

Guide to Assembly & Usage

Cantilever Racking



Information

If in doubt, contact the supplier



Read this Guide thoroughly before commencing assembly & retain for future reference



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



Assembly should be undertaken by at least two competent people



Tools – Drill, Drill Bits, Spanners, Sockets, Torque Wrench, String Line, Forklift, Spirit Level



Installers using plant to assist with the installation must have valid licenses



Caution

During assembly, ensure to:



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



Assemble & locate for use on a suitable level floor surface. Allow adequate working space



Dispose of packaging materials responsibly



Warning

Rules for the safe use of racking:



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



NEVER CLIMB ON THE STRUCTURE OR STAND ON THE ARMS

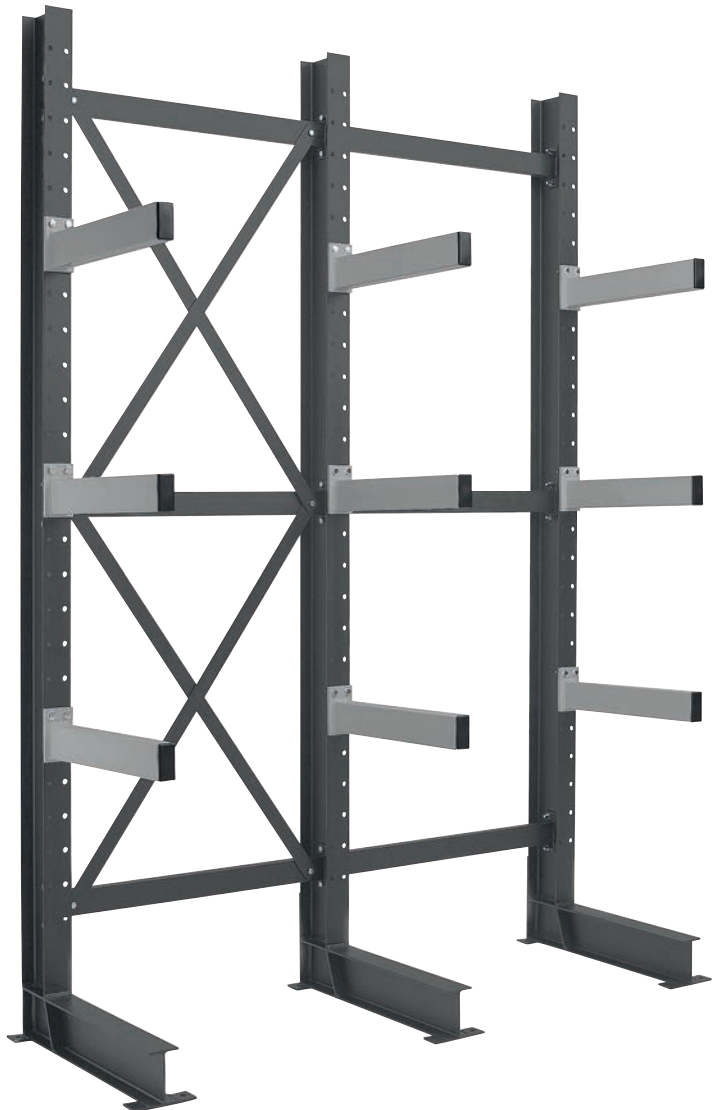


ALWAYS USE A SUITABLE METHOD TO REACH HIGH LEVELS



ENSURE THAT THE MAXIMUM LOAD CARRYING CAPACITIES ARE NOT EXCEEDED

Racking is safe when used responsibly.
If in doubt, contact the supplier



COMPONENT CHECK LIST

Component		Quantity
Uprights		See invoice pick list
CLR_UP		
Base		See invoice pick list
CLR_BASE		
Arm		See invoice pick list
CLR_ARM		
Horizontal Brace		See invoice pick list
CLR_HZB		
Diagonal Brace		See invoice pick list
CLR_DB		

Assembly - Cantilever Racking

- 1** Place the first two uprights close to the installation location on top of bearers that allow you to access the underside of the uprights



- 2** Align the feet with all anchor points facing the same way



- 3** Fix 6 bolts per foot with the nuts and washers on the inside of the frame



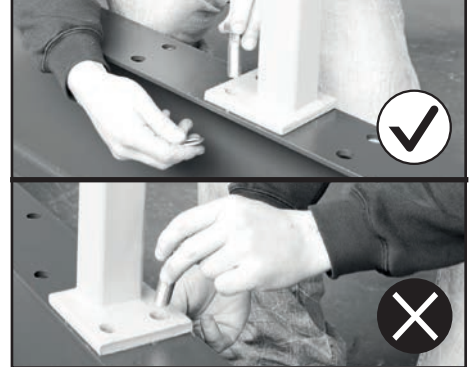
- 4** Fit end caps onto the open end of all arms by tapping down with a mallet



- 5** Measure spacing between arms and adjust to required distance



- 6** Fit bolts above arm



- 7** Torque all bolts to the relevant settings



- 8** Fixing information

Recommended Torque Details	
Bracing Fixings	M12 Fixings 98nm
Arm Fixings	M12 Fixings 98nm M16 Fixings 244nm
NB Washers to be fitted behind nuts at each location	
Floor Fixings	Refer to manufacturers detailed instructions (found in fixing box)

- 9** Measure the diagonal to make sure the uprights are square before adding the crossbraces and diagonal braces



- 10** Fit crossbrace and diagonal braces as per supplied diagram



- 11** Torque all bolts to the relevant settings



- 12** Fixing information

Recommended Torque Details	
Bracing Fixings	M12 Fixings 98nm
Arm Fixings	M12 Fixings 98nm M16 Fixings 244nm
NB Washers to be fitted behind nuts at each location	
Floor Fixings	Refer to manufacturers detailed instructions (found in fixing box)

Installation Instructions - Cantilever Racking

- 13** Slowly lift with a forklift from the top crossmember. Never lift more than one starter bay and one extension bay built at once



- 14** With a man watching each side, position the racking



- 15** Add shims as required to level, drill and locate floor anchors (do not tighten yet)



Adding an Extension Bay - Cantilever Racking

- 16** To add an extension bay to an existing rack, start by aligning the upright close to the rack on top of bearers that allow you to access the underside of the upright



- 17** Fit the arms and feet as per assembly instructions 2-8



- 18** Unbolt the lowest crossbrace and add the extension crossbrace to the other side of the upright



- 19** Lift the upright using either a strap around the top arm or by fitting an extra arm on the rear and lifting as close as possible to the upright



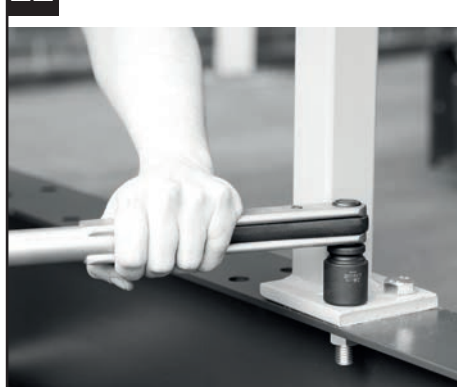
20

WHEN WORKING AT HEIGHT USE A SAFE WORKING METHOD AND TAKE ALL RELEVANT PRECAUTIONS

- 21** With the forklift in place, attach the remaining crossbraces by unbolting the adjacent brace and joining the two side by side



- 22** Torque all bolts to the relevant settings



- 23** Fixing information

Recommended Torque Details	
Bracing Fixings	M12 Fixings 98nm
Arm Fixings	M12 Fixings 98nm M16 Fixings 244nm
NB Washers to be fitted behind nuts at each location	
Floor Fixings	Refer to manufacturers detailed instructions (found in fixing box)

- 24**
- Once the run is complete check the alignment and level of the complete run, adding shims when required before tightening all floor anchors



Installation - Double Sided Cantilever Racking

25 Follow instructions 1- 15



26

**WHEN
WORKING AT
HEIGHT
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27

Once the racking is secured in the vertical position, starting at the top and working down fit the arms



28 Fit 6 bolts per foot with the nuts and washers on the inside of the frame



29 Torque all bolts to the relevant settings



30 Fixing information

Recommended Torque Details

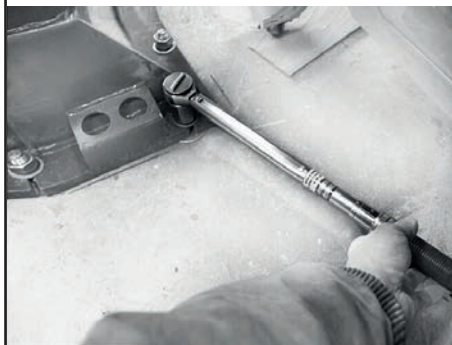
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Arm Fixings	M12 Fixings 98nm M16 Fixings 244nm
NB Washers to be fitted behind nuts at each location	
Floor Fixings	Refer to manufacturers detailed instructions (found in fixing box)

31

Add shims as required to level, drill and locate floor anchors



32 Only once the run is complete tighten all floor anchors to the manufacturer's instructions (found in fixing box)



33 Note: Illustrations not to scale

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