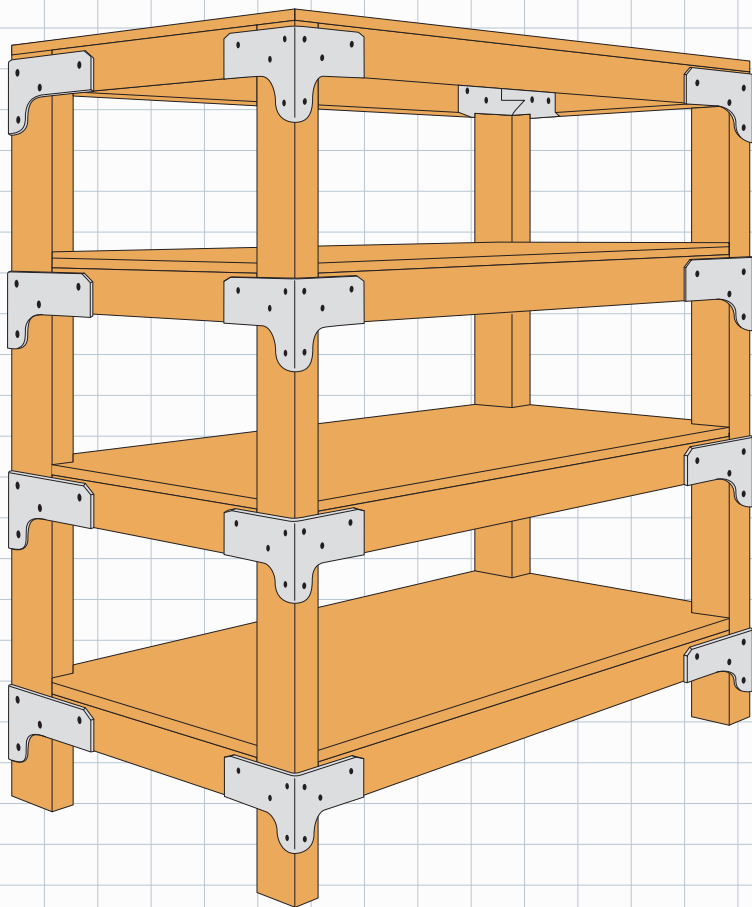


**SIMPLY  
BUILD IT**

# Just Add Timber

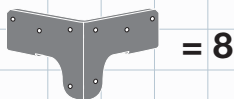


## Instructions to build a shelving unit with four shelves

before you get started...

Each Simply Build It kit is sufficient for two shelves (four brackets per shelf). To create a shelving system with four shelves will therefore require two kits which amounts to:

- 16 x metal brackets.
- 200 x domed head screws.
- 40 x counter-sunk screws



= 8



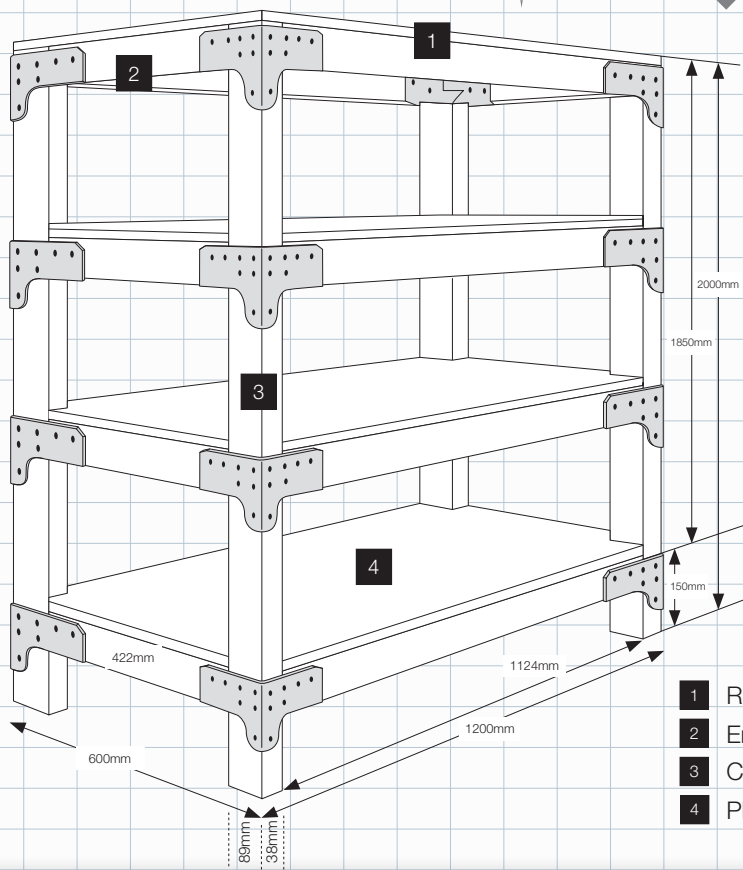
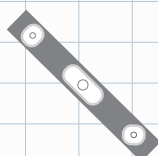
= 100



= 20

You will also require the following tools (not included):

- Saw
- Screw driver (Phillips head)
- Spirit level
- Tape Measure





before you get started...

## Buying your timber and plywood

Decide what size shelving system you require. The great advantage with this kit is that it can be tailored to your own specific size. The instructions given here are to build a 1200mm (L) x 600mm (W) x 2000mm (H) shelving, but by cutting the timber you can vary the size to your own requirements.

Remember to allow for the widths of the post when cutting the length of the rails.

To build a 1200mm (L) x 600mm (W) x 850mm (H) shelving system you will need the following timber:

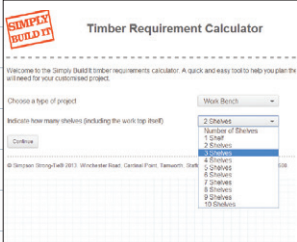
Timber Component	Qty	Dimension in mm (W x H x L)
Rail	8	38 x 89 x 1124
End Rail	8	38 x 89 x 422
Corner Post	4	38 x 89 x 2000
Plywood Shelf	4	600 x 18 x 1200

CLS timber is an ideal choice. For more specific advice, ask your local DIY outlet or timber merchant.

To build a different size work bench all you need to do is change your length of timber and size of plywood to suit.

## Timber Calculator Online

Try our online timber calculator, its the easy way find out the lengths of timber you need for your project. Just tell it how many shelves you want, enter the basic dimensions and there you have it! A timber cut list you can use for your own reference, or print off and give to your local timber stockist.



**Timber Requirement Calculator**

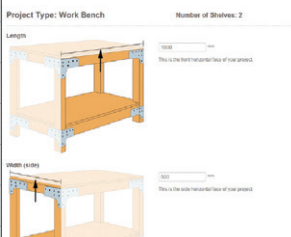
Welcome to the Simply Build It timber requirements calculator. A quick and easy tool to help you plan the materials for your construction project.

Choose a type of project: **Work Bench**

Indicate how many shelves (excluding the work top itself):

- 2 Shelves
- 1 Shelf
- 3 Shelves
- 4 Shelves
- 5 Shelves
- 6 Shelves
- 7 Shelves
- 8 Shelves
- 9 Shelves

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**Project Type: Work Bench**

Number of Shelves: 2

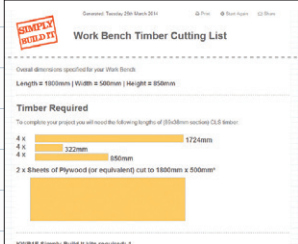
Length: 1200mm

This is the front/rear face of your project.

Width (across): 600mm

Height: 850mm

This is the side/rear face of your project.



**Work Bench Timber Cutting List**

Overall dimensions specified for your Work Bench:

Length x Width x Height = 1200mm x 600mm x 850mm

**Timber Required**

To complete your project you will need the following lengths of (38x89x2000) CLS timber:

- 4 x 1224mm
- 4 x 122mm
- 4 x 850mm

2 x Sheets of Plywood (or equivalent) cut to 1800mm x 500mm

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Visit [www.simplybuildit.co.uk](http://www.simplybuildit.co.uk) to calculate your timber requirements and watch a demonstration video to help get you started.

## Step 1: Marking the Timber



A) Measure 150mm up from the bottom of the first post and mark it. This will be the position of the top of the bottom bracket.

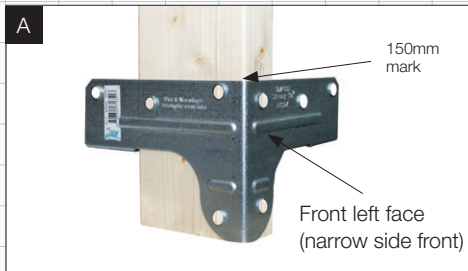


B) Now measure 13mm down from the top of the first post and mark it. This will be the position of the top of the upper bracket.



Tip: To ensure that the shelves fit correctly we recommend that you line all four posts up together so that they are all marked in the same place for both the top and bottom shelf.

## Step 2: Installing the Bottom Brackets



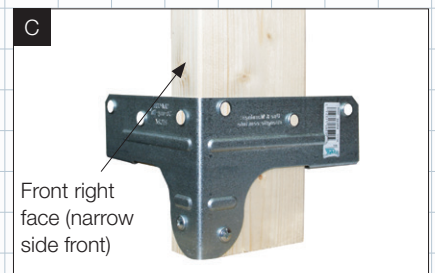
A) Starting with the front left hand post, slide the bracket onto the post, down to the bottom mark. Ensure that the 38mm side post is facing toward you when in position.

C) Repeat steps 2A and 2B for the front right post. Ensure that the 38mm (narrow) side of the post is facing toward you. This should result in the bracket facing the opposite way to the left hand post.

D) For the back posts, repeat 2A to 2c.



B) Install domed head screws as shown.



### Step 3: Installing the Bottom Rails



A) To fit the rails take the first left hand post and insert the rail into the bracket. Do not fit the screws yet. Take the front right hand leg and insert the other end of the same rail into the bracket.



B) Using a spirit level, check that the rail is level. Then secure using one dome head screw as shown above. Repeat steps 3A and 3B for the back posts and rail.



C) Now fit the end rails in the same way as the other rails. Ensure that they are level before fixing the dome head screws. Then fix all remaining outside facing screws into the brackets.



D) Now fix all remaining outside facing screws into the brackets.



E) Fit the two internal dome head corner screws on all four brackets as shown above **before fixing the remaining screws**. You should notice how this pulls the timbers tightly together and forms a perfect corner.



E) Fit all remaining screws to the inside of the four brackets as shown.

#### **Step 4: Preparing the Bottom Shelf**

The bottom shelf should have the corners removed to allow for the posts.

Place a piece of the 38mm x 89mm timber on each corner and of the plywood shelf and mark around it to accommodate the corner posts. Cut out these sections using a saw.

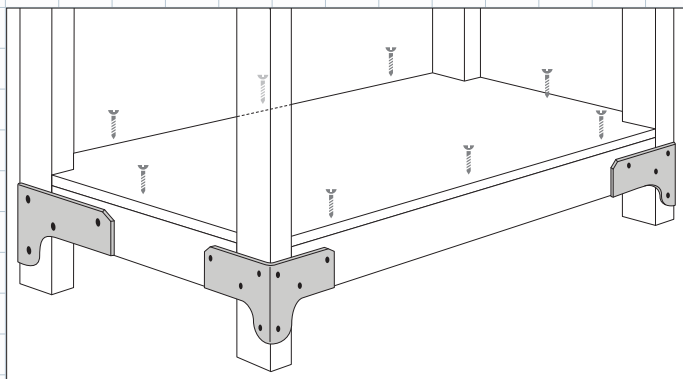
CAUTION: Do not remove the corners from the top shelf as it will sit across the top of the posts.



#### **Step 5: Securing the Bottom Shelf**

The bottom shelving can now be secured in place.

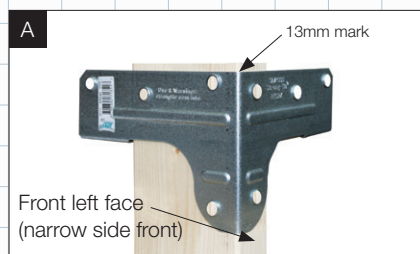
Using eight of the counter-sunk screws to secure the shelf to the rails. Screws should be inserted at a minimum of every 400mm to ensure a secure fit to the rail.



#### **Step 6: Additional Shelves (excluding the top shelf)**

For each additional shelf (excluding the top shelf) it is simply a matter of repeating steps 1 - 5 for each shelf. Feel free to decide at what height the shelves need to be and mark the posts accordingly. You can customise the shelf heights to suit your specific need.

## Step 7: Installing the Top Bracket



A) Take one of the remaining brackets and slide onto the post, lining up the top of the bracket with the mark.



B) Secure the bracket with two dome head screws as shown above. Repeat steps 7A and 7B for the remaining three brackets.

## Step 8: Installing the Top Rails and Top Shelf



A) Take a rail and fit onto the front two brackets. Using a spirit level, ensure the rail is level and fix with one dome head screw in each bracket face. Repeat this step for the back rail.



B) Now fit the end rails in the same way as the other rails. Ensure that they are level before fixing with dome head screws. The fix all remaining outside facing screws into the brackets.



C) Fit the two internal dome head corner screws on all four brackets as shown above **before** fixing the remaining screws.



D) Fit all remaining screws to the inside of the four brackets as shown. With your frame completely in place you can now fix down the top shelf with the remaining countersunk screws.



## Find out more...

Visit [www.simplybuildit.co.uk](http://www.simplybuildit.co.uk) for useful ways to get your project up and running.

**Timber Calculator:** Just add the dimensions and number of shelves to our web based 'app' to receive an instant list of timber lengths for you to print and take to your local timber stockist (or use yourself to measure up your project).

**Demonstration Video:** Watch a short film in which we explain how to go about creating your Simply Build It projects.

**Project Plans:** Grab yourself some project plans and instructions to get you started - but don't forget, you can flex the dimensions to suit your space and your needs. We're adding new plans to the website all the time. Let us know what you're doing and the next one we add might be yours!



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