clean cloth. Avoid abrasive cleaners and pads, which scratch acrylic.
- **Frame and stand:** wipe with a damp cloth, dry, and keep moving parts free of dust.

HELP, SPARES AND SERVICING

- Spare parts: www.thebigorchard.com/parts-for-drawing-boards/
- Wiring guides and downloads: www.thebigorchard.com/downloads/
- Annual maintenance service plans: www.thebigorchard.com/service-plan/
- Lifetime warranty: www.thebigorchard.com/warranty/
- Call +44 (0)1924 291333 or email info@thebigorchard.com