

# SBO - Window bank

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## Introduction

The SBO-Window Bank is the first version of a moutable balcony for your window grill. The bank is designed for up to two persons, *while we strictly advice only using it for one person and on the ground floor for your own safety*. We do not take any responsibility for any damage or injury caused by the use of this product.

In the design there is enough scpace to put a cup of tea, your book, a laptop or even some flowers. The bench will add some cool vibes to your already cool looking room. If you feel like it you can even use it as a table to eat your dinner on or invite some friends over to have a drink, prefereably while sunsets.

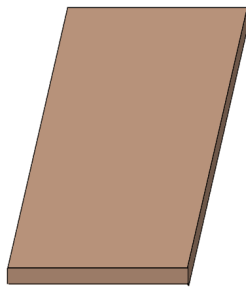
## 1 List Of Materials

To start building the bench you will need a broad overview of what materials are required. It will be fully made out of wood and metal. The following list will provide you with the necessary information. We will start by inspecting the quantity and prices.

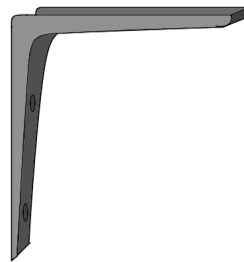
Reference	Quantity	Price/unit	Total
W1	1	30 eur	30 eur
M1	2	20 eur	40 eur
S1	8	1 eur	8 eur
S2	8	0.5 eur	4 eur
S3	12	0.5 eur	6 eur
Total	31	52 eur	88 eur

Tabelle 1: The quantity and price of the pieces.

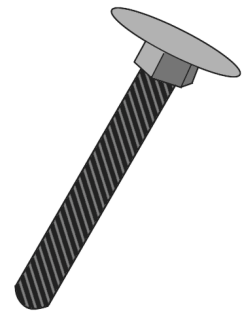
For reference, take a look at the following schematics of the pieces. They are not to scale.



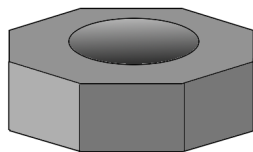
(a) W1



(b) M1, 50kg min.



(c) S1



(d) S2



(e) S3

Abbildung 1: The pieces of the bank.

## **Tools**

For building we used the following tools.

## 2 Building

We will now guide you through the building process of the bank. The information provided here is not to scale and should only be used as a reference. Whilst building we will refer to the pieces as defined in the list of materials. When cutting the wood, we will introduce subpieces, which we define accordingly for better referencing. We strongly advice to write the names onto the pieces to avoid confusion while building. We will start by *cutting*.

### 2.1 Cutting

This section contains schematics advising you on how to cut the wood. Do not follow these instructions without experience. We strongly advice to ask a professional for help. We do not take any responsibility for any damage or injury caused during the entire building process.

#### Main board

Firstly we start with the founding piece of the bank. Cut two  $20 \times 18 \text{cm}^2$  pieces from W1. We will later use the rest of the wood to cut additional pieces. For reference we will call the two pieces W1.1 and W1.2.

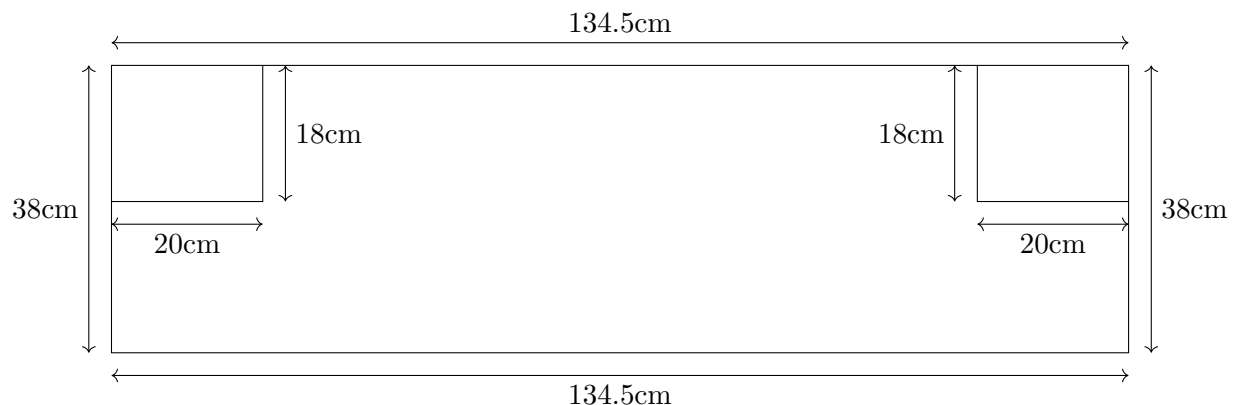


Abbildung 2: Scale is 1:10.

#### Triangle - Wall Protections

We will now cut two long  $20 \times 4 \text{cm}^2$  wood on both side of W1.1. The goal is to provide a protection between the wall and the metal triangles. For reference we will call the two pieces W1.1.1 and W1.1.2.

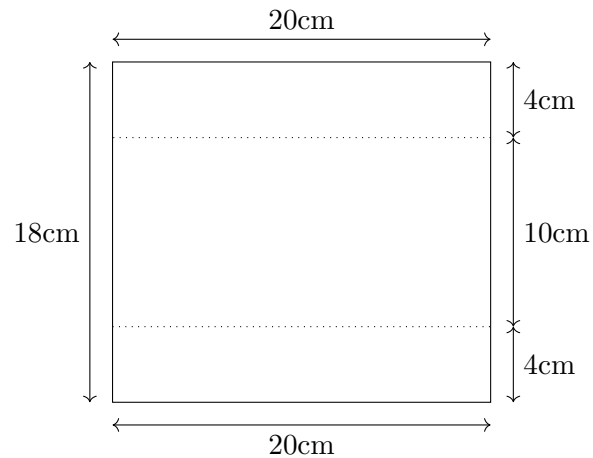
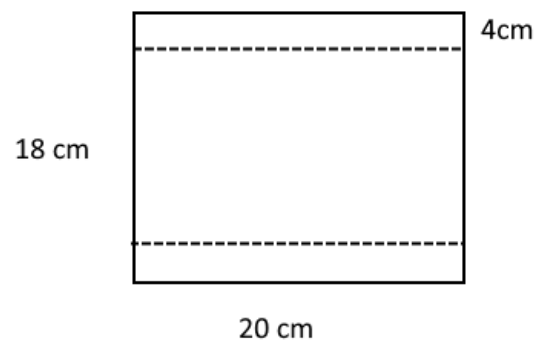
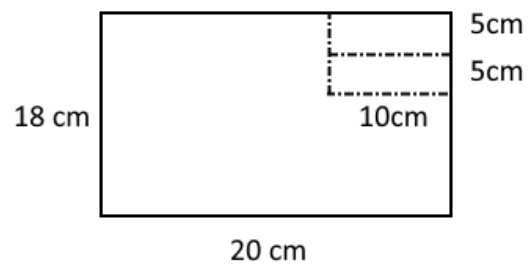


Abbildung 3: Scale is 1:4.

Abbildung 4: Cut two long  $20 \times 4 \text{ cm}^2$  wood on both side of W1.1

### Rear Support

We need support for the bank when you are on the rear of it to avoid falling back. These pieces are fixed under the board and take support on the fixations of the railing to the walls. We will now cut two small  $10 \times 5 \text{ cm}^2$  wood in the rest of W1.1. You get two pieces that we define as W1.2.1 and W1.2.2.

Abbildung 5: Cut two long  $10 \times 5 \text{ cm}^2$  wood on both side of W1.2

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