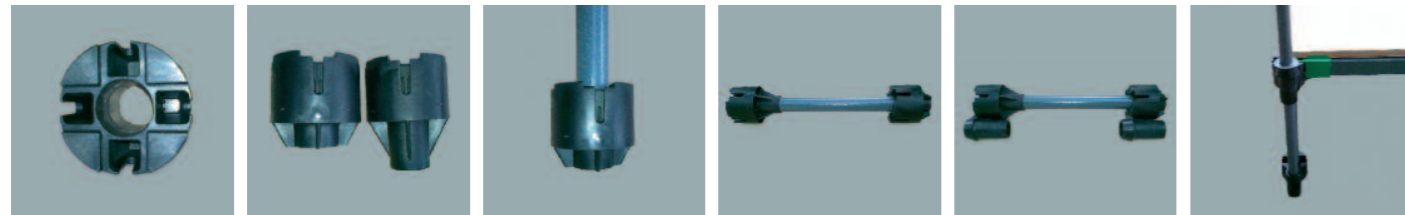


Handrail assembly for a flat stage...



The bored out 'Node' is to be used to secure the base of the deck bar post.

Please note that the node has been cut down to provide a more stable base.

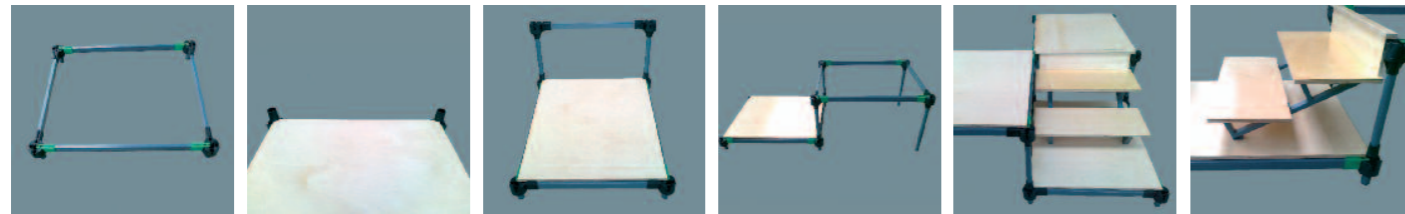
Insert the leg through the Node so that the leg protrudes slightly, almost flush.

The leg should now resemble the above.

Add the deck bar Adapter mouldings to both top and bottom. Then build the stage as normal.

When inserting deck bars and posts, ensure the post seats in the bottom moulding.

Assembling step flights for a 600mm high stage...



First create a 150mm high unit by combining the green and black rails to the legs.

Complete the unit with a deck panel and place tier riser cups in the back legs as if for a tiering block.

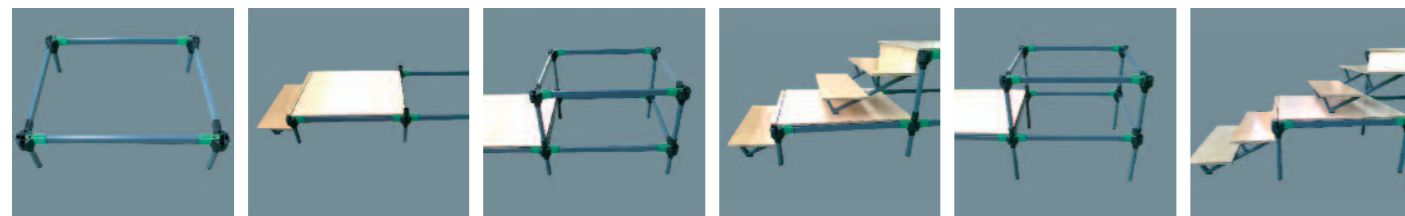
Insert 450mm legs into the riser cups and connect these with a black rail before continuing to build the higher units as per a normal stage.

If the Steps are to be recessed into the stage there should be a further riser cup used on the side of the unit.

Once the 2 step unit has been added there is a continuous 150mm rise in the step flight. The tread depth is a constant 300mm deep.

More commonly the step flight projects from the front of the stage.

Assembling step flights for a 750mm and 900mm high stage...



First create a 300mm high unit by combining the green and black rails to the legs.

Complete the unit with a single step unit, deck panel and place tier riser cups in the back legs as if for a tiering block. Continue to build in this way to create the lower level.

Continue to build the upper level of the stage using the standard building technique.

Once the upper level is complete add the double tread step unit to the front before adding panels. This creates an even step rise with a consistent depth of 300mm.

For 900mm Stages build the first 450mm unit complete with double step then continue to build until both levels are complete with frame work.

Add a double step to the front and finish the stage as normal. Please note that this step flight can also be recessed.

Kit 12 contents

COMPONENT	NUMBER
450mm legs	20
750mm deck bars	31
750mm x 750mm deck panels	12
Birch trims	4
Gap mouldings	7
Corner mouldings	4
2 step unit	1

Kit 18 contents

COMPONENT	NUMBER
450mm legs	28
750mm deck bars	45
750mm x 750mm deck panels	18
Birch trims	6
Gap mouldings	9
Corner mouldings	4
2 step unit	2

Kit 24 contents

COMPONENT	NUMBER
450mm legs	35
750mm deck bars	58
750mm x 750mm deck panels	24
Birch trims	6
Gap mouldings	11
Corner mouldings	4
2 step unit	2

Kit 32 contents

COMPONENT	NUMBER
450mm legs	35
750mm deck bars	58
750mm x 750mm deck panels	24
Birch trims	6
Gap mouldings	11
Corner mouldings	4
2 step unit	2



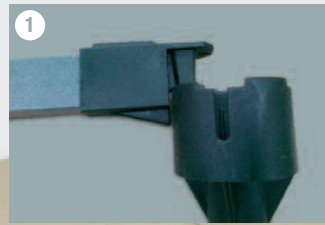
Assembly Guide

A guide to building flat stages, tiered blocks, fitting deck bars and steps.



Gratnells Ltd, 8 Howard Way, Harlow, Essex CM20 2SU United Kingdom
T: 01279 401550 F: 01279 419127 E: stage@gratnells.co.uk W: www.gratnellsstage.com

Building a stage...



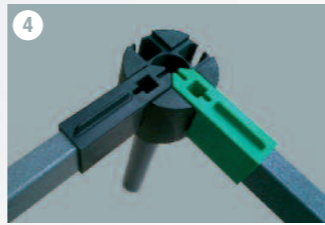
1 Connect a rail securely into the 'Node' at the top of the leg ensuring it is fully located.



2 Repeat this until the rail is fitted with the same sized legs at each end.



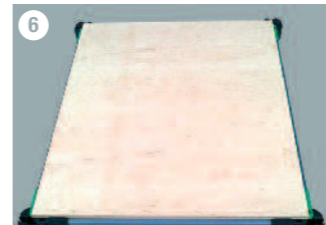
3 Insert a green rail at 90o to the black Rail.



4 Repeat the above until you have created a rectangular frame.



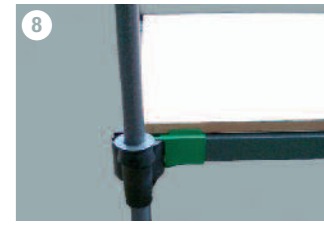
5 Ensure all rails are securely seated at both ends, at this point you can add trims or steps to a unit which will be on the outside edge of your stage layout.



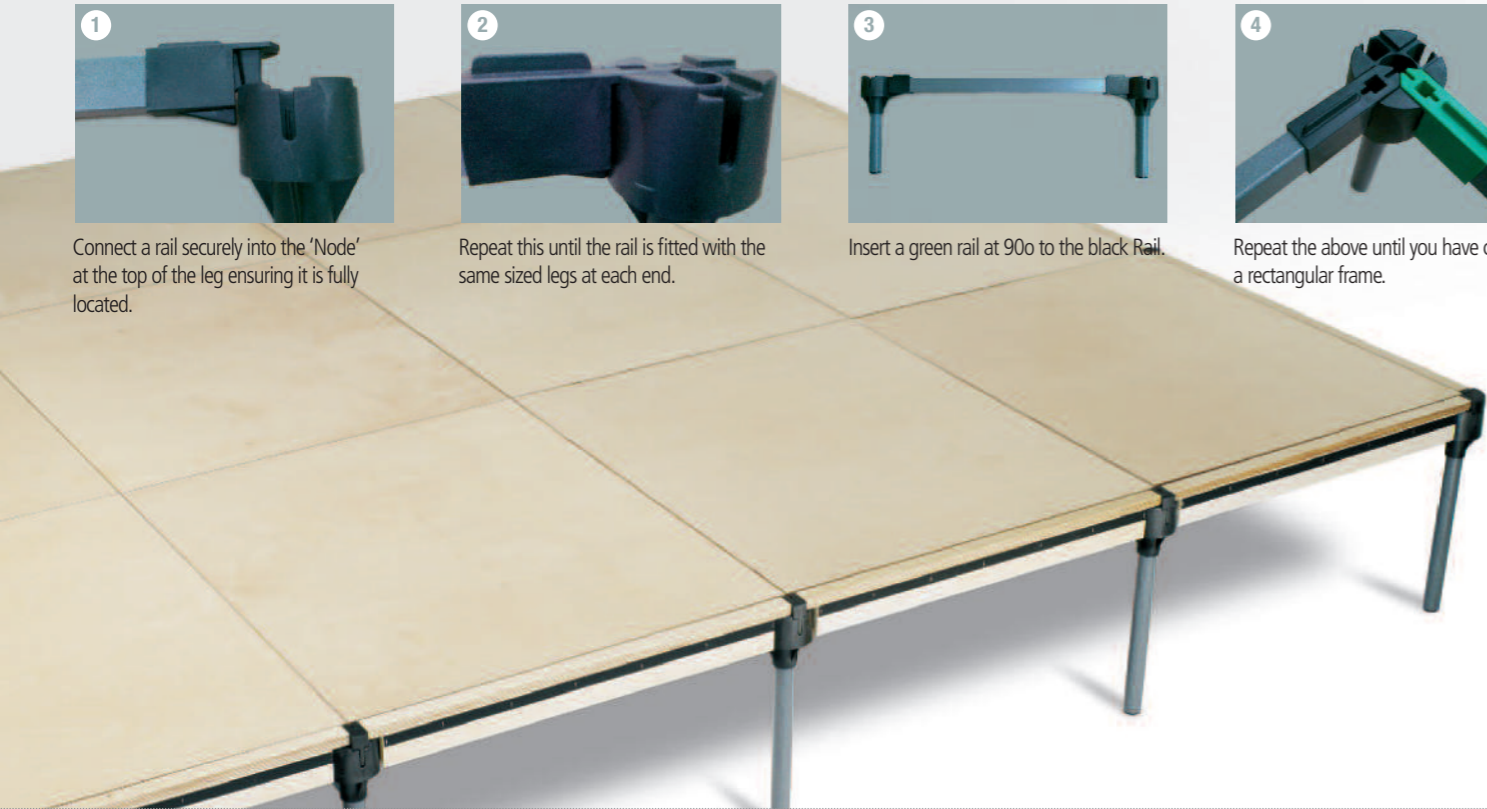
6 Complete the first unit by adding a deck panel, then continue to build by completing the frame using black and green rails.



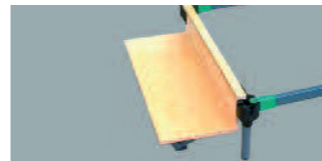
7 Repeat these steps until the entire stage is built.



8 If using handrails on a flat level stage please see the **Handrail Assembly instructions** (overleaf) for additional instructions for building the outside units of your stage.



Fitting Steps and Trims...



Steps and trims attach to the frame before the deck panel is located. It is advisable that they be situated before the panel is placed in any stage build to avoid trapping fingers.

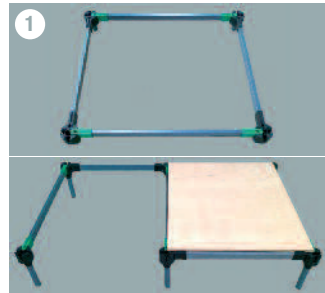


Corner mouldings are supplied to fit flush with the top of the trim and step. These simply locate in the free pegs on the node.

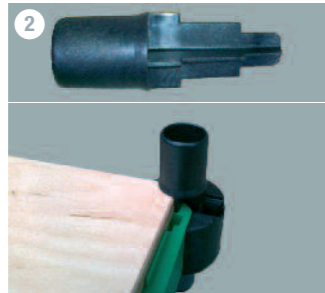


A gap trim fits between trims in order to provide a level edge to the stage.

Building a tiered block...



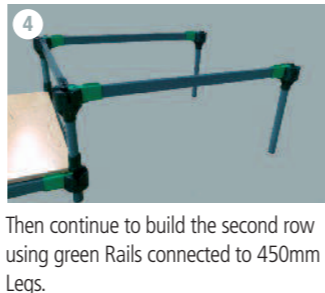
1 Using 150mm legs create the first row by assembling rails as per for a standard stage. Once the frame is complete add a single deck panel to 'Square' the unit. Then continue to build until the first row is completed.



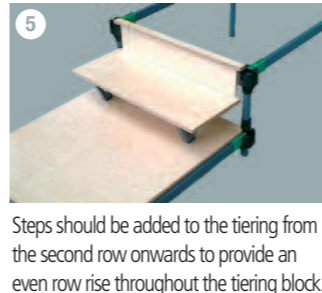
2 Add Tier Riser Mouldings to the rear of the row, ensuring that each sits securely in the Node.



3 Once completed insert 300mm legs into the Riser and connect with Black rails.



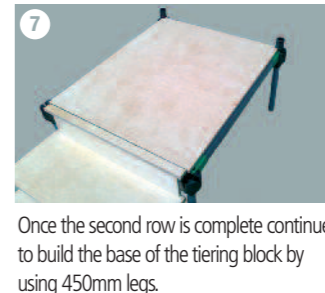
4 Then continue to build the second row using green Rails connected to 450mm Legs.



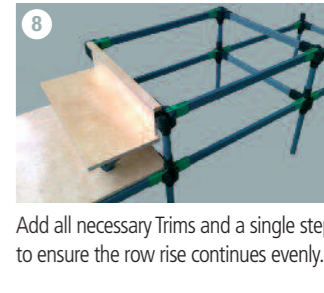
5 Steps should be added to the tiering from the second row onwards to provide an even row rise throughout the tiering block.



6 Once any necessary steps and trims are in place fit the deck to the second row in this way until complete.



7 Once the second row is complete continue to build the base of the tiering block by using 450mm legs. Insert Tier Risers into each node along the base of the tiering block. Connect the riser cups of the third row (front and back) using 300mm legs, black and green rails.



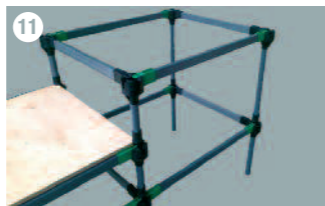
8 Add all necessary Trims and a single step to ensure the row rise continues evenly.



9 Again use a deck on the first unit to ensure that the frame is squared and to avoid any deviation in the row itself.



10 Repeat the build sequence with riser cups, 300mm legs and black rails on the front of the forth row. Connect this frame using green rails into 600mm legs into the back of the tiering block.



11 Any further rows from this will be based upon this structural format. For example: a fifth row would be 450mm legs, 600mm legs and 300mm legs down the rear whilst a sixth would be 450mm, 600mm and 600mm legs.



12 In every case ensure each component is securely fastened into it's companion piece before continuing.



13 Deck bar adapters should always be located in the first and second nodes from the top of the row. This should be done for all rows after the first.



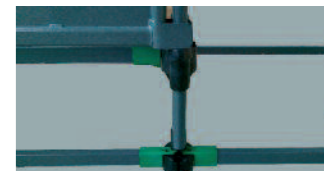
14 Insert the leg of the handrail through both adapters. Note; It is easier to hold the deck bar at 45° to the tiering in order to swing the clasps onto the adapters on the next level.



15 The bottom clasp of the deck bar should rest on the bottom handrail adapter. By eye this should leave a clear path through for the next handrail.



16 Insert the next handrail through both adapters making sure that the clasp of the previous deck bar locates either side of the handrails leg.



Repeat this process for both sides and back completing all deck bar runs with a locking handrail post to ensure they are secure.