

CHESHIRE  
**mouldings**  
**TRADE**

**Iron Deck  
Bow & Eden**  
Fitting  
Instructions

DESIGNED BY  
**EASY**  
INSTALLATION  
FITTERS FOR

# Important Information

The following instructions are for installing the Cheshire Mouldings **Iron Deck Bow & Eden decking system**.

Cheshire Mouldings **Iron Deck Bow & Eden system** is suitable for **ground level decks** and **decks up to 600mm** above ground level.

Maximum distance between posts is **1800mm**.

**Cheshire Mouldings Core Deck system** has been independently tested by FIRA and when installed in accordance with these instructions, conforms with Building Regulations for balustrades at 900mm (min) high and 0.36KN/m domestic loadings.

**As only official Cheshire Mouldings parts have been tested, the use of non Cheshire Mouldings products used in conjunction with this system cannot be guaranteed to conform.**

All components should be inspected BEFORE installation commences for any damage and to check all your items are correct before installation. While care is taken to match our engineered timber products, timber is a natural product where the colour, grain structure, can vary.

While we do everything possible to ensure the information contained within these fitting instructions are correct, they are only a general guide, every situation is different. Please read through the fitting instruction fully before commencing any fitting, Cheshire Mouldings will not be held responsible for any mistakes made through incorrect fitting. You will need to take extra care when installing pre-finished components and some touching up will undoubtedly be necessary around the cut areas.

If you have any queries please contact our technical helpline on **(0800) 085 3475**.

## **Please note:**

All components should be inspected BEFORE installation commences for any damage, as Cheshire Mouldings cannot be held responsible for any damage caused during installation

## **Tools required:**

Saw, Battery drill, pozi-drive bit, drill bits  $\varnothing 3\text{mm}$  &  $\varnothing 4\text{mm}$ , hammer, g clamps, chisel, spirit level, tape measure

# Fitting Instructions

## Installing Posts

To establish correct height and length for the posts, measure down 1040mm from top of the post if you are using a plain square post or 1000mm from under the decorative feature if you are using post with integrated cap. Mark the post. This indicates top of deck board location (**Fig.1**).

Posts should be positioned 1800mm max between inside faces (**Fig.2**).

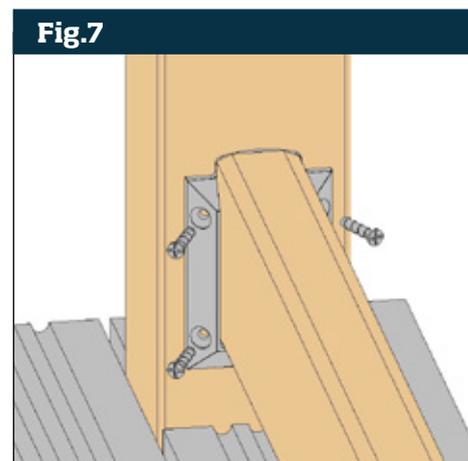
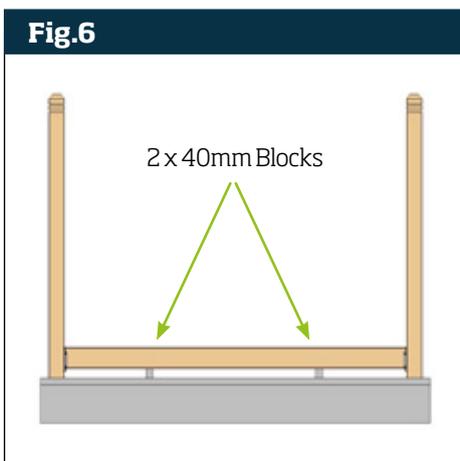
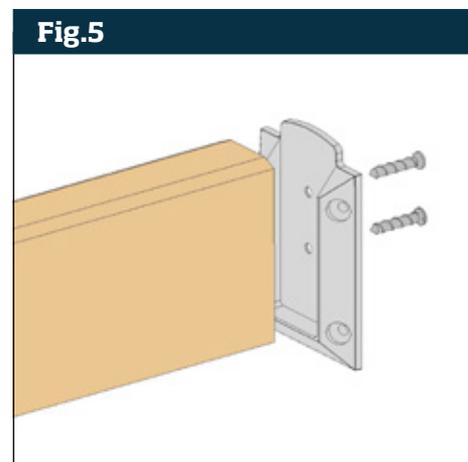
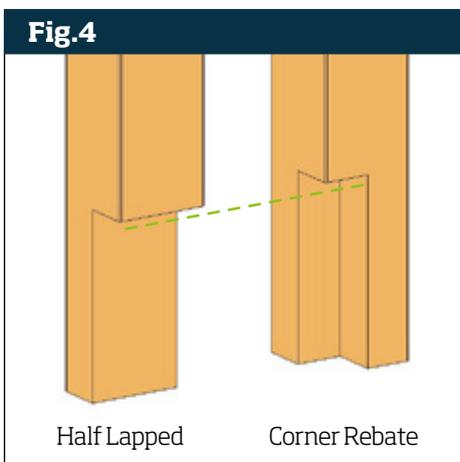
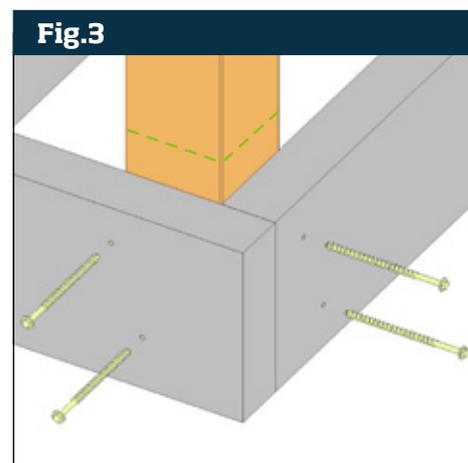
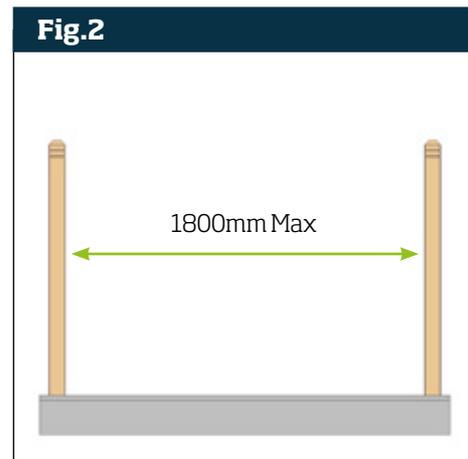
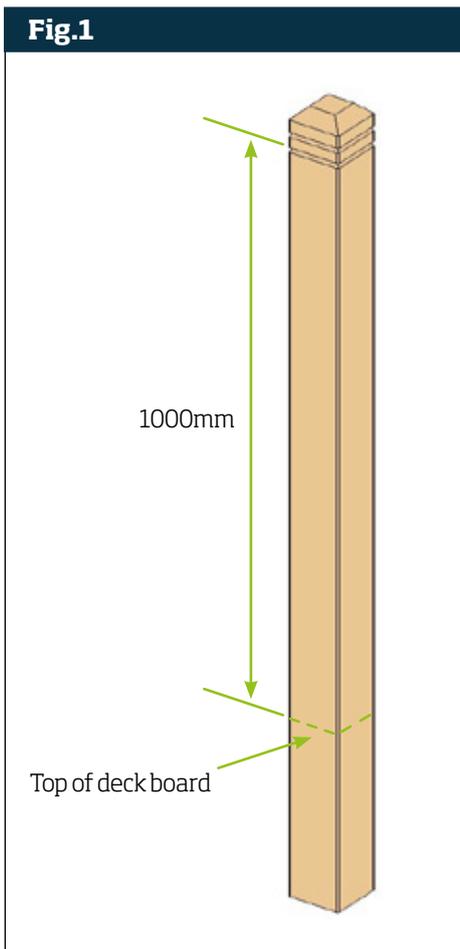
Secure your post at the correct height with 100mm landscape screws by either positioning the posts inside the joists so that 2 post faces can be secured through 2 joists at 90° (**Fig.3**). If this is not possible, posts that are fitted to the outside of the joists should be half lapped to the height of the joist and deck board thickness and rebate any corner posts if the balustrade has a 90° turn (**Fig.4**).

## Handrails

With posts secured, re-measure distance between inside post faces. Please allow for bracket thickness of 3mm per bracket. Trim top and bottom rails to length. To install bottom rail, offer rail hanger brackets to each end of the rail. Pilot drill through back bracket holes and secure with screws supplied (**Fig.5**).

Place 2 x 40mm blocks onto top of deck boards and offer bottom rail assembly between posts and onto top of blocks (**Fig.6**).

Check that the brackets are central to the inside post faces. Pilot drill through the side bracket holes and fix to post using screws supplied (**Fig.7**).



Offer rail hanger brackets to each end of the top rail. Pilot drill through back bracket holes and secure with screws supplied (**Fig.8**).

Place a Dek-Eden/Dek-Bow metal baluster at each end of bottom rail so that the full length of the flat fixing lug is positioned up against the front of the bottom rail (**Fig.9& Fig.10**). Temporarily clamp in place.

Offer top rail assembly between posts and align underside of top rail with bottom of flat fixing lug where baluster curve starts. Centre the top rail hanger brackets to the post face. Pilot drill through side bracket holes and fix to post using screws supplied (**Fig.11**). Unclamp balusters and remove

### Inserting metal balusters

Position the first spindle with a gap no greater than 80mm from post. Ensure that it is perpendicular using a spirit level. Pilot drill through baluster holes and fix using suitable screws (**Fig.12**). Repeat for last spindle next to other post.

To establish centre locations for remaining balusters -

- Measure distance between centres of first and last balusters (**Fig.13**).
- Divide measurement by 120 (round up to next whole number).
- Divide original distance by whole number to get baluster centres.

### Example

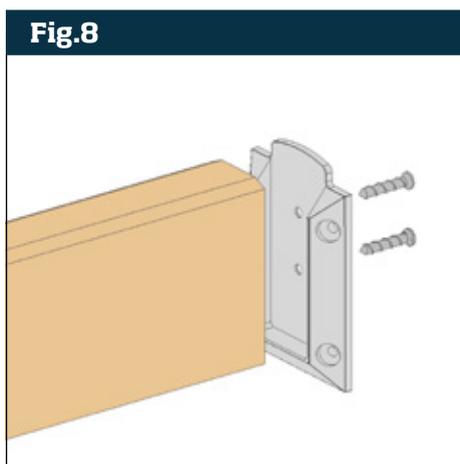
- Distance between centres = 1550mm.
- Divide 1550 by 120 = 12.9, round up to 13.
- Original distance  $1550 \div 13 = 119\text{mm}$  ctrs.

Please note - max centres distance is 124mm. If this is matched or exceeded, increase rounded up number by 1 and recalculate until it falls below this.

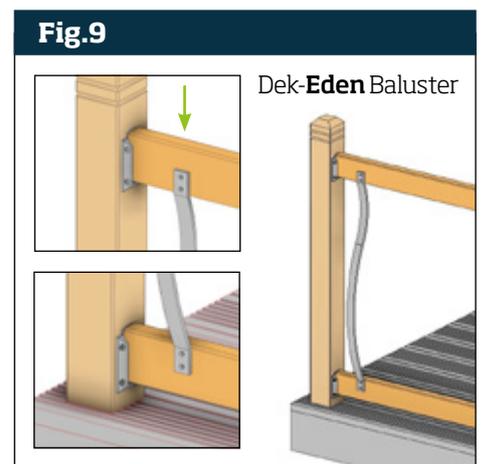
From centre of first baluster, measure and mark all baluster centres along face of rail.

Offer metal balusters to centre locations, check they are vertical using a spirit level. Pilot drill through screw holes on baluster fixing lugs, into rail and fix using suitable screws (**Fig.14**).

Cut capping rail to length and offer over top rail. Pilot drill through top of capping rail and secure with suitable screws (**Fig.15**).

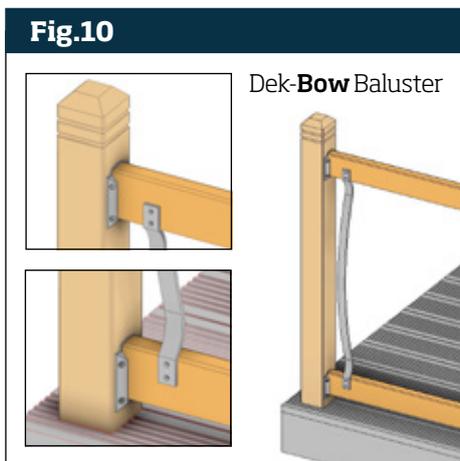


**Fig.8**



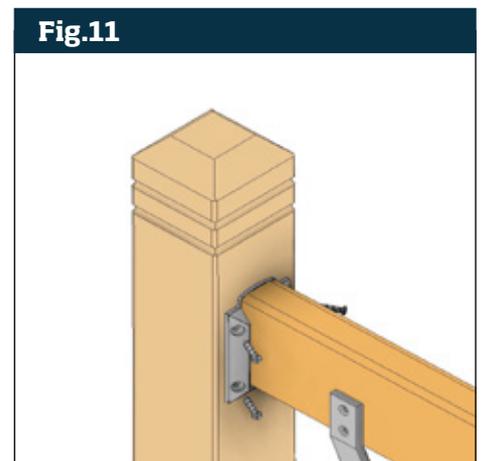
**Fig.9**

Dek-Eden Baluster

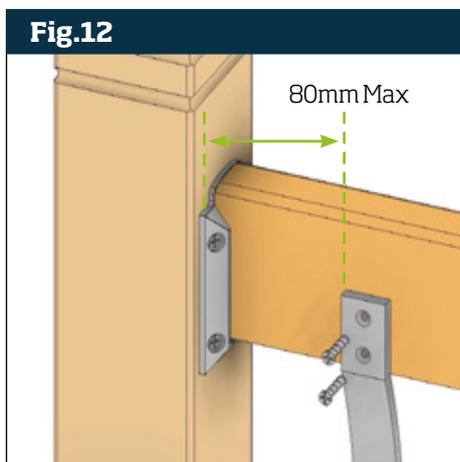


**Fig.10**

Dek-Bow Baluster

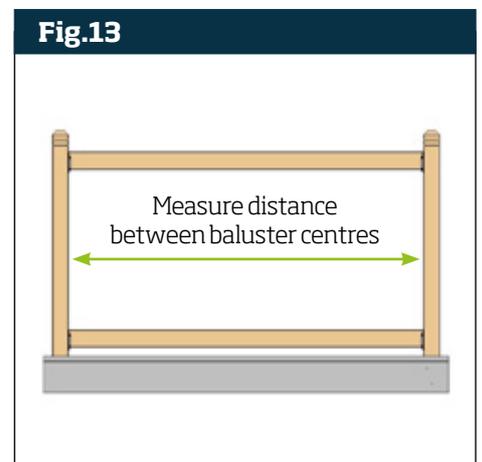


**Fig.11**



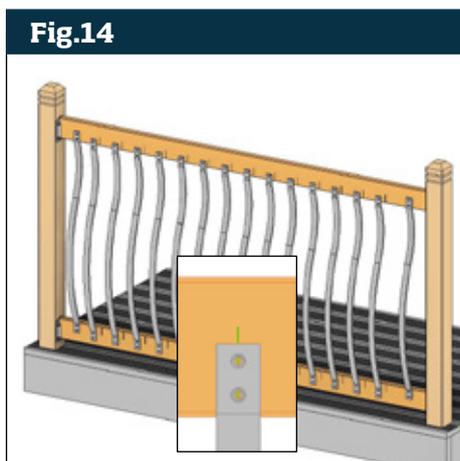
**Fig.12**

80mm Max

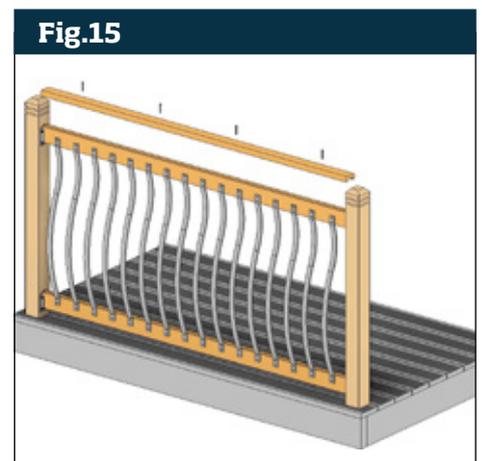


**Fig.13**

Measure distance  
between baluster centres



**Fig.14**



**Fig.15**



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