

# Ultima Longspan 2 Hand Loaded Shelving

## Installation Manual

DI-IM-14



# Ultima Longspan 2

## Installation Manual

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All installation work of this product shall comply with the relevant work health and safety legislation of the location in which the work is undertaken; installation is required to be accompanied by safe systems and methods of work.

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Australia

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| Manual No.          | <b>DI-IM-14</b>   |                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue/<br>Amendment | Date<br>Issued    | Description                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ISSUE 1</b>      | <b>Dec 2016</b>   | New Issue                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ISSUE 1A</b>     | <b>April 2017</b> | Revised Back of Store Detail                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ISSUE 1B</b>     | <b>June 2017</b>  | Revised HD Self and Shelf Support Brace Detail                                                                                                                                                                                                                                                                                                                                               |
| <b>ISSUE 1C</b>     | <b>July 2017</b>  | SHS Bracing and Light Duty Shelf                                                                                                                                                                                                                                                                                                                                                             |
| <b>ISSUE 1D</b>     | <b>Nov 2023</b>   | Added Swing door cabinet items: <ul style="list-style-type: none"> <li>- Added Swing door beams</li> <li>- Added Swing doors</li> <li>- Added Hinged back panels</li> <li>- Added Fixed back panels</li> <li>- Added Side panels</li> <li>- Added Fixed Top panels</li> </ul> Update Construction Tolerances<br>Update Floor Anchors<br>Update Shelf Support Bar<br>Update Shelf Support HD2 |
| <b>ISSUE 1E</b>     | <b>Sept 2025</b>  | <b>Added Drawer</b>                                                                                                                                                                                                                                                                                                                                                                          |

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## SECTION 1 INTRODUCTION

This manual provides guidelines for installing this product. The manual should be read and fully understood prior to going to site, and also used as a reference during the construction process. If any details require clarification contact your Dexion Construction Manager or nominated representative.

### CONSTRUCTION PACK

All details for the installation are to be supplied by Dexion to the installer prior to starting on site. **The installer must not start work on a site without the construction pack.**

There should be a formal handover of the project from Dexion to the installer.

The construction pack contains:

1. Construction details and drawings
2. Product installation manual
3. Pre-installation site hazard and risk assessment
4. Checklists - a number of checklists need to be completed:
  - a. Prior to Installation - this form is to be completed (by competent person), signed and handed back to Construction Manager prior to installation.
  - b. Prior to Frame Standing - this form is to be completed (by subcontractor), signed and handed back to Construction Manager prior to initial frame standing.
  - c. Prior to Client Handover - this form is to be completed (by Construction Manager) prior to client handover, matched with pre install checklist and filed in project file.
5. Project schedule
6. Dexion materials warehouse orders
7. Purchase order checklist
8. Drawing register
9. Project Installation (completion) Certificate
10. SWL Signage - a copy of the safe working load signs that are to be installed on the customer's installation, including maximum load details.
11. Weights - the weights of assembled frames, standard and made to order beams, and any auxiliary materials must be included.

## **SAFETY**

Whilst it is important to install the racking accurately and in an efficient manner, it is of greater importance to Dexion to achieve this in a safe working environment.

Attitudes towards Work Health and Safety are as important as other business qualities, and will be assessed regularly as part of the Dexion subcontractor prequalification process.

## **SITE HAZARD AND RISK ASSESSMENT**

Before the installation can commence, a site hazard and risk assessment must be carried out by a competent person to identify potential hazards and their impacts associated with working on the site, consequences and recommended control measures by either Dexion design, sales, construction, project management or installation subcontractor.

This site hazard and risk assessment must form part of the construction pack and a copy is to be kept on site. Once the assessment is completed, a site induction and tool box meeting must be held with all the installation crew, making them aware of any hazards on site. The document is to be signed off as read and understood by the installation crew.

## **SAFE WORK METHOD STATEMENTS (SWMS)**

Subcontractors using this manual must work to an approved SWMS to carry out the agreed scope of work.

Should a person have a difficulty in applying the SWMS, or there is conflict with the installation manual, or a better approach could be applied, the person is to contact the supervisor to have the instruction clarified.

Any work that deviates from the original installation methods must be covered by an appropriate SWMS.

## **PERSONAL PROTECTIVE EQUIPMENT**

For your safety correct personal protective equipment (PPE) must be worn as nominated in 'The Dexion PPE policy'

## **INCIDENT REPORTING**

It is important that **ALL** incidents on site are reported to Dexion within four hours of the incident occurring. Reportable injuries:

- First aid injury
- Near miss / Dangerous occurrence
- Medically treated injury
- Lost time injury

## **CONSULTATION**

It is a Dexion requirement for all subcontractors to conduct a short daily pre-start tool box talk with all crew members, making sure all hazards and risks are identified and discussed for every work area.

## **TRAINING**

The subcontractor is to ensure that all of their workers have been trained in safe installation methods for Dexion products, safe use of tools and equipment, and are deemed competent to carry out the work. Competency records of workers must be held on site.

## **COMPONENT KNOWLEDGE**

It is important to have a thorough knowledge of components used in this structure and how they interact with one another. Together with marking out, assembly and standing techniques for the structure, getting the installation level and plumb, packing and floor fixing. It is vitally important that the subcontractor and all of their employees are competent and proficient in carrying out these duties.

*Refer to Section 4 for component details.*

## **RULES FOR SHELVING INSTALLATION**

1. Always finish as you go.
2. Always check as you go
3. Always measure twice and fix once
4. Always do as much preparation on the ground as possible
5. Providing a risk assessment has been carried out and safe manual handling techniques are used at all times, as stated in the safe working method statements, smaller lighter frames can be raised manually, from the horizontal to the vertical, without the use of a lifting jig.

## **QUALITY CHECK**

On completion of the installation and prior to handing over the installation to the client, a Dexion representative, together with the installer, must carry out a quality check of the installation.

## **COMPLETION CERTIFICATE**

On completion of the quality check and a walkthrough of the installation it is important that a Completion Certificate, including any pertinent notes for the installation, be signed by the client.

## IMPROVEMENT FEEDBACK

It is important that Dexion be advised of improvements to safety and methodology by the installers, enabling installation manuals to be kept up to date.

## PRODUCT OVERVIEW

Ultima Longspan 2 single tier is a heavy duty, adjustable shelving system, which is generally used for hand loaded applications accessed direct from floor level, or via small steps.

### Basic System

#### Frames

Frames are constructed using a pair of uprights, frame bracing, base plates and fixings.

#### Beams

Horizontal load-bearing members with hook connectors designed to locate into slots in the front face of the upright. Beams can be adjusted in 50mm intervals. Beams are secured with safety locks where there is potential for them to be accidentally dislodged.



This is a hand loaded product and is not suitable for loading by forklift.



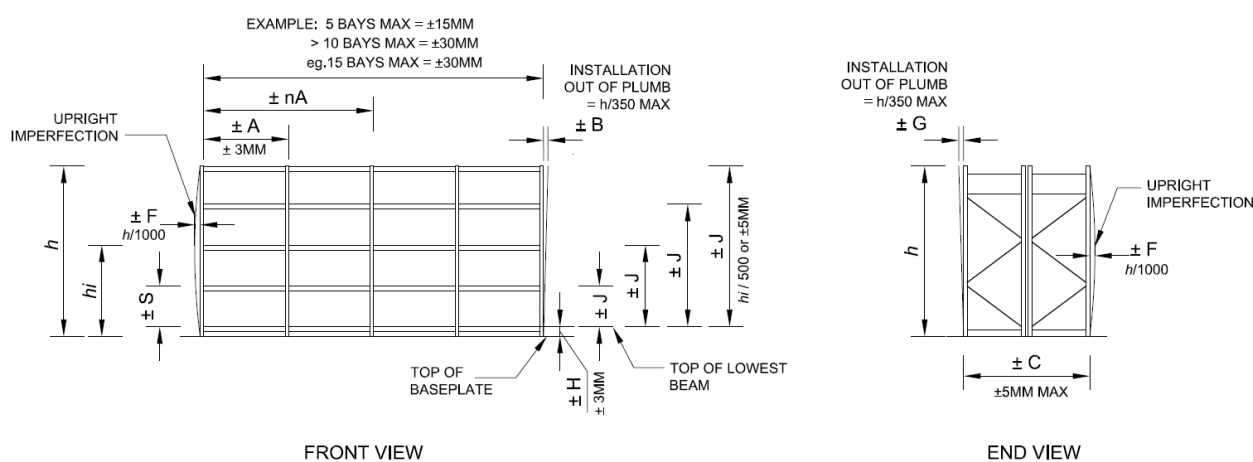
*Refer to Section 4 for component details*

## DIMENSIONS

Dimensions within this manual are in millimetres (mm).

## SECTION 2 CONSTRUCTION TOLERANCES

Ultima Longspan 2 single tier shelving is generally used in hand loaded applications accessed direct from floor level, or via small steps. Construction must comply with the following tolerances.



| Reference                    | Description                                                                                                                                                                                                                      | Tolerance          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Horizontal Tolerances</b> |                                                                                                                                                                                                                                  |                    |
| <b>A</b>                     | Maximum variation in individual bays.                                                                                                                                                                                            | $\pm 3.0\text{mm}$ |
|                              | Maximum total cumulative deviation in racking length<br>( $nA$ = total deviation, where $n$ is the number of bays)                                                                                                               | $\pm 30\text{mm}$  |
| <b>B</b>                     | Maximum out of plumb upright perpendicular to the plane of the upright frame.                                                                                                                                                    | $h / 350$          |
| <b>C</b>                     | Rack depth (single or double frames).                                                                                                                                                                                            | $\pm 5.0\text{mm}$ |
| <b>F</b>                     | Maximum imperfection of upright with regard to the theoretical longitudinal axes $x$ or $y$                                                                                                                                      | $h / 1000$         |
| <b>G</b>                     | Maximum out of plumb of upright in the plane of the upright frame.                                                                                                                                                               | $h / 350$          |
| <b>Vertical Tolerances</b>   |                                                                                                                                                                                                                                  |                    |
| <b>* H</b>                   | Distance between top of base plate and lowest beam / shelf level.                                                                                                                                                                | $\pm 3.0\text{mm}$ |
| <b>J</b>                     | Maximum deviation of beam / shelf level with regard to the lowest beam / shelf level.                                                                                                                                            | $\pm 1/250$        |
| <b>S</b>                     | Maximum deviation of vertical beam / shelf spacing                                                                                                                                                                               | $\pm 5.0\text{mm}$ |
| <b>Note:</b>                 | <p>* Denotes Dexion recommendation</p> <p><math>h</math> Is the distance to the topmost level. <math>hi</math> is the distance to relevant beam / shelf level.</p> <p><b>These tolerances are measured prior to loading.</b></p> |                    |

## SECTION 3 CONSTRUCTION

### ESTABLISHING LEVELS

The floor must be checked for level regardless of the type of racking structure to be installed.

The position of every rack upright along the run is to be surveyed for its relative level by using a dumpy, theodolite, laser or similar calibrated instrument. Establish a high point and ensure that the racking system is built to tolerance.

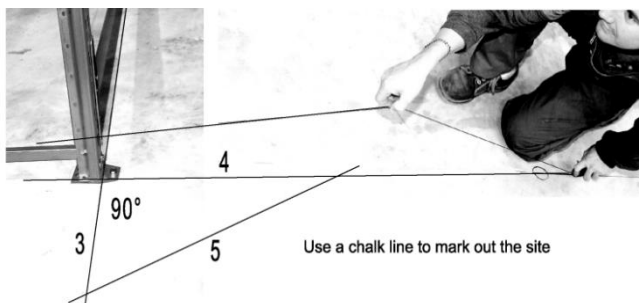
### MEASURING AND MARKING OUT THE SITE

This should be undertaken at the beginning of each phase of the erection, using datum(s) provided in the construction pack. Checks should be made at this early stage to ensure that the racking fits the building. **If a datum is unclear clarify with Dexion before marking out.**

#### 3-4-5 PRINCIPLE

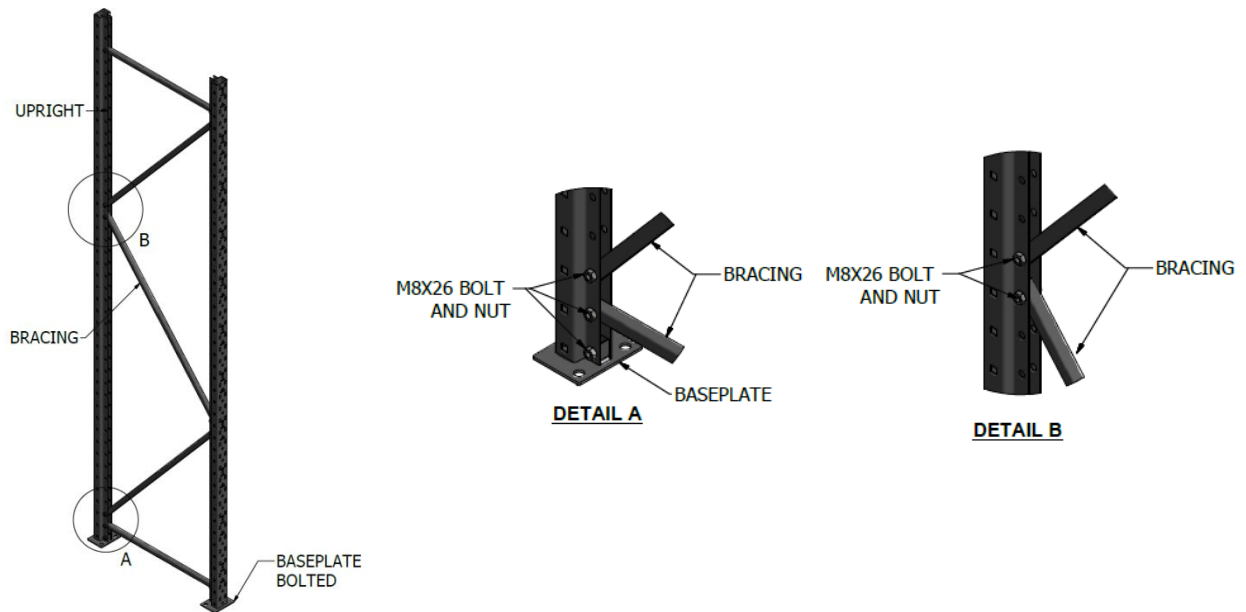
To make certain that racks are perfectly square and parallel use the simple 3-4-5 technique.

1. Pick a position where the right angles triangle is to be set on the ground, e.g. off a wall or another rack.
2. Mark a set distance off the wall or rack e.g. 200mm, at two points (4 metres, or greater) and snap a chalk line between the two points.
3. Take a set square or builders square. Lay the square flat, with one side sitting on the chalk line. On the other side of the square, running at 90 degrees to the chalk line, mark a line against the edge of the square.
4. Snap a chalk line along this line, making sure that it intercepts the first chalk line.
5. At the point where the two chalk lines intersect, along one line measure 3 metres and mark the spot. On the other line mark measure out 4 metres and mark the spot.
6. With a measuring tape, measure the distance between the 3 and 4 metre marks, which should be 5 metres, giving a perfect right angled triangle.
7. If the dimension between these two points is greater or less than 5 metres then either the 3 or 4 metre line needs to be adjusted in or out.
8. Caution should be taken when adjusting these lines especially, if one has been marked off the wall. If the wall is severely out of alignment the rack will follow the line of the wall, which may affect the overall installation.



**Alternatively,** a right angled triangle can be laid with the use of a laser or theodolite and used as a perpetual datum to work off.

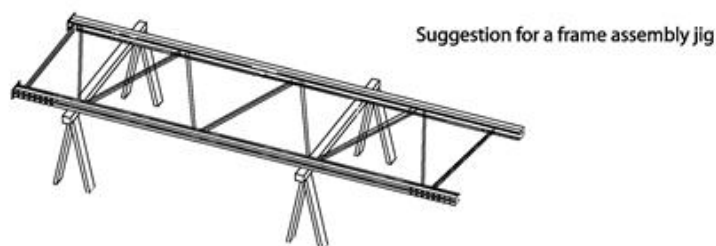
## FRAME SUB-ASSEMBLY



*Refer to project specific layout drawings for frame bracing configuration details.*

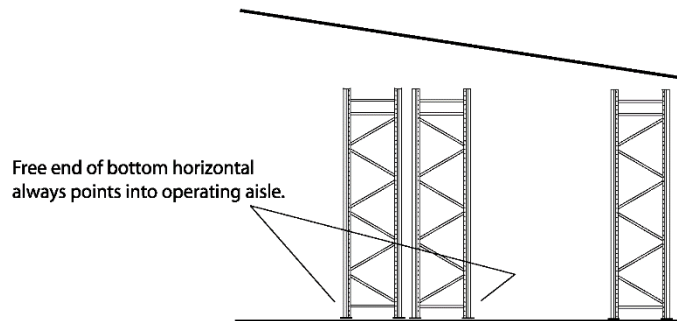
The assembly of all frames can be broken down into the following operations:

1. Set up a framing bench to use as a stable platform to build frames on.
2. Move frame components close to the bench to enable efficient assembly of the frames.
3. Lay two like grade uprights on the framing bench.
4. Pick up and assemble base plates to both uprights, using M8 x 26 bolts & nuts supplied.  
*Refer Components section in this manual.*
5. Fit the horizontal and diagonal bracing between the rear flanges of the uprights and fix using M8 x 26 button socket head bolts and hex nuts supplied, leaving them finger tight.
6. Tighten bracing using impact wrench. It is preferable to tighten across the frame, rather than along the frame to help eliminate any potential frame twist.
- ! The recommended tightening torque on the bracing bolts & nuts is 12.5 Nm.
7. The completed frame is then lifted from the jig using an appropriate lifting method and placed on a stack.



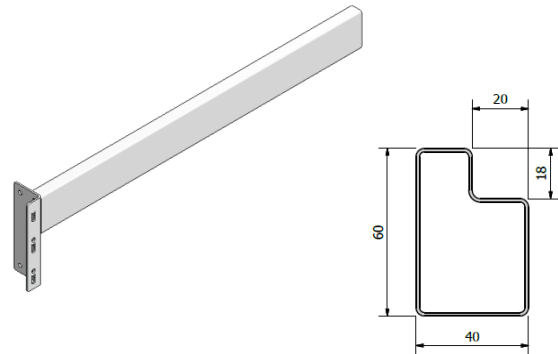
## FRAME ORIENTATION

The free end of the bottom horizontal always points into the operating aisle.



## BEAM ORIENTATION

The step beam is installed with the step upward (as shown) when particleboard, steel or mesh shelves are used.



## ERECTING SINGLE TIER SHELVING

Assembled frames are raised into position and beams fitted at appropriate levels. Generally smaller low rise installations can be raised manually, whilst larger and taller installations will need the assistance of specialist lifting equipment such as fork trucks and scissor lifts.

### Step 1



Stand end frames and fit bottom beams.

### Step 2

*Photos are illustrative only. Correct PPE must be worn.*

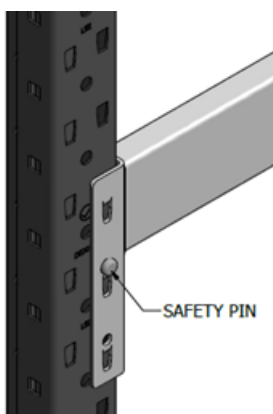


Fit remaining front and rear beam levels. Repeat steps for adjoining bays.



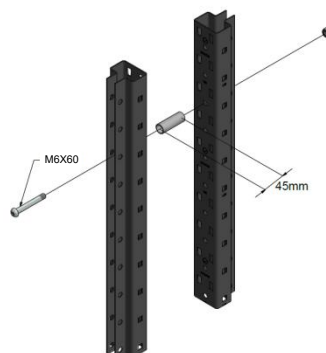
Always ensure beam end connector hooks are fully engaged in upright slots

### Step 3



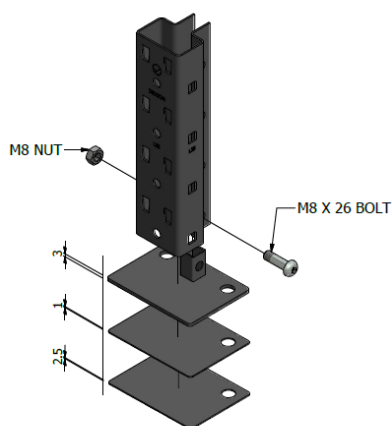
Fit beam safety pins as shown above.

### Step 4



Double entry runs of racking require a frame spacer between the two frames. Fit spacers close to top, bottom and intermediate bracing node points, not more than 2400mm apart. Fix through uprights and spacers using M6 x 60 bolts and nuts supplied.

### Step 5



Level the rack using levelling plates under the base plates.



- Levelling plates should not be stacked higher than 20mm.
- Level and plumb rack to achieve the build tolerances specified in this manual. See *Section 2 - Construction Tolerances*.

### Step 6



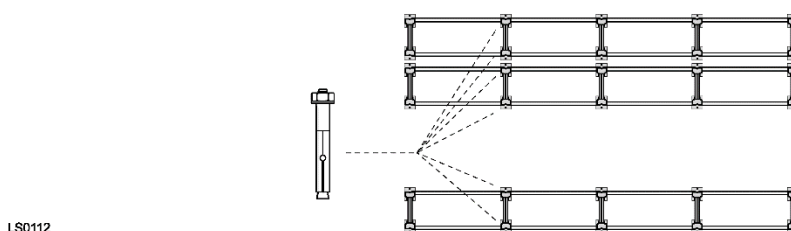
Where required, fit support bars under particle board shelves. See *Section 4 - Shelf Support Bars*.

Lay particle board or steel shelves between the retaining lips of the beams.

*Photo illustrative only. Correct PPE must be worn.*

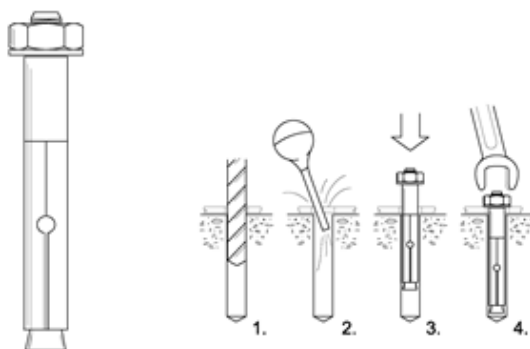
## FLOOR FIXING

For frame height to width ratios not greater than 10:1 all uprights must be fixed to the floor. No rack should have a ratio greater than 10 to 1. For racks with frame height to width ratios not greater than 4:1, are no taller than 2400mm, and are hand-loaded where no mechanical handling equipment can approach, and provided that ladders etc are not leant against the rack, no floor fixings are required.

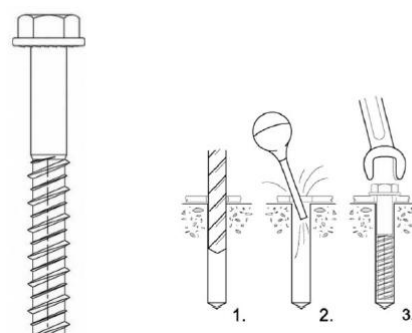


Fix base plates to the concrete floor through holes provided in base plate and levellers with minimum 10mm x 50mm approved sleeve/ screw anchors.

- Always set the drill depth 10mm deeper than the embedment depth of the floor anchor.
- With the rack now level and plumb, using 10mm drill bit and a rotary hammer drill proceed to drill the floor anchor hole, passing through the dedicated holes in the base plate and levelling plates.
- Clean the concrete debris out of the hole by raising the drill bit up and down the hole while drilling.
- Check the hole is to the correct depth.
- Clean the concrete dust from around the hole, preferably using an industrial vacuum.
- Knock/ align the anchor into the hole and tighten.



SLEEVE ANCHOR FLOOR FIXING DETAILS



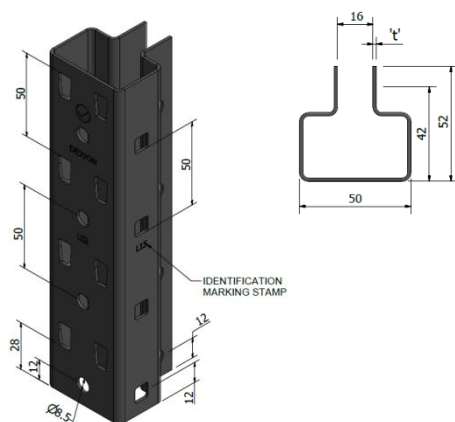
SCREW ANCHOR FLOOR FIXING DETAILS



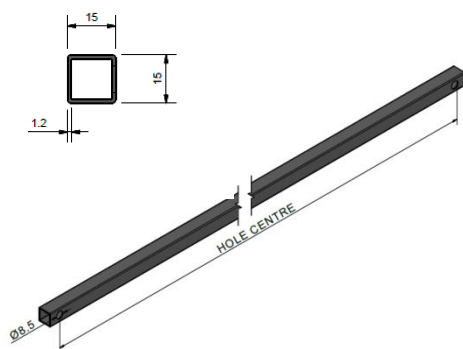
1. Anchor embedment:
  - Sleeve anchor must be at least 50mm into floor.
  - Screw anchor must be at least 35mm into floor.
2. Fastening thickness should not exceed 22mm.

## SECTION 4 COMPONENTS

### UPRIGHTS



| Upright Grade | Thickness (mm) |
|---------------|----------------|
| L15           | 1.5            |
| L20           | 2.0            |



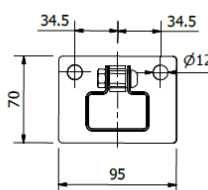
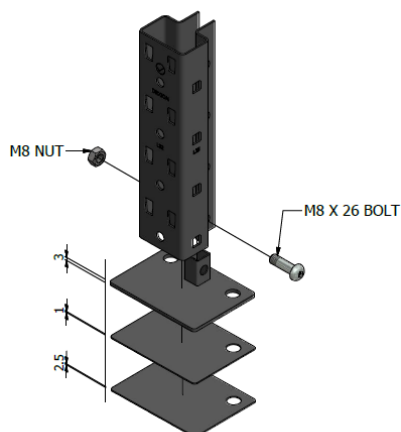
### FRAME BRACING

There are two frame bracing types:

Thickness: 1.2mm

### BASEPLATE & LEVELLING PLATES

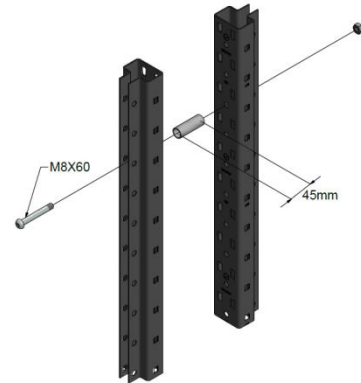
Baseplate: 3.0mm  
Levelling Plates: 1.0 and 2.5mm



## FRAME SPACER

Frame spacer provides sufficient space for the baseplates and permits beam level adjustment between frames of double entry racks.

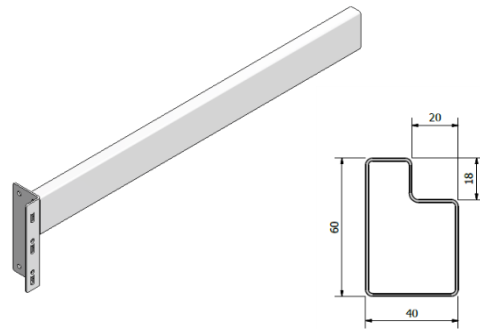
Spacer 16mm dia. x 45mm long



## STEP BEAM

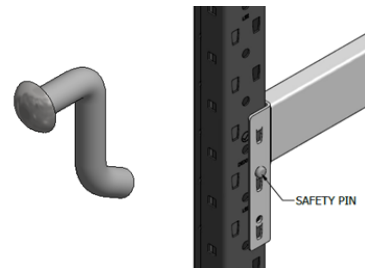
Beam with pair of hooks at both ends which locate into slots in upright.

Lengths: 900, 1200, 1500, 1800, 2100, 2400mm



## BEAM SAFETY PIN

Safety pins fitted to holes in upright to lock beams where there is potential for beams to be accidentally dislodged during use.



## FASTENERS



BRACING BOLT  
& NUT M8X26



SLEEVE ANCHOR  
P10X50



SLEEVE ANCHOR  
P10X75



SCREW ANCHOR  
P10X50

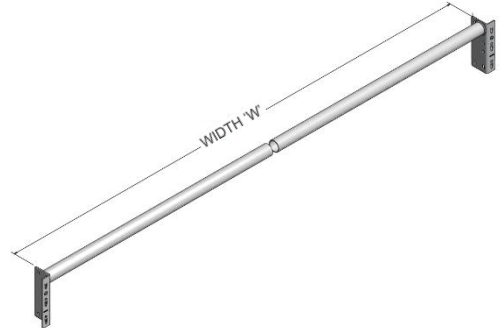


FRAME SPACER  
BOLT & NUT M6X60

## BEAM RAIL

Beam rail is strictly for retail application for hanging clothes with the use of hangers, which connects directly to the upright with the use of the BEC.

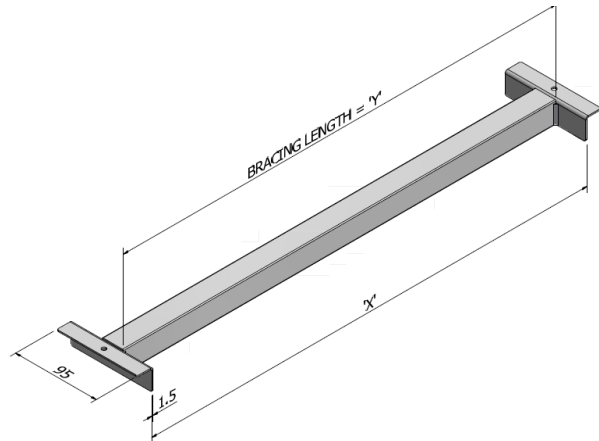
Rail widths are 893, 1193, 1493, 1793, 2093, 2393mm



## SHELF SUPPORT BARS

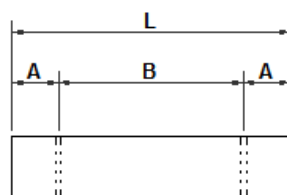
Support bars are fitted front to back between the beams to increase the load capacity of particleboard shelves.

Refer to project specific construction documents for number of support bars required per beam level.

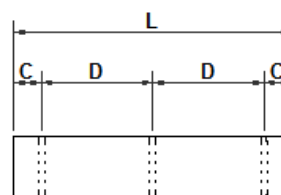


The following table and diagrams shows support bar spacing for different beam lengths.

| Beam Clear Entry (CE) | Board Length (L) | 2 Shelf Support |      | 3 Shelf Support |     |
|-----------------------|------------------|-----------------|------|-----------------|-----|
|                       |                  | A               | B    | C               | D   |
| 900                   | 880              | 145             | 590  | 90              | 350 |
| 1200                  | 1180             | 195             | 790  | 120             | 470 |
| 1500                  | 1480             | 245             | 990  | 150             | 590 |
| 1800                  | 1780             | 295             | 1190 | 180             | 710 |
| 2100                  | 2080             | 345             | 1390 | 210             | 830 |
| 2400                  | 2380             | 395             | 1590 | 240             | 950 |



TWO SHELF SUPPORTS

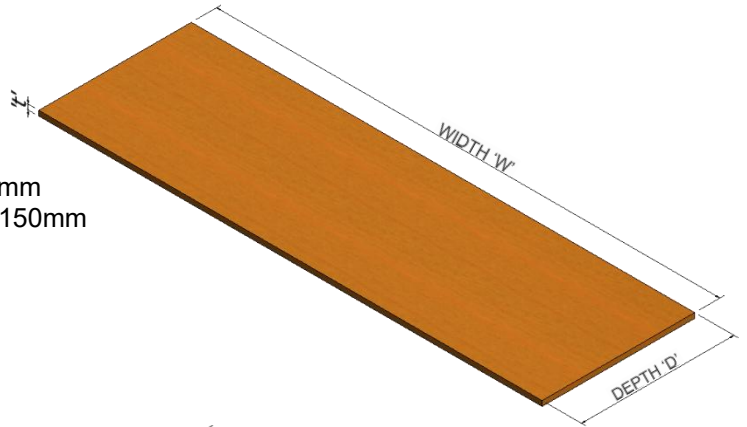


THREE SHELF SUPPORTS

## PARTICLE BOARD SHELVING

Each storage level is fitted with one particle board shelf. Shelves sit on the step of the step beams.

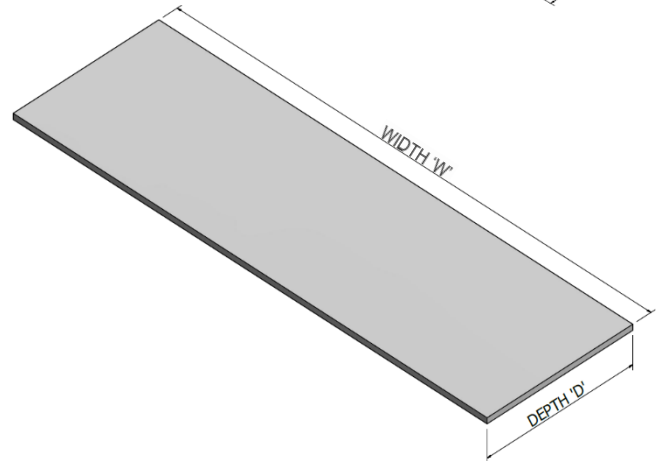
Lengths: 880, 1180, 1480, 1780, 2080, 2380mm  
Widths: 350, 400, 450, 550, 650, 710, 850, 1150mm



## MELAMINE BOARD SHELVING

Each storage level is fitted with one melamine board shelf. Shelves sit on the step beams.

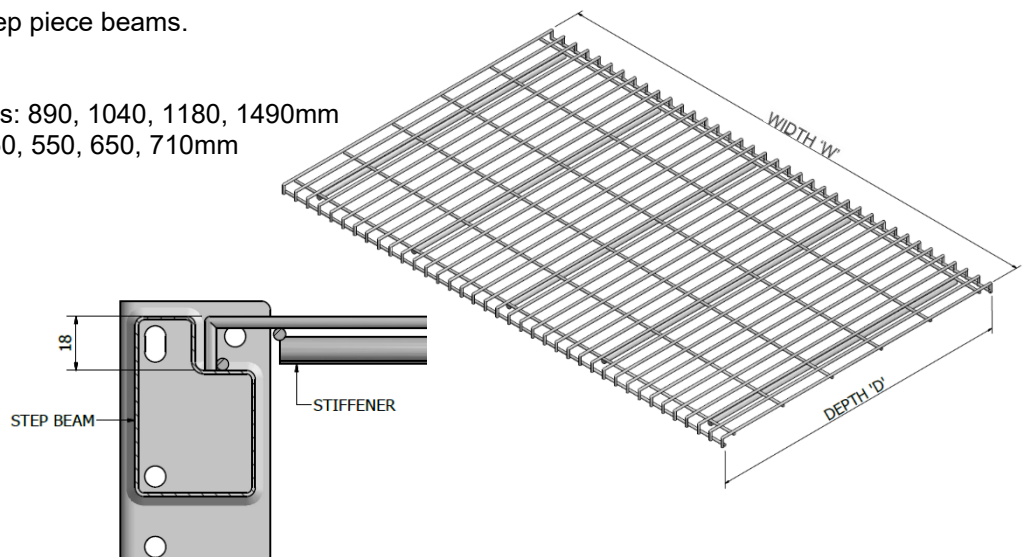
Lengths: 880, 1180, 1480, 1780, 2080, 2380mm  
Widths: 350, 400, 450, 550, 650, 710, 850, 1150mm



## MESH SHELVES

Each storage level is fitted with one or two individual shelves. Shelves sit on the step piece beams.

Individual shelf widths: 890, 1040, 1180, 1490mm  
Depths: 350, 400, 450, 550, 650, 710mm

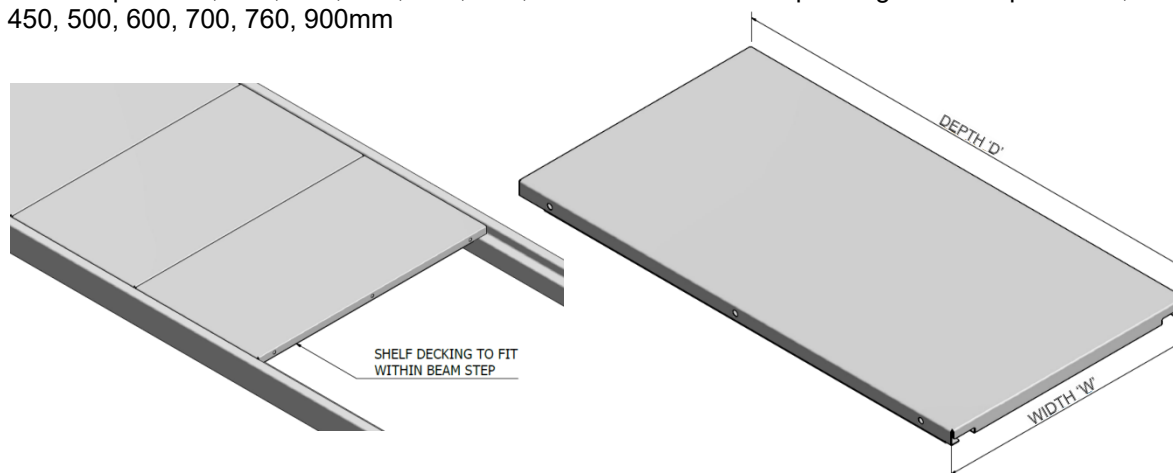


## METAL SHELVES

Each storage level is fitted with multiple shelves. Shelves sit on the step of the step beams.

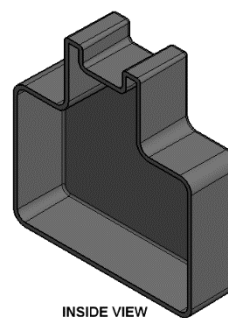
Individual shelf width: 295, 595mm

Shelf Depth: 351, 401, 451, 551, 651, 711, 851mm to suit corresponding frame depths: 400, 450, 500, 600, 700, 760, 900mm



## UPRIGHT END CAP

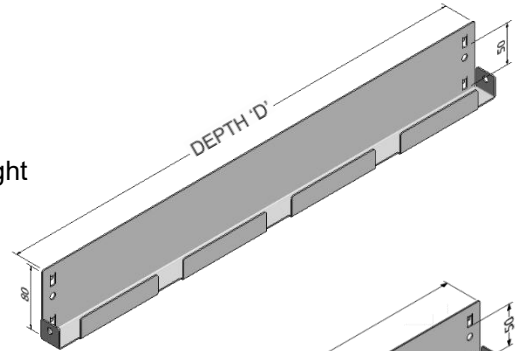
Plastic cap to cover the exposed ends of uprights.



### SHELF SUPPORT HD

Shelf support HD provides a hooked connection on the Upright to support Shelf HD, Shelf Support Brace and Hang rails.

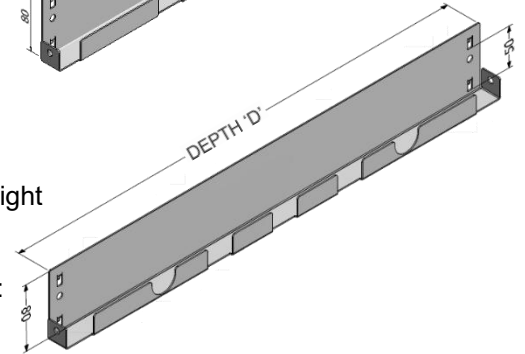
Shelf support HD lengths designed to suit the frame widths: 400, 450, 500, 600, 700, 760 & 900mm.



### SHELF SUPPORT HD2

Shelf support HD2 provides a hooked connection on the Upright to support Shelf HD, Shelf Support Brace and Hang rails.

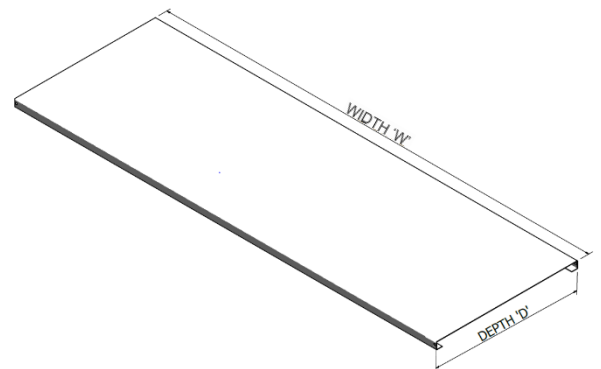
Shelf support HD2 lengths designed to suit the frame widths: 700, 760 & 900mm.



### SHELF HD

Shelf HD is for retail application, connects to the shelf support HD or HD2 section and is reinforced by the shelf brace located on the bottom centre of the shelf.

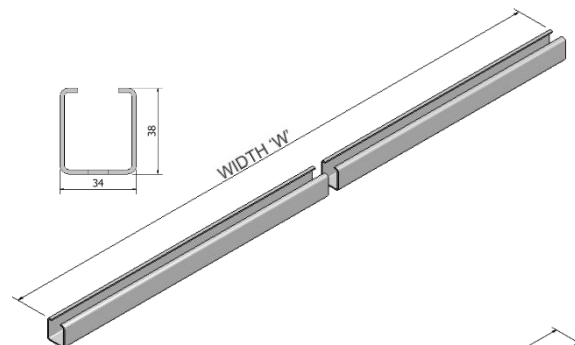
Shelf widths are 895, 1045, 1195, 1495, 1795mm



### SHELF SUPPORT BRACE

Shelf support brace is a simple support for the Shelf HD, which connects to the middle slot of the shelf support HD or HD2 section.

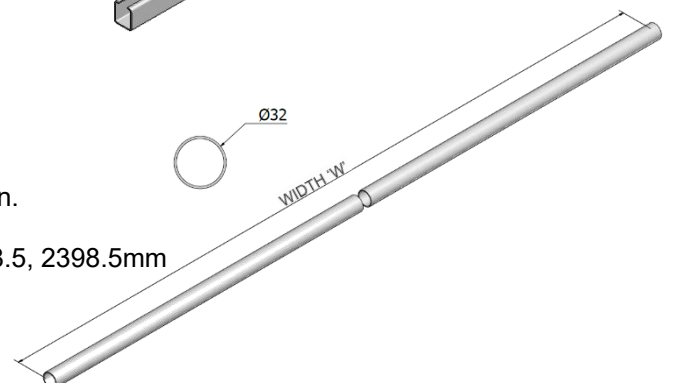
Brace lengths are 893, 1193, 1493, 1793mm



### HANG RAIL

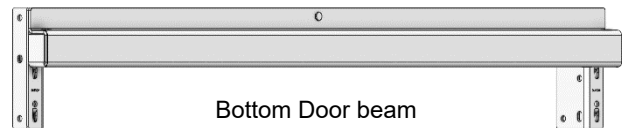
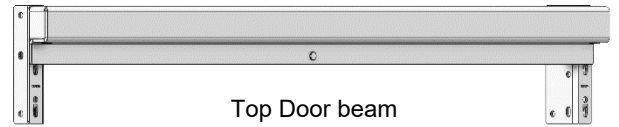
Hang rail is strictly for retail application for hanging clothes with the use of hangers, which connects to several slots on the shelf support HD or HD2 section.

Rail widths are 898.5, 1198.5, 1498.5, 1798.5, 2098.5, 2398.5mm



## SWING DOOR KIT

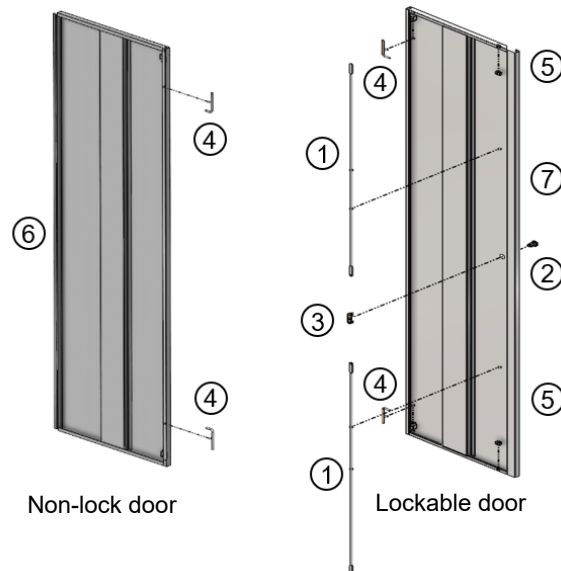
Top and Bottom door beams fit between uprights as per standard step beam connection method. Lock the door beams into place with safety pins



Swing Doors include 1x Lockable door & 1x non-lock door. Lockable door can be positioned on either LHS or RHS.

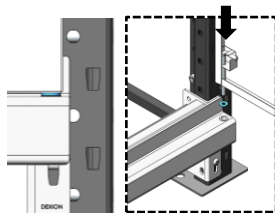
Door Components:

1. Lock rod (2)
2. Swing door lock
3. Lock bracket
4. Pin hinge (4)
5. Lock guide (2)
6. non-lock door
7. Lockable door



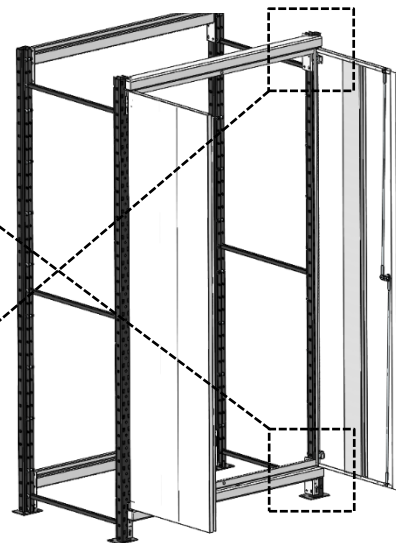
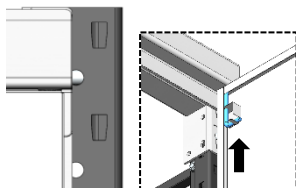
Door hinge connection details (Bottom):

- a) Insert Nylon washer over Pin Hinge
- b) Slide Pin Hinge into door beam bush
- c) Push tab to lock Pin hinges



Door hinge connection details (Top):

- a) Align Pin hinge hole with door beam bush
- b) Push tab to lock Pin hinges

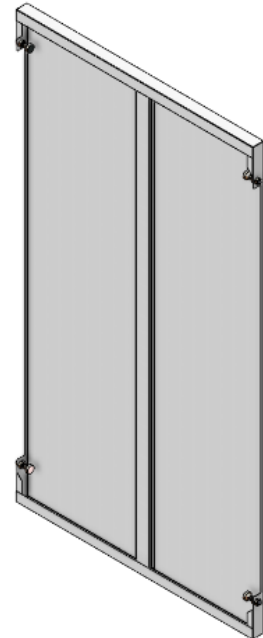
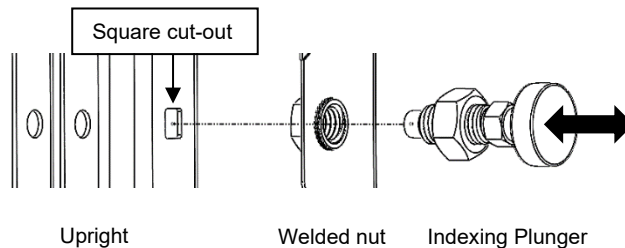


## HINGED BACK PANEL

Hinged back panels include 4x M12 Indexing Plungers that insert into welded nuts, facing outwards. Indexing plungers can be adjusted to increase or decrease tolerances.

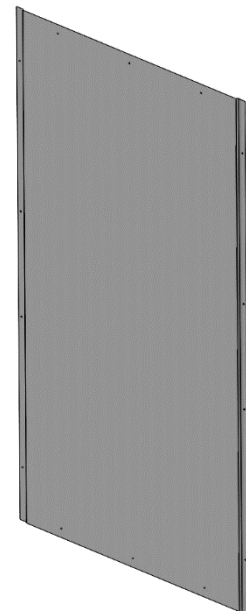
Tighten internal fastening nut to lock into place once the Indexing Plunger is visibly protruding outward. Ensure Plunger accessibility is on this inside of shelving

Hinged back panels fit between uprights and step beams. Secure into place by retracting the Indexing plungers, aligning with the square cut-outs in the uprights and releasing the plunger.



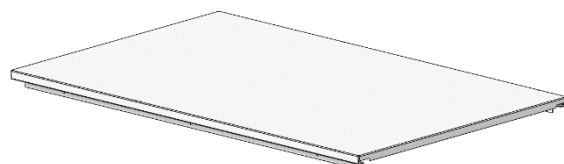
## FIXED BACK PANEL

Fixed back panels secure to rear of shelving using 12G Self drilling screws (Tek screws). Tek screws fix to uprights / Top & Bottom beams.



## FIXED TOP PANEL

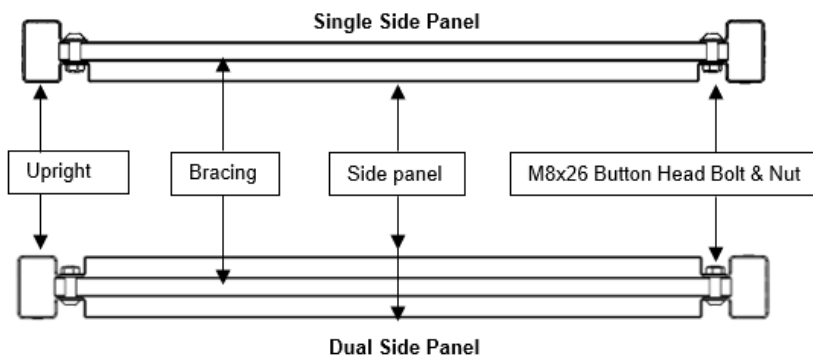
Fixed top panels are fixed using 12G Self-drilling screws (Tek screws) on the underside edge and secure into the inside face of step beams.



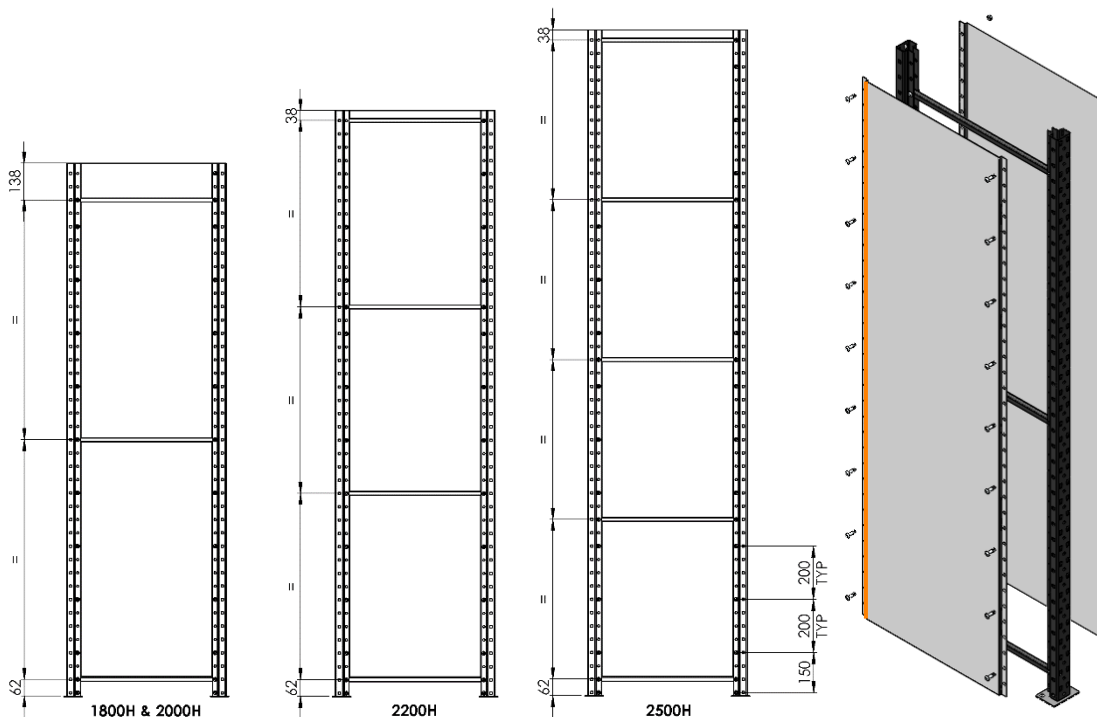
## SIDE PANEL - STANDARD

For standard assembly, Side panels must be installed during Longspan2 frame assembly, using upright bracing holes, frame bracing holes, baseplate holes and fixings. Use single side panel, positioned at internal side of upright for end-of-aisle frames. Dual panels can be assembled at both sides of uprights for mid-aisle frames.

Follow Side Panel Bracing Configurations for frame bracing contingent to upright height and assemble side panel with frame components. Fixings must be secured at (minimum) 200mm intervals.

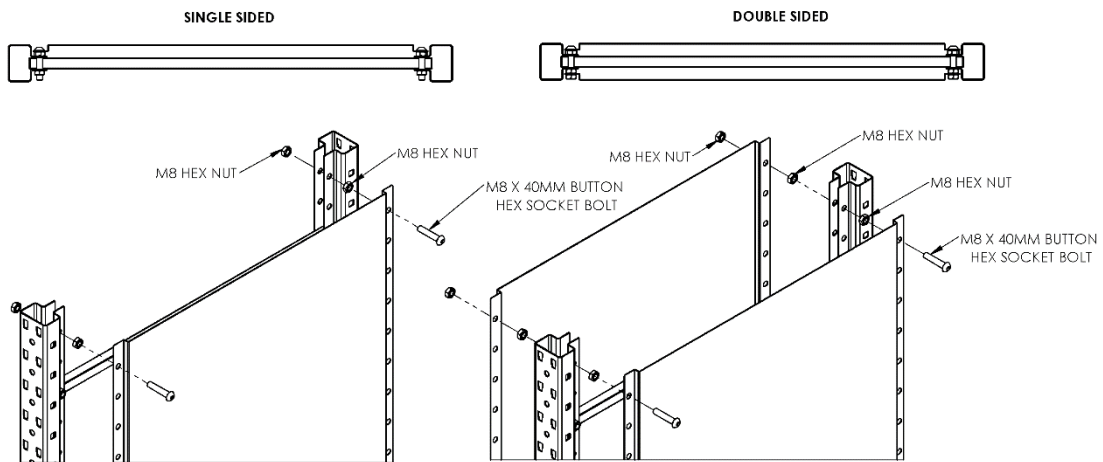
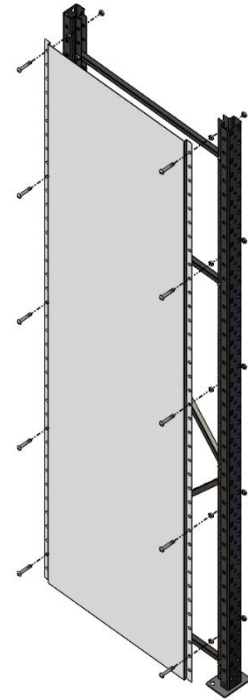
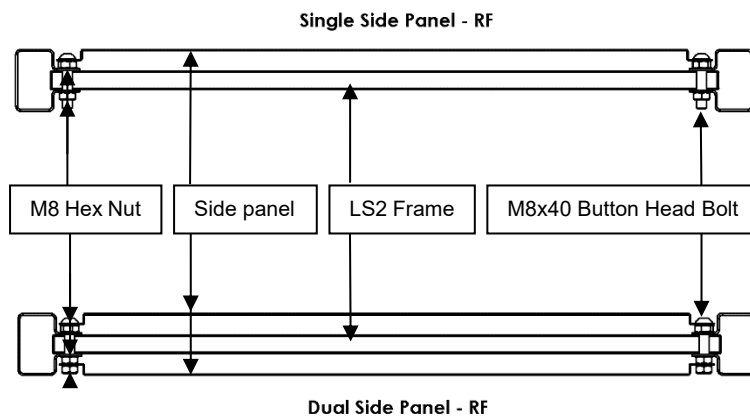


## Side Panel Bracing Configurations



## SIDE PANEL - RETROFIT

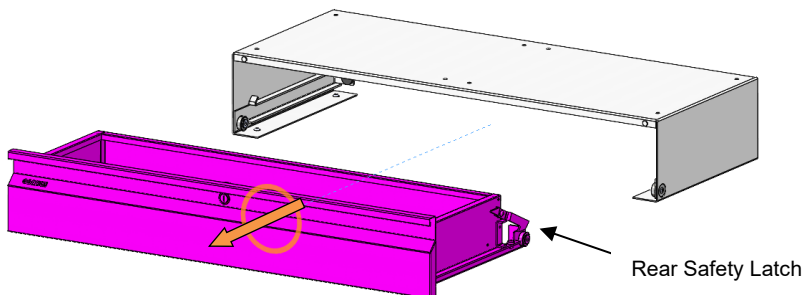
Retro-fitted Side panels are fixed over pre-built Longspan2 Frames using the Retrofit fixing kit through bracing holes. This kit includes M8x40mm full thread bolts and M8 Hex Nuts to be secured in ten equally spaced locations (5 fixings on each upright). These bolts have an extended length and full thread to accommodate for additional M8 nuts (which serve as a spacer) to ensure the panel clears the existing bolt heads.



## DRAWER

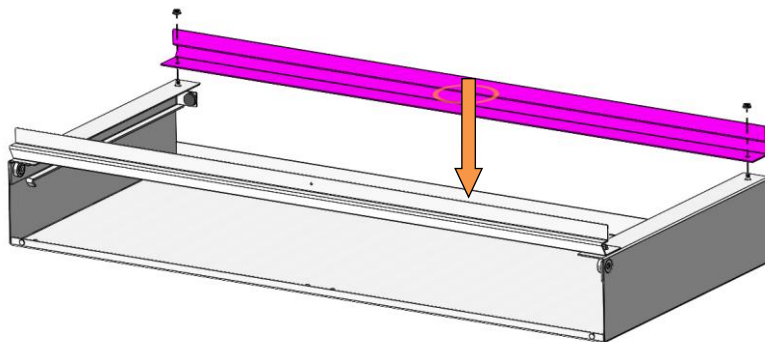
Drawers are packaged as an assembled unit to ensure all parts and fixings are contained within the drawer for simple installation.

1. Remove Drawer from the outer Drawer Shell by pulling the handle and pressing down the rear safety latch to separate parts.

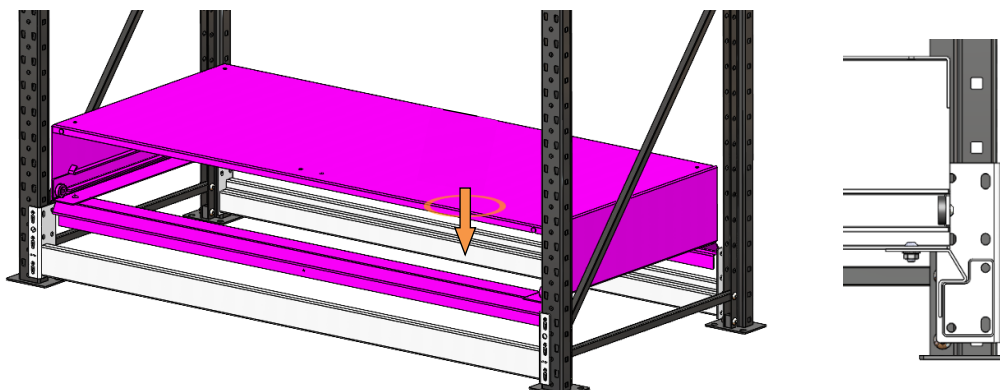


2. Assemble Bottom Beam mounts (2) to front and back of Drawer Shell with included M6 Button Head Hex Bolts & M6 Flange Nuts.

**NOTE: Do not completely tighten fixings with tools, loosely tighten for later adjustment.**



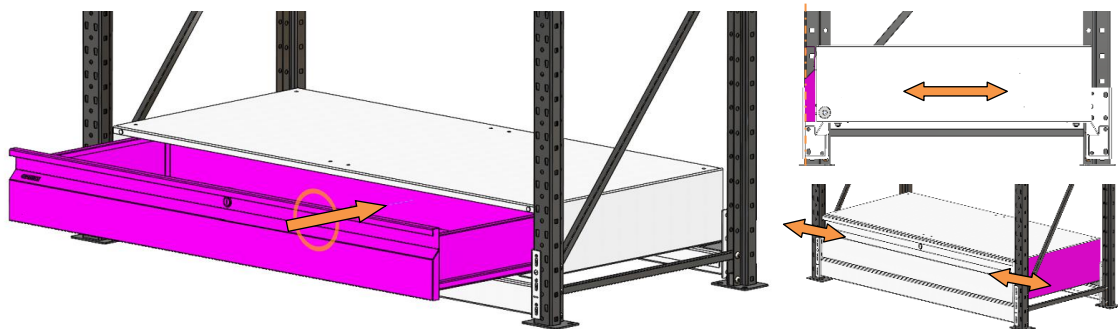
3. Place onto Step Beam (Max Drop), centre and secure to beams with Tek screws.



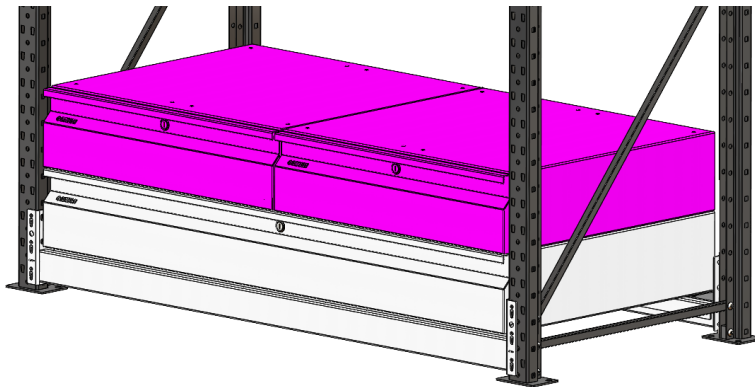
4. Slide Drawer into Drawer Shell to review Drawer positioning within the rack. Firstly, align the front of the Drawer parallel with the front of the step beam below.

Secondly, review side to side movement of drawer when opening and closing. To reduce or increase the tolerance on either side of the drawer, pull or push drawer shell sides and hold position before tightening fixings.

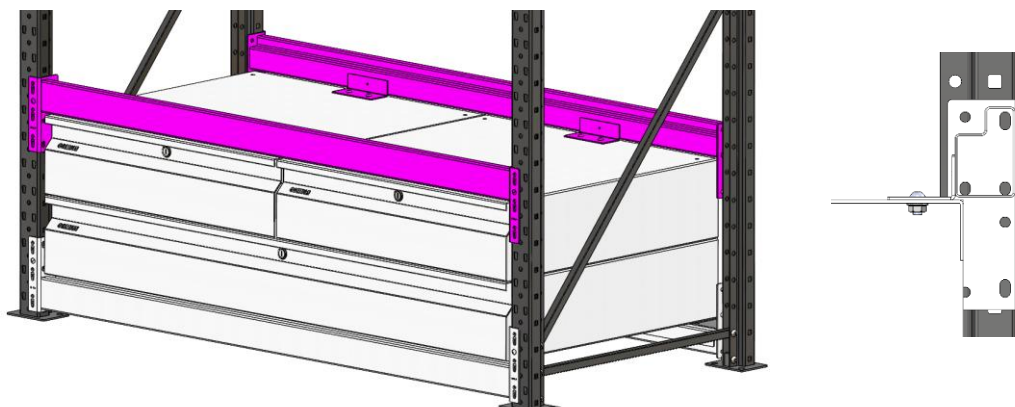
**NOTE: Tolerance should be as tight as possible without obstructing drawer path.**



5. Install the remaining Drawer levels to rack with included fixings. Repeat the step above for all drawers.



6. Once all the top-level Drawers have been added, install Top Beam Mount Kits - Tek screwed to standard Step beams. (Front and rear on each Drawer at top-level)



## SECTION A APPENDICES

### APPENDIX A - SHELVING LOAD SIGN



### SAFE WORKING LOADS

#### SHELVING



Conduct regular INSPECTIONS to check for:

- Correct application & use.
- Loads within allowable safe limits.
- Accidental damage to or dislodgement of structure components.
- Ensure all components are correctly fitted and located.



DO NOT climb on the structure.



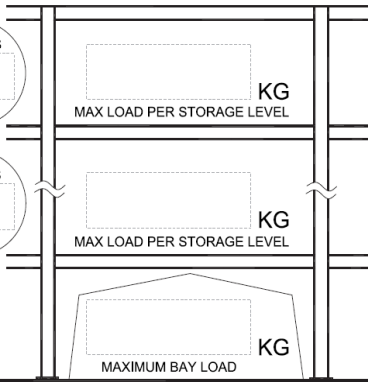
Do NOT alter structure without checking manufacturers technical data.  
If in doubt ALWAYS contact your equipment supplier.

ALL LOADS TO BE UNIFORMLY DISTRIBUTED

LEVELS

LEVELS

1-



MAX LOAD PER STORAGE LEVEL

KG

MAX LOAD PER STORAGE LEVEL

KG

MAXIMUM BAY LOAD

KG

SITE ADDRESS & ZONE LOCATION:

INSTALLATION DATE:

EQUIPMENT SUPPLIED BY:

EQUIPMENT MANUFACTURED BY DEXION (AUSTRALIA) PTY LTD

Load signs should be fitted at regular intervals and displayed in prominent positions where they are clearly visible. *Refer to Construction Pack for details.*