

Guide to Assembly & Usage

PART NUMBER: SXSHELVINGASSY. ISSUE 3. 8.05

Just/Stockrax Shelving Bays



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 two competent people, preferably suitably trained shelving installers.



Tools - rubber or plastic faced mallet, broad blade screwdriver.



Assess for floor fixing - tall, narrow bays may require this to ensure stability - refer to back page.



Caution

During assembly, ensure to:



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



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



Dispose of packaging materials responsibly.



Health & Safety

Rules for the 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 SHELVES.



DO NOT LEAN OR SUPPORT LADDERS, STEPS OR OTHER OBJECTS AGAINST SHELVING.



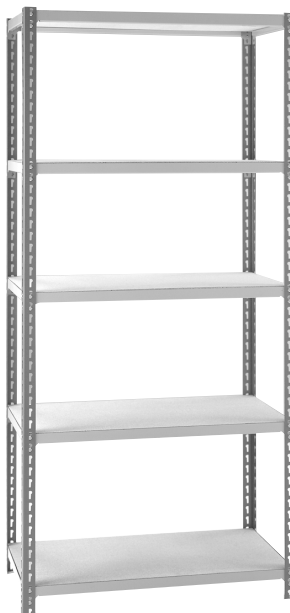
ALWAYS USE SAFETY STEPS TO REACH HIGH SHELVES.









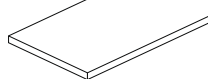
LOADING - Ensure that all loads are hand-loaded, safely & equally distributed across each shelf and evenly throughout a shelving bay when fully loaded. When partially loaded, it is recommended that the lowest shelves are used first. Do not allow upper shelves to be heavily loaded, whilst lower shelves are empty. **ENSURE THAT THE MAXIMUM LOAD CARRYING CAPACITIES (SHOWN ON THE BACK OF THIS LEAFLET) ARE NOT EXCEEDED.**

**Shelving is safe when used responsibly
IF IN DOUBT, CONTACT THE SUPPLIER**

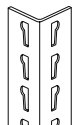

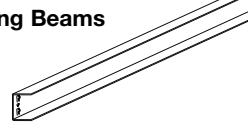

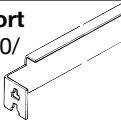
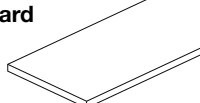
Component check list



Standard Duty Shelving typical 5-shelf Bay

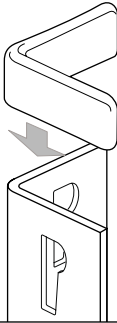
Component	Quantity
Standard Uprights 	4 per bay
Short Beams 	2 per shelf level
Long Beams 	2 per shelf level
Steel Foot Plates with nut & bolt 	4 per bay
Upright Top Caps (where ordered) 	4 per bay
Wire Beam Tie (1200/1500mm beam only) 	1 per shelf level
Chipboard Shelf 	1 per shelf level

Heavy Duty Shelving typical 3-shelf Bay

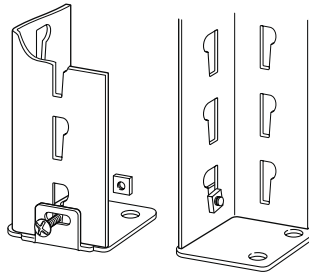
Component	Quantity
Heavy Uprights 	4 per bay
Short Beams 	2 per shelf level
Long Beams 	2 per shelf level
Steel Foot Plates with nut & bolt 	4 per bay
Decking Support (bays 1800/2100/2400mm wide) 	1 per shelf level
Chipboard Shelf 	1 per shelf level

Assembly - Just/Stockrax Standard Duty Bays (also r

- 1** Locate 4 upright top caps (where ordered).

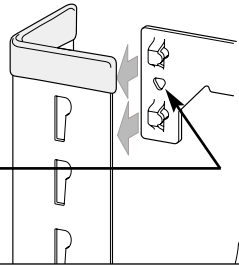


- 2** Bolt foot plates to uprights (x4).

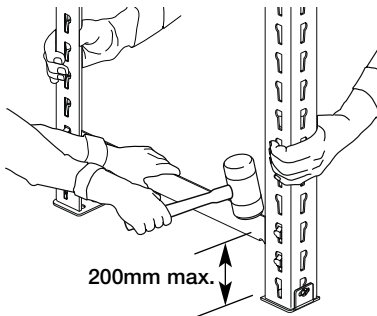


- 3** To locate beams: Clip lugs at the ends of the beam into the 'P' slots in the upright. Press down, then tap into place ensuring lugs are fully located to the base of the slots.

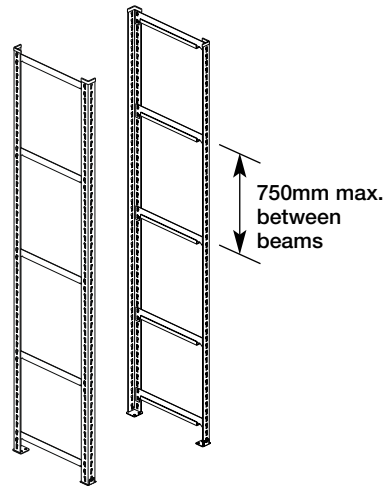
Note: Downward pointing triangular slot indicates direction for correct location



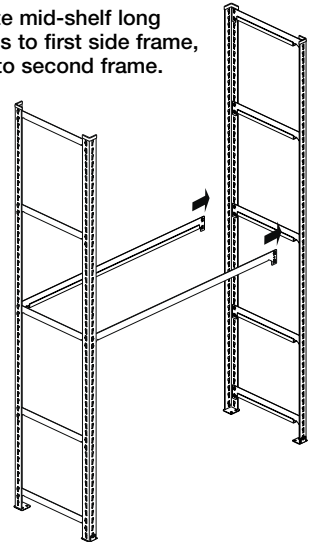
- 6** Locate base short beam, for the lowest shelf position, *within 200mm of the floor* (if exceeded, floor fixing is required). Locate remaining short beams at the intermediate shelf positions required, with *maximum vertical spacing (pitch) of 750mm between beams*.



- 7** Assemble second side frame, with matching short beam positions.

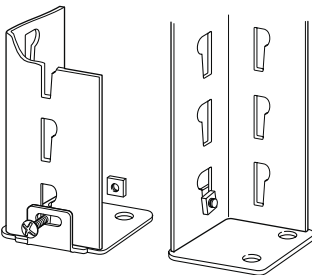


- 8** Locate mid-shelf long beams to first side frame, then to second frame.

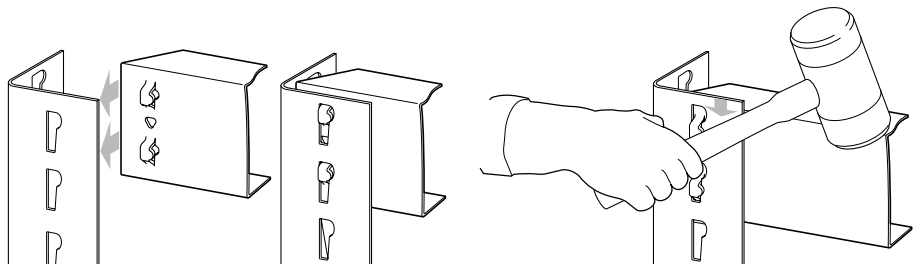


Assembly - Just/Stockrax Heavy Duty Bays (also r

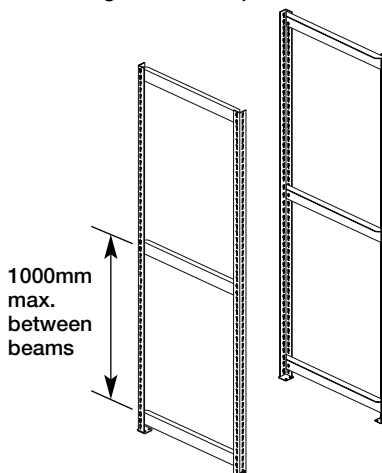
- 1** Bolt foot plates to uprights (x4).



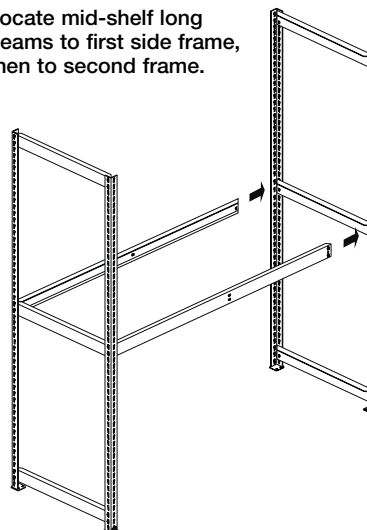
- 2** To locate beams: Clip lugs at the ends of the beam into the 'P' slots in the upright. Press down, then tap into place ensuring lugs are fully located to the base of the slots.



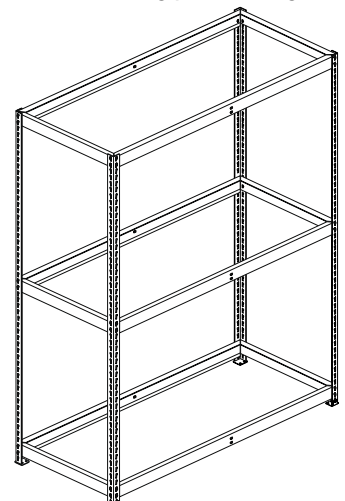
- 6** Assemble second side frame, with matching short beam positions.



- 7** Locate mid-shelf long beams to first side frame, then to second frame.



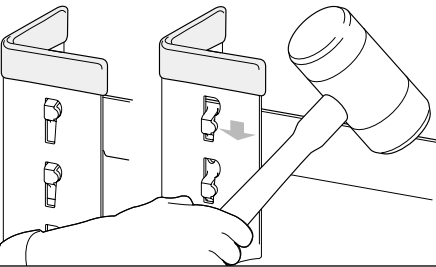
- 8** Locate remaining pairs of long beams.



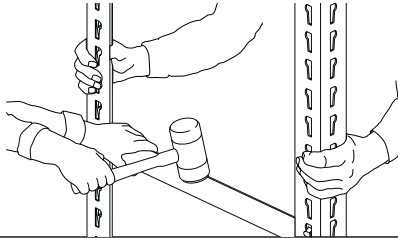
so refer to back page)

ASSEMBLE USING A RUBBER OR PLASTIC-FACED Mallet

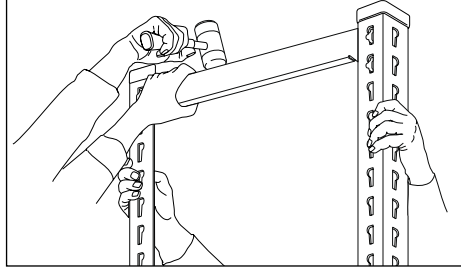
the beam into the 'P' slots in the upright.
The beams are fully located to the base of the slots.



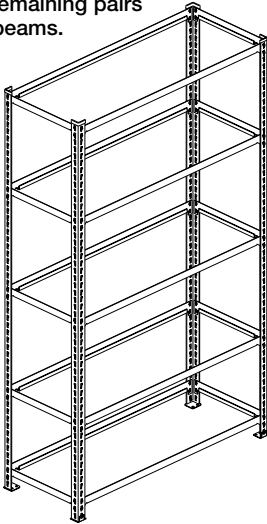
- 4** Assemble first side frame:
Locate first (mid-shelf) short beam at the height required.



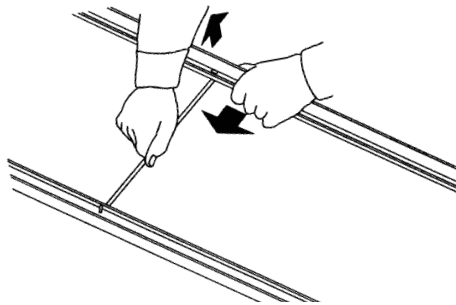
- 5** Locate top short beam, position at highest shelf position required.



- 9** Locate remaining pairs of long beams.

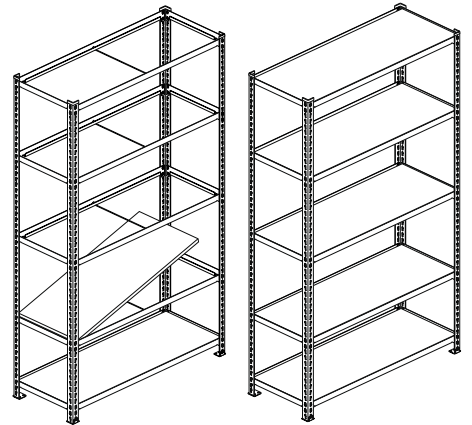


- 10** For beams of 1200mm & 1500mm length only:
Hook wire tie through both holes at the centre of the beams.



NOTE: It is recommended that shelving bay/s are positioned in the required location at this stage, before shelves are fitted.

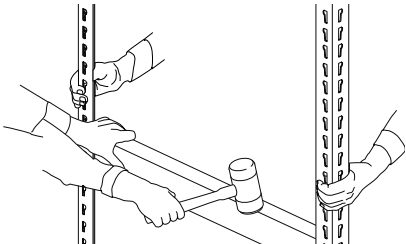
- 11** Fit the chipboard shelves to complete the bay.
CAUTION: Take care to avoid trapping fingers when locating shelves.



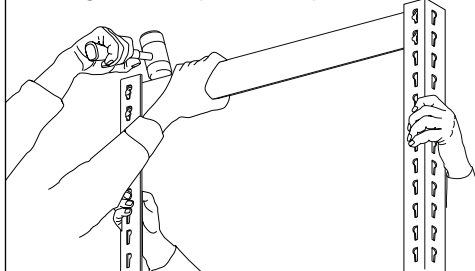
refer to back page)

ASSEMBLE USING A RUBBER OR PLASTIC-FACED Mallet

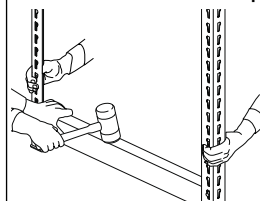
- 3** Assemble first side frame:
Locate first (mid-shelf) short beam at the height required.



- 4** Locate top short beam, position at highest shelf position required.

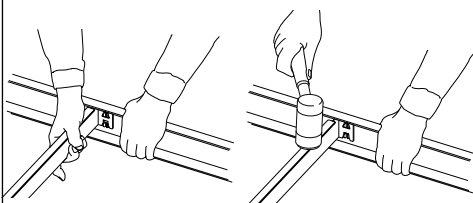


- 5** Locate base short beam, for the lowest shelf position, *within 200mm of the floor* (if exceeded, floor fixing is required).
Locate remaining short beams at the intermediate shelf positions required, *with maximum vertical spacing (pitch) of 1000mm between beams.*



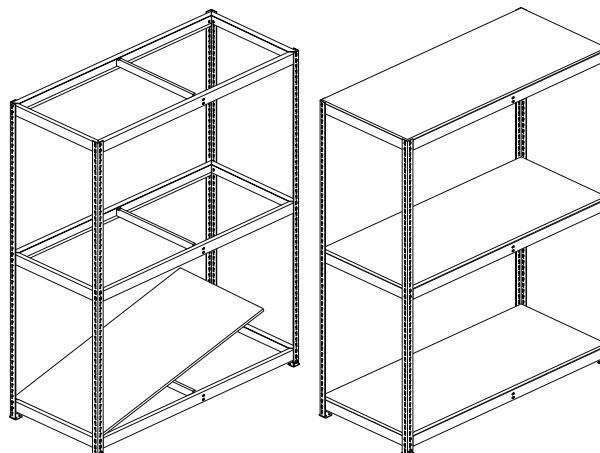
- 9** For bays with beam lengths 1800mm, 2100mm or 2400mm only, locate Decking Supports.

Ensure slots in the decking support tags are in line and at right angles to the lugs on the inner face of the beams.
Tap into place until located, top flush with the beam.

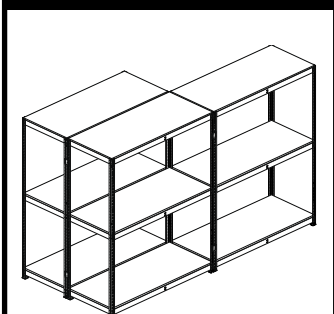


NOTE: It is recommended that shelving bay/s are positioned in the required location at this stage, before shelves are fitted.

- 10** Fit the chipboard shelves to complete the bay.
CAUTION: Take care to avoid trapping fingers when locating shelves.



Note: Refer to back page for use of connector plates when building runs of adjacent shelving bays (standard or heavy duty) and for floor fixing criteria.



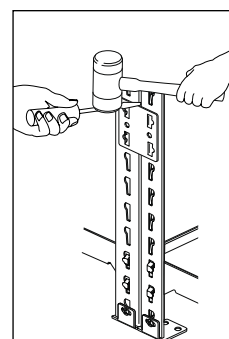
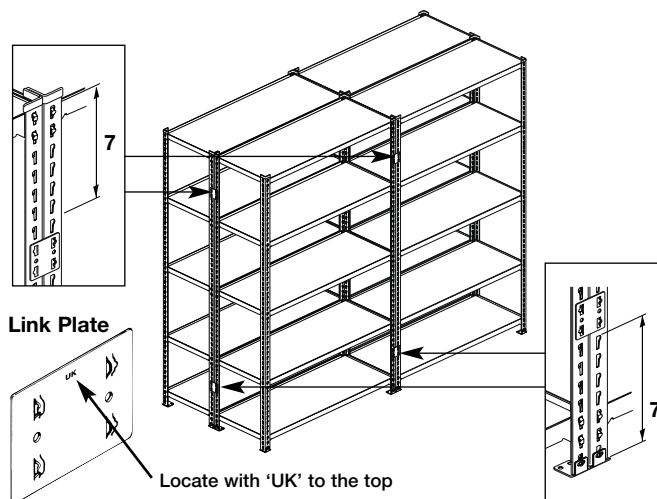
Bay Connection - for runs of shelving

Where runs of adjacent shelving bays in single, or double-sided 'island' situations are required, it is recommended that Bay Link/Connector Plates are used to join the bays (available separately, part number SXSRL, fits standard & heavy uprights).

Plates connect adjacent shelving bays at side to side and back to back.

Two plates are used to connect each pair of adjacent uprights, the first clipped into place with 7 slots from the top, the second with 7 slots from the base.

NOTE: to make fitting easier, plates should be located before the shelves are in place.



Carefully use mallet and screwdriver blade to tap down the plate to ensure it is fully located.

Floor Fixing - for additional stability

In certain situations shelving should be fixed to the floor for additional stability.

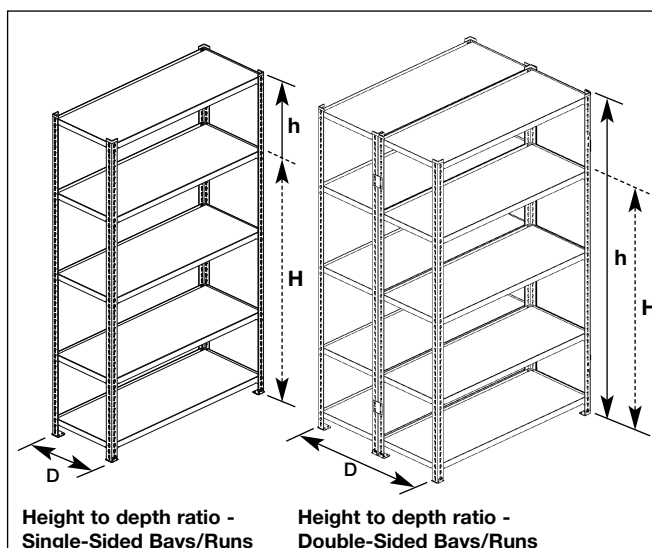
This applies to tall, narrow bays where the height (taken as the distance from the floor to the highest loaded shelf) to depth ratio of shelving exceeds 4:1.

Floor fixing into solid floors is achieved by the use of bolted expansion fixings (part number ARR6), passing through the foot plates and into pre-drilled holes in the floor (using one fixing per 'perimeter' foot plate).

Floor fixing is recommended where:

- The height from the floor to the lowest (base) shelf exceeds 200mm.
- Stock rotation is frequent with shelves regularly loaded and unloaded.
- High level shelves are regularly kept nearly or fully loaded.

IF IN DOUBT WHEN TO FLOOR FIX, CONTACT THE SUPPLIER.



Height to depth ratio - Single-Sided Bays/Runs

Height to depth ratio - Double-Sided Bays/Runs

D = depth

H = height, floor to highest loaded shelf, with top shelf used as a dust cover, unladen.

h = height, floor to highest loaded shelf, with top shelf loaded.

Example:

Standard bay, height 1980mm, depth 300mm. Shelves positioned over 1200mm will exceed the 4:1 height to depth ratio and floor fixing must be considered.

Loading Information - retain for user reference

General purpose loading on 18mm thick chipboard shelves, to Grade P2 EN 312:2003



MAXIMUM SAFE BAY LOADS
for Stockrax/Just Shelving

Bay load is the total combined load of all the shelves in a bay.

Standard Duty Bay up to and including 1980mm high	2000kg max.
Standard Duty Bay over 1980mm high	1500kg max.
Heavy Duty Bay 1980mm high	3000kg max.

CAUTION: The projected combined maximum load of all shelves in a bay must not exceed these capacities.



MAXIMUM SAFE SHELF LOADS
for Stockrax/Just Shelving

Do not exceed these maximum safe loads, which should be evenly distributed across the shelf (note: dimensions are nominal).

STANDARD DUTY BAY SHELVES			
Shelf width	Shelf depth		
	300mm	400mm	600mm
900mm	375kg	320kg	180kg
1200mm	350kg	350kg	220kg
1500mm	260kg	260kg	260kg

NOTE: Shelves must be hand loaded only. Never use shelving with mechanical handling equipment, or to carry pallets.

HEAVY DUTY BAY SHELVES			
Shelf width	Shelf depth		
	450mm	600mm	900mm
1500mm	510kg	275kg	-
1800mm	635kg	365kg	210kg
2100mm	650kg	400kg	210kg
2400mm	600kg	445kg	210kg

The information contained in this leaflet was accepted as correct at the date of publication. However, the manufacturer reserves the right to make any necessary changes, in line with product development and improvement. Although all reasonable care has been taken to make it as complete and accurate as possible, no liability can be accepted for any inaccuracies or omissions.