DRAWING BOARDS · PARALLEL MOTION

Connecting the wires

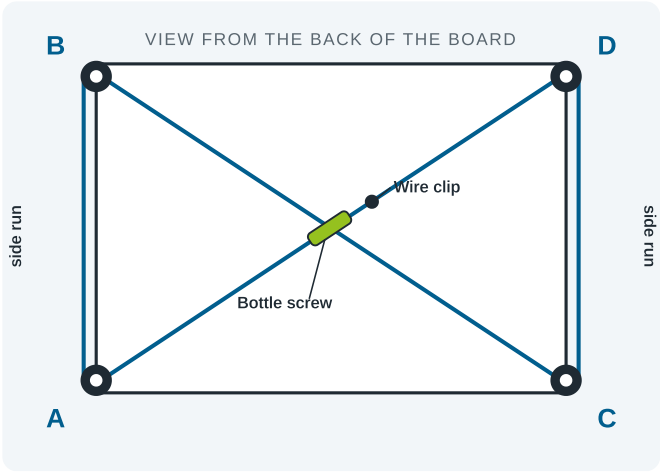
Cross-wire parallel motion

CROSS-WIRE (CONTINUOUS WIRE) PARALLEL MOTION

ACKWORTH CROSS-WIRE · PRIORY CROSS-WIRE · BRETTON

A cross-wire parallel motion uses one continuous wire that runs round a wheel at each corner and crosses in an X behind the board. It holds the straight edge by friction and gives a smooth action.

1. Screw the 4 corner brackets to the back of the drawing board, using 2 short screws in each.
2. Place the corner wheels on the brackets.
3. Screw the 4 wheels in place using the long screws.
4. Thread the wire around the bottom-left wheel (A, viewed from the back).
5. Take the wire round the other corner wheels as shown: up the side to B, diagonally across to C, up the other side to D, and diagonally back towards A. The two diagonals cross in an X.
6. Fix the wire clip near the middle of the board using a short screw.
7. Fasten the wire adjuster (bottle screw) firmly enough to hold. **Do not overtighten.**
8. With the wire adjuster 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.
9. Adjust the flex in the spring tab to give the amount of resistance you want.

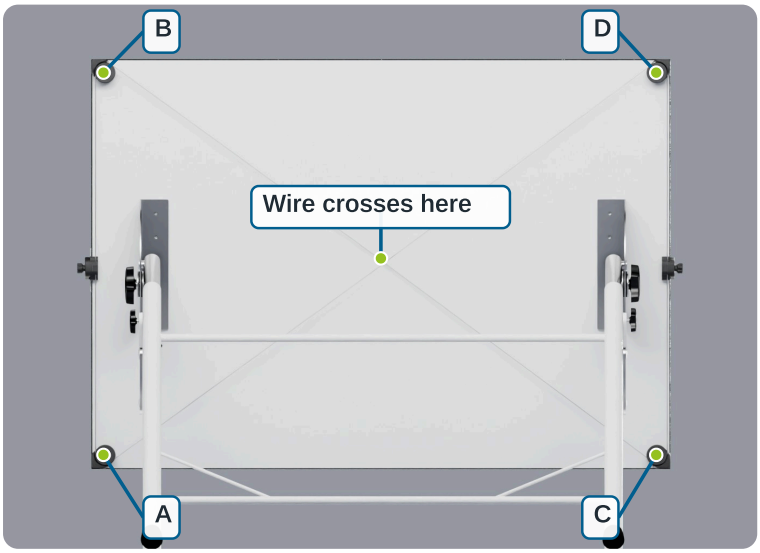


Wire routing for steps 4 to 7, seen from the back. The straight edge ends grip the side runs.

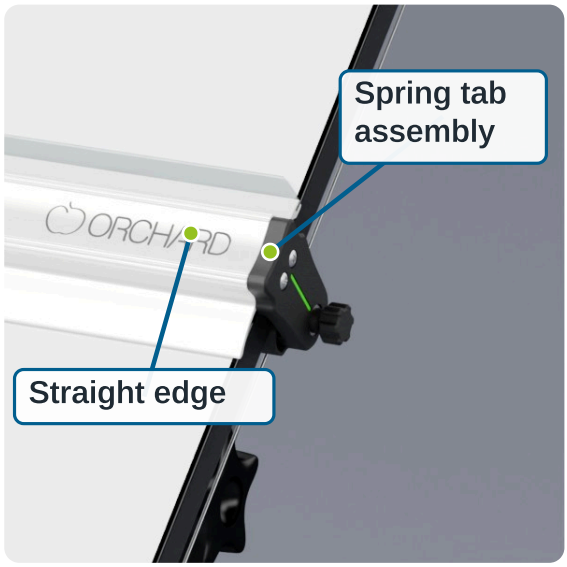
TENSIONING THE WIRE

The wire tension is set by adjusting the bottle screw where the wire ends join on the back of the board. **Do not overtighten.**

> **Replacing the wire?** Replacement wires are supplied ready-made by us, made up with the ferrules already crimped on, and you fit them using steps 4 to 9 above. To order one, call +44 (0)1924 291333 or email info@thebigorchard.com.



Back of an A1 Ackworth cross-wire board with the stand fitted, showing corner wheels A–D and the crossed wire.



Straight edge end with the spring tab assembly.