



Freestanding Wall

Specification:

Standalone un-propped bouldering wall designed for use as a personal climbing wall and to be used by one climber at any one time.

Designed/manufactured to comply with the strength integrity requirements stated within “EN12572-2-Jan 2017, European Standard for Artificial climbing structures – Part 2: Safety requirements and test methods for bouldering walls.”

Manufactured using structural steel components compliant with BSEN10056-2, BSEN10210-S:2006 and ENISO 4016/4018 and Structural graded timber, Class C24. Steel frame finished in black.

Climbing surface is CNC processed 18mm Birch ply BB/BB BS EN 12572 compliant. Pre-drilled with Tee nuts BS EN 12572 compliant at 200mm centres

Data	20° Degree Overhanging (from vertical)	40° Degree Overhanging (from vertical)
Climbing Surface (square metres)	6.6m ² (5.9m ² for the shorter wall option)	6.6m ²
Width (metres)	2.420m	2.420m
Overall Wall Height (metres)	2.674m (2.275m for the shorter wall option)	2.230m
Angle from floor to the underside of the climbing surface (degrees)	70°	50°
Distance from back of wall to tip of overhanging wall surface (metres).	0.950m (0.820m for the shorter wall option)	1.675m
Operable floor area without vertical side protection : EN12572-2-Jan 2017.(width x length:metres)	5.220m x 2.827m	4.770m x 3.555m
Operable floor area with vertical side protection : (width x length:metres)	2.7m x 2.827m	2.7m x 3.555m
Recommended Clearance height (metres)	2.750m (2.3m for the shorter wall option)	2.300m
total floor area with matting laid out (width x length:metres)	2.52m x 2.24m	2.52m x 2.57m
Total weight of Wall	270.3kg (261.3kg for the shorter wall option)	270.3kg

Matting Option - 10cm thickness of selected materials, by 'Core Climbing'. (There is no code/spec for this thickness of matting).

Large component weights and sizes

Component	Weight (Kilograms)	Size (metres)
Ply Sheets	19kg	1.210m x 1.210m (width x length:metres)
Timber Cross Member	11kg	2.220m (length)
Steel Cross Member	34kg	2.210m (length)
Heaviest Frame Component	29kg	Not Applicable

Terms of use:

Handling

- When moving any components of the frame or ply, use two people to lift and carry.
- Only handle and move components of the frame when independent from each other.

Assembly

- When assembling any components of the frame or ply, use two people.
- Follow all assembly instructions carefully and correctly.
- Use all steel frame fixings and ply to frame fixing.
- Assemble in the finished location and don't move the wall once fully built. (only move parts of the wall as single components).
- Don't drill or adapt the frame or ply in any way for other assembly purposes, and don't use any of the components other than for a Wide Boyz Freestanding Wall.
- Assemble all parts of the board from the ground, do not climb anywhere on the board to help assemble. If unable to reach areas of the board from standing on the ground, please use steps in a safe manner.
- Assemble on a flat, level and none slip surface.
- Use the recommended tools [or similar] in the build document, to assemble.
- Use only Wide Boyz steel and timber cross members. Don't use your own cross members to extend the width of the board.

Fixing and setting

- Use T-nuts provided.
- Only use provided T-nuts, don't drill extra.
- Use M10 threaded bolts for setting, and ensure at least 10mm of thread can be seen out the back of the T-nut and that the bolt is not cross threaded.
- Use M5 wood screws when placing screw-ons on the board, and ensure at least 10mm of thread can be seen out the back of the ply.
- If screwing through the ply and into a timber cross member, ensure the correct length of screw is used so that 10mm of screw inserts into the cross member.
- Only place screw-ons through ply and timber and not through any steel cross members or the frame sides.
- Avoid using existing holes in the ply when fixing screw-ons to the wall.

- As a minimum ensure you are able to fit your arm between any side walls and the side of the frame, to tighten nuts at the back. For ease it is recommended that you can fit a body width so you can see behind the board.

Use

- Only 1 person should climb on the Freestanding Wall at any one time.
- Climbing should only be done on the climbing side of the board (the steep side). Do not climb on the backside of the board (the slab side).
- Do not grab over the back of the top timber cross member when climbing. Finish boulder problems by using screw-on holds on the finishing topper panel.
- Do not 'top out' on the board. i.e. climb up and over the top of the board.
- Do not sit on top or the backside of the board.
- Do not push, tip or rock the board.
- If not using Wide Boyz matting, ensure safe and sufficient padding is used from a crash pad manufacturer.
- Ensure that both floor legs and fall zones are covered with pads before climbing.

Frame only option:

Installing climbing panels

- Purchaser supplies and fits their own climbing surface panelling
- Climbing panels should be 18mm FSC BB/BB Birch Ply
- Climbing panels should be cut to no less than 1.21 x 1.21m square
- All available frame fixings (t-nuts and screws) should be used to secure your climbing panels to the frame
- No new frame fixings should be drilled into or added to the frame
- When adding your climbing panels we recommend you work to the measurements and dimensions shown in our climbing panel specification (available on purchase enquiry)
- Ply is to be screwed to the steel frame using 5.5mm diameter self drilling screws, at the centres given on the ply spec sheet
- When installing your own climbing panels to the frame, please also follow all *handling, assembly, fixing and setting*, and *use*, as described above.