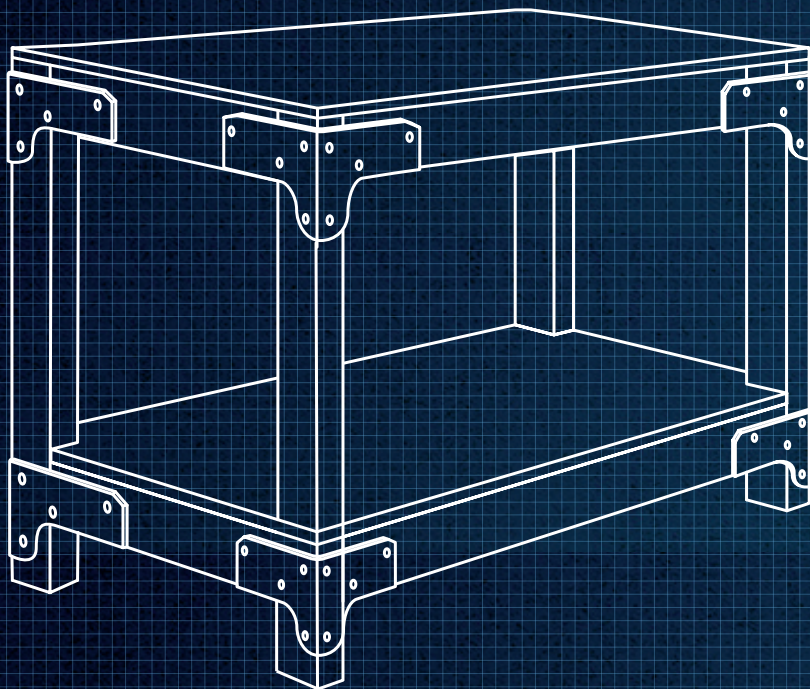




# DIY Utility Kit - Just Add Timber



## Instructions to build a work bench with two levels

Visit [www.simplybuildit.co.uk](http://www.simplybuildit.co.uk) for ideas, building plans and much more.

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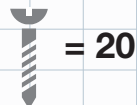
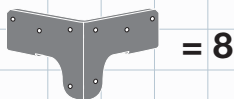
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before you get started...

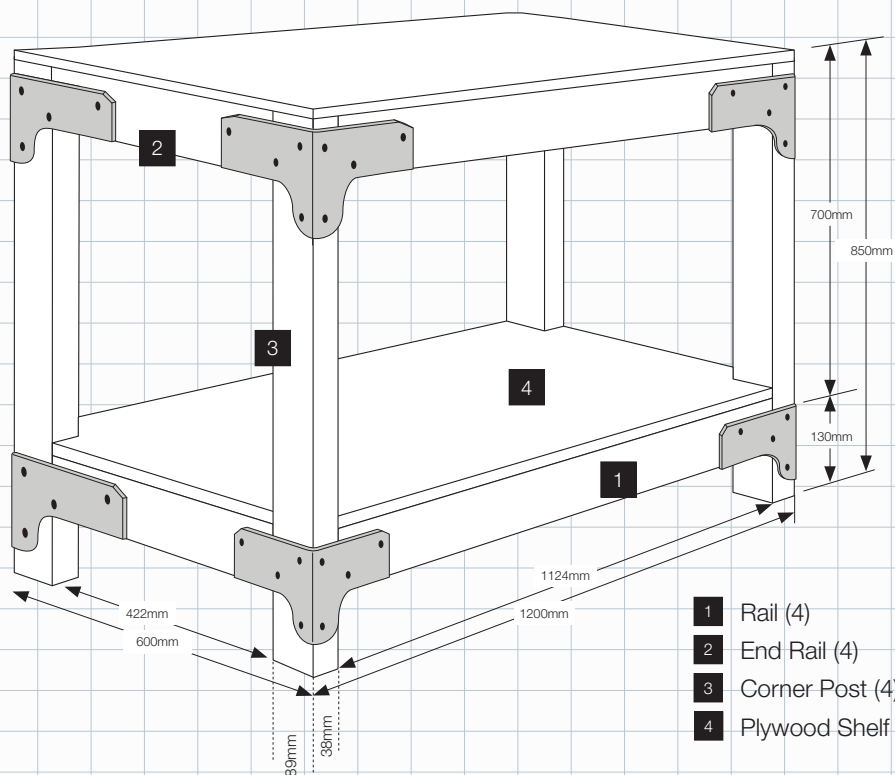
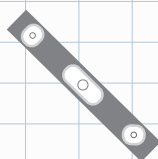
This workbench kit contains the following items. Please ensure you have all of the components before you begin building.

- 8 x metal brackets.
- 100 x domed head screws.
- 20 x counter-sunk screws.



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 work bench 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 850mm (H) work bench, 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) work bench you will need the following timber:

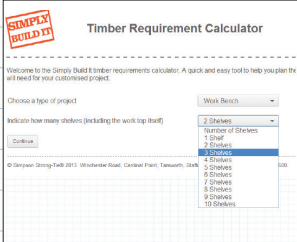
Timber Component	Qty	Dimension in mm (W x H x L)
Rail	4	38 x 89 x 1124
End Rail	4	38 x 89 x 422
Corner Post	4	38 x 89 x 850
Plywood Shelf	2	600 x 18 x 1200

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**

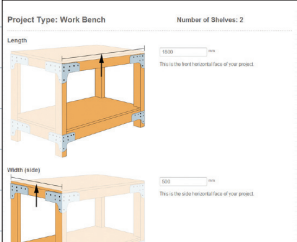
Welcome to the Simply Build It timber requirements calculator. A quick and easy tool to help you plan the materials you need for your customised project.

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

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

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

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**Project Type: Work Bench**

Number of Shelves: 2

Length: 1200mm

Width: 600mm

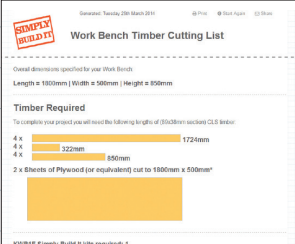
Height: 850mm

**Timber Required**

To complete your project you will need the following lengths of (30x89mm section) CLS timber:

- 4 x 1724mm
- 4 x 522mm
- 2 x 550mm

2 x Sheets of Plywood (or equivalent) cut to 1800mm x 550mm



**Work Bench Timber Cutting List**

General dimensions specified for your Work Bench:

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

**Timber Required**

To complete your project you will need the following lengths of (30x89mm section) CLS timber:

- 4 x 1724mm
- 4 x 522mm
- 2 x 550mm

2 x Sheets of Plywood (or equivalent) cut to 1800mm x 550mm

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 130mm up from the bottom of the first post and mark it. This will be the position of the top of the bottom bracket.

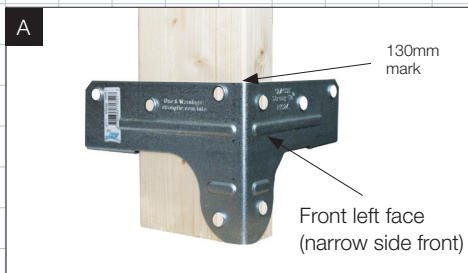


B) Now measure 39mm down from the top of the first post and mark it. This will be the position of the top of the upper bracket.



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 (narrow) side of the 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.



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 of the plywood shelf and mark around it to accommodate the corner posts. Cut out these sections using a saw.

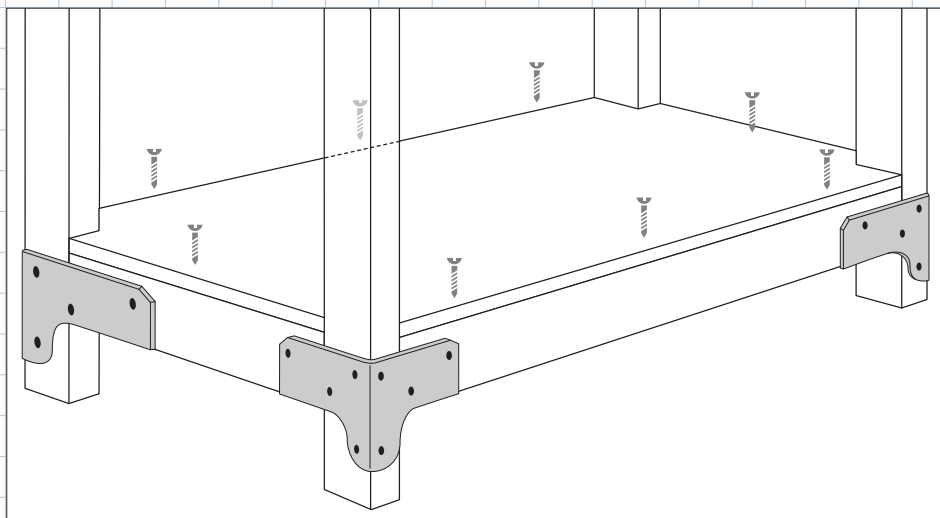
CAUTION: Do not remove the corners from the top shelf as it will sit across the top of the posts.



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

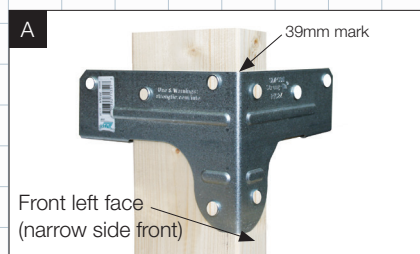
The bottom shelving can now be secured in place.

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: 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 6A and 6B for the remaining three brackets.

## Step 7: 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. Now 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**. You should notice how this pulls the timbers tightly together and forms a perfect corner.



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.



# DIY Utility Kit - Just Add Timber

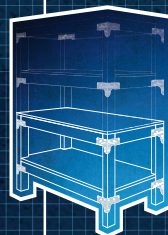
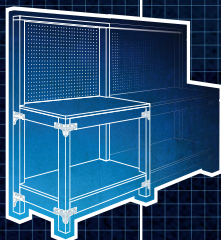
**Visit [www.simplybuildit.co.uk](http://www.simplybuildit.co.uk) to:**

- Use the online 'timber calculator' to quickly and easily find out what lengths of timber you need to cut for your project.
- Watch demonstration videos to help you get started.
- Access more project plans and ideas.

## Easy and Fast. Built to Last

Make your own customised workstation, storage or furniture for the home, garage or garden. The DIY Utility kit makes it easy to achieve sturdy connections and perfect corners, regardless of your DIY skills.

- Simple: no need for complex carpentry joints - simply slot CLS timber into the brackets and fix with the screws provided.
- Customisable: use whatever timber lengths suit your space or preference, just cut them as required and slot them together.
- Strong: designed for use with 38 x 89mm timber, the result is incredible sturdy.



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Cardinal Point  
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B78 3HG