

Guide to Assembly & Usage

BiG400 Tyre Racking



Information

If in doubt, contact the supplier



Read this guide thoroughly before commencing assembly and retain for future reference



Before commencing assembly, unpack carefully and check that all components ordered are included



Assembly should be undertaken by a minimum of two competent people



Tools – Large rubber mallet and drill if wall/floor fixing is required



We recommend products over 2000mm high are fixed to the wall where possible



Caution

During assembly, ensure that:



Take care during assembly and in use, particularly when lifting or stretching & when using tools



Wear appropriate clothing - protective gloves and footwear are recommended



Build on a suitable level floor, which is strong enough to support the load and allow adequate working space



Dispose of packaging materials responsibly



Warning

Rules for safe use of shelving:



Ensure these instructions are retained for reference and that users are aware of the rules for safe use



Never climb on the structure or stand on the shelving



Do not lean or support ladders, steps, or other objects against shelving



Always use safety steps to reach high shelves



Do not use in damp or wet conditions



Load heavy items on the lower shelves & lighter items on the higher shelves



This product is designed for hand loading only



Ensure that the maximum load carrying capacities are not exceeded



Please refer to the loading information supplied for details



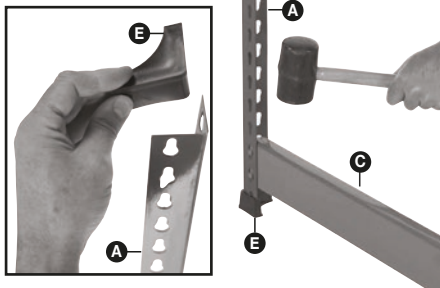
COMPONENT CHECK LIST

Component		Quantity
A Upright		4
B Front & Back Beam		2 per shelf
C Side Beam		2 per shelf
D Centre Support		1 per shelf
E Plastic Foot		4

If you have any missing components please take note of the part name and contact your supplier

Assembly - BiG400 Tyre Racking

- 1** Select two uprights **A** and push on plastic feet **E** to the bases. Insert a short side beam **C** into the keyholes at the lowest shelf level required. Ensure the beam is 90 degrees to the upright



- 2** Knock beam **C** with a rubber mallet to ensure the end studs are fully located in the bottom of the keyholes on both uprights. Lean the uprights **A** against a wall for support if needed



- 3** Repeat steps 1 and 2 until you have created a 'ladder style frame'

Tip: Now is a good time to check the space between beams suits the tyres you want to store on the rack and adjust as required.

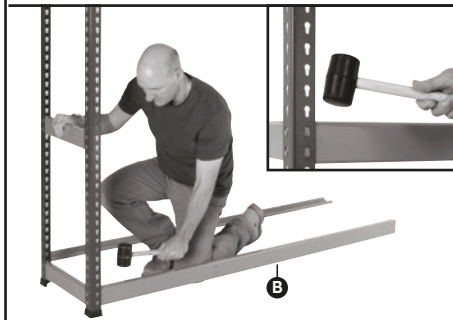


- 4** Select two more uprights **A** and repeat steps 1 to 3 until you have a second 'ladder style frame'

Tip: Use the first frame as a template to get the correct spacing



- 5** Take two long beams **B** and insert them into the keyholes on one frame at the same height as the short beams. Knock into place with a rubber mallet



- 6** Insert the other ends of the beams **B** into the second frame as in step 5.

Tip: Ask another person to hold the frames in place while you secure them



- 7** Repeat steps 5 and 6 to add the remaining long beams. Ensure that each long beam is located at the same height as the side beams



- 8** Locate a centre support beam **D** onto the metal studs on the centre of each long beam **B**. Knock into place and repeat for all levels

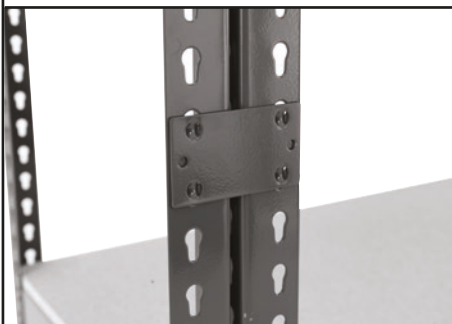


- 9** The bay is now complete and ready to use

Tip: Ensure highest beam level allows end frames to support tyres at both ends



- 10** Tyre racks can be joined together with Tie Plates. Use 4 per join - 2 front and back. Knock into place with a rubber mallet



- 11** For extra stability we recommend wall fixing where possible. Use Wall Ties towards the top of each bay and fix with suitable fixings

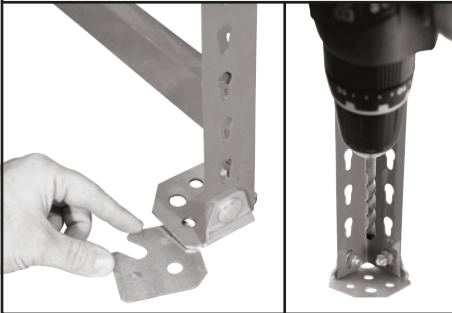


- 12** Optional steel feet are also available with levelling shims. Simply bolt feet to the bottom hole in the upright using nuts, washers and bolts provided



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- 13** Position the racking and add shims under feet to level if needed. Feet can also be bolted to the floor using 70mm sleeve anchors.



Loading information

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These load charts relate to shelving layouts with the following specifications:

- Maximum post height = 1980mm
- Single bays and multiple linked bays with a minimum of 3 levels per bay
- Similar distances (height) between levels
- Bays are positioned on a level floor

For any other layouts, please refer to your supplier for detailed loading capacities

Shelf load capacities

Maximum permitted shelf capacities are based on UDL[†]. Please note that the bay capacity may limit the maximum load per shelf:

BiG400 Tyre Racking	
Shelf Width mm	Load Capacity per shelf
1525	200kg
1830	200kg
2135	200kg
2440	200kg
Maximum load per bay	
Up to 1980mm high	600kg
Capacities are common for all standard shelf depths.	

IF YOU ARE IN ANY DOUBT REGARDING LOAD CAPACITIES, PLEASE CONTACT YOUR SUPPLIER

[†]UDL = Uniformly Distributed Load