Strutt Shelving

Assembly instructions · shelving bays, workbench, drawers and cupboards · the pictures show an 800 wide bay, 400 high, 400 deep



You will need

- 4 mm hex key (button heads)
- 10 mm spanner (M6 nuts)
- PZ2 driver (hat stiffeners)
- Spirit level, soft mat for the floor
- Two people for runs over 1200 wide and for the workbench

Before you start

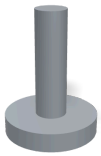
- Check every part against the parts list.
- Posts are supplied full height and pre-drilled: one hole line for the runners, one for the side channels, at every shelf height. Stacks over 2.1 m come as two pieces joined by an internal spigot hidden behind a runner.
- Fit all bolts finger-tight first, square the bay, then tighten.
- **Orange** in the pictures = the parts added in that step.

Parts

Part codes carry the size: SHV-RUN-800 is the runner for an 800 wide bay, SHV-SIDE-400 the side channel for a 400 deep run. Your parts list / cut list gives the quantities for your build.



SHV-POST
Post 25 x 25 SHS (full height, pre-drilled)



SHV-FOOT-M10
Levelling foot M10



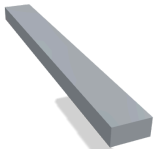
SHV-RUN-800
Shelf runner (2 per shelf, front = back)



SHV-SIDE-400
Side channel (one at each end of every shelf)



SHV-MFC-800X400
12 mm MFC shelf



SHV-HAT-400
Hat stiffener (shelves 900 and wider)



SHV-BACK-WxH
Back panel (optional, per bay): plain, pegboard, perforated or grid mesh

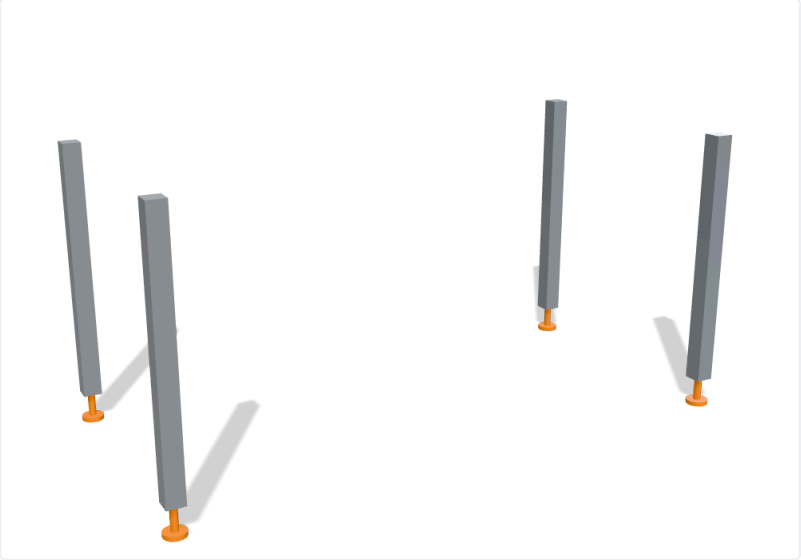


Fixings at each shelf
Runner ears + dome nuts inside the bay, side channel tabs + button heads on the post fronts

Fixings

Fixing	Quantity	Where
M6 x 30 button head + dome nut	4 per shelf	Runner ears through the posts (dome nut inside)
M6 x 35 button head + nyloc nut	4 per side channel	Side channel tabs through the posts (head on the post front)
M10 levelling foot	1 per post	Screws into the insert in the foot end of the post
4.2 x 13 self-tapping screw	4 per hat stiffener	Hat feet into the runner stiffeners (shelves 900 and wider)
M4 panel clip	4 per plain back panel	Clips the plain back panel to the back posts
M4 screw + rivnut	4 per pegboard / perforated / grid panel	Through the side flanges into the back posts
M6 x 16 button head + rivnut	2 per bin rail	Bin rail ends into the riser's back posts
4.2 x 13 self-tapping screw	2 per LED bar	LED bar clips to the underside of the riser shelf front rail
4 x 16 wood screw	4 per drawer unit / cupboard	Through the pre-punched carcass base into the MFC shelf below
M4 x 10 machine screw	2 per handle	Handles and pull rails from inside the front (supplied fitted)

Safety. Load shelves evenly and keep the heaviest items on the lower shelves. Guide load: 60 kg per shelf up to 800 wide, 45 kg from 900 to 1200 (with the hat stiffener). Runs higher than 1500 mm, or any run children can climb, must be fixed to the wall through the top back runner. Do not stand on the shelves. Re-check all bolts after the first week.



1

Fit the levelling feet

Lay the four posts of the first bay on a soft surface, hole lines facing as shown: the single hole line faces the **front / back** of the run, the offset hole line faces **into the bay**.

- Screw an M10 levelling foot into the insert at the bottom of each post, about 10 mm out.
- Keep the front posts and the back posts in pairs: a post pair is one front and one back post.



2

Build the two post frames

Bolt a **side channel** between each front and back post at every shelf height. The channel's lip faces up and its tabs fold **outward**, each over the half of the post's facing face on its own side.

- M6 x 35 button head from the **outside** of the post (front / back face), nyloc nut on the tab inside.
- The bottom channel of a base bay sits at 90 mm from the floor, the top one at the bay height.
- Finger-tight only. You now have a left frame and a right frame.



3

Stand the frames and fit the runners

Stand both frames up and bolt a **runner** between them at the front and another at the back at each shelf height, lip up and outward. Front and back runner are the same part.

- The runner's ears sit on the posts' **inner** faces, over the side channel's lip: M6 x 30 button head from the far side of the post, **dome nut on the ear**, inside the bay.
- Check the bay is square (equal diagonals), then tighten all M6 bolts: channels first, then runners.



4

Drop in the shelves

Lower each 12 mm MFC shelf into its tray from above: it rests on the runner ledges and is framed by the four lips, so no edge shows and nothing is screwed.

- Shelves 900 and wider: first screw the **hat stiffener** under the shelf centre, feet into the front and back runner stiffeners (4 x self-tappers).
- Wipe the ledges clean before the shelf goes in: grit under a shelf shows as a rock.



5

Add shelf levels

A taller stack is the same bay repeated upward: the posts are already full height, so repeat steps 2 to 4 at each shelf height marked by the next set of holes.

- Work from the bottom up so you can reach inside each cell for the dome nuts.
- Every level can have its own height; the holes in your posts match your build.

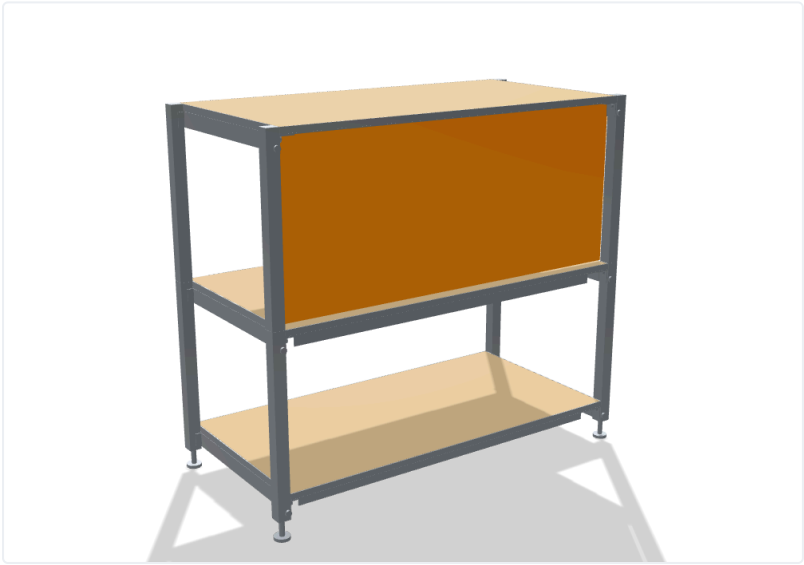


6

Add a bay beside another

Neighbouring bays **share a post pair**: a bay added to either end of a run brings only two new posts (your cut list has one post per corner line). Bolt its side channels and runners to the shared posts exactly as before.

- Each bay has its own side channels. On a shared post the two tabs sit side by side, one each side of the post's centre line, each with its own bolt; runners at the same height share one longer bolt through the post.
- Bays can differ in width and in their shelf heights; the depth is the same along the run.



7

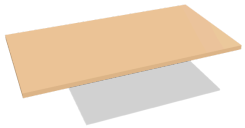
Back panels and levelling

Fit the **back panels**: plain ones clip to the back posts (4 clips); pegboard, perforated and grid panels go flanges-out and screw into the rivnuts in the back posts. Then level the run on the feet, front to back and along the run.

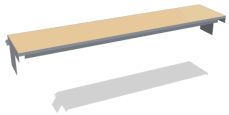
- Tighten the panel fixings last so it settles flat.
- Turn the feet out, never more than 20 mm, to take up uneven floors.

Workbench, drawers and cupboards

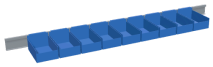
A workbench is a bay like any other: it joins a run beside shelving stacks and shares their posts. Its back posts carry on up as the riser. Drawer units and cupboards stand on a shelf inside a bay, or on either of the bench's shelves under the worktop. The pictures show a 1200 wide bench, 900 to the worktop, 600 deep.



SHV-TOP-1200X600
25 mm worktop (beech / oak block, MFC or steel-clad)



SHV-RRAIL-1200 + SHV-BRK-250
Riser shelf kit: back runner, front rail, 2 brackets, 250 deep shelf



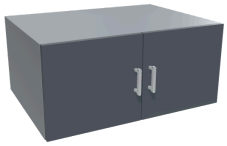
SHV-BINRAIL-1200
Bin rail + hook-on bins (SHV-BIN-S)



SHV-LED-W
LED light bar with plug-in driver (length to suit the bench)



SHV-DRW-800X400X600-3
Drawer unit (1-4 drawers, supplied assembled)



SHV-CUP-800X400X600
Cupboard (doors and hinges pre-fitted)



8

Build the bench frame and fit the worktop

Build the bench exactly like a base bay (steps 1 to 4) with three levels: the bottom shelf at 90 mm, the middle shelf and the worktop runners. The back posts are longer: they also carry the riser.

- Lay the 25 mm **worktop** into the top tray: it rests on the runner ledges and stands 13 mm proud of the lips.
- The worktop always has a hat stiffener under it, whatever the width.
- Seal the edges of a solid beech / oak top with worktop oil before use.



9

Fit the riser shelf

Above the worktop the back posts form the **riser**. Bolt the back runner between them at the riser height, then the two **brackets** (a side channel with a gusset) on the posts' front faces.

- Rest the 250 mm deep **front rail** on the bracket legs, between the bracket lips, and bolt it through the bracket ends.
- Drop in the 250 mm top shelf.
- The gussets stand in front of the back panel line: fit them before the panel.



10

Pegboard, bin rail and light

Fit the riser's **back panel** as in step 7 (pegboard shown). Then fix the **bin rail** across the back posts' front faces, 200 mm above the worktop, and hang the bins on its lip.

- Bin rail: 2 x M6 x 16 button heads into the rivnuts in the back posts.
- The **LED bar** clips under the riser shelf just behind the front rail (2 self-tappers); run its cable down a back post with the clips supplied to the driver.
- Mains connection by a competent person: plug-in driver, no fixed wiring.



11

Drawer units and cupboards

Units arrive assembled. Lift each one onto its shelf between the posts, push it back until it touches the back panel line, and fix it down through the four pre-punched holes in the carcass base.

- Under the bench a unit can stand on the middle shelf (up to the worktop) or on the bottom shelf (up to the middle shelf).
- Remove the top drawer first (step 12) to reach the rear screws; open the doors for a cupboard.
- Check the fronts sit 1 mm behind the post fronts with an even 2 mm gap to each post.



12

Handles, locks and adjustment

Handles (bar, pull rail or recessed cup) and the optional cam locks come fitted to your order. The top drawer runs on full-extension ball-bearing runners; the doors on 95° sprung hinges.

- To take a drawer out: open it fully and lift the black levers on both runners together.
- Door gaps: on each hinge the front screw sets the side gap and the rear screw the depth. Keep 3 mm between a pair of doors.
- Load each drawer evenly: up to 25 kg per drawer.