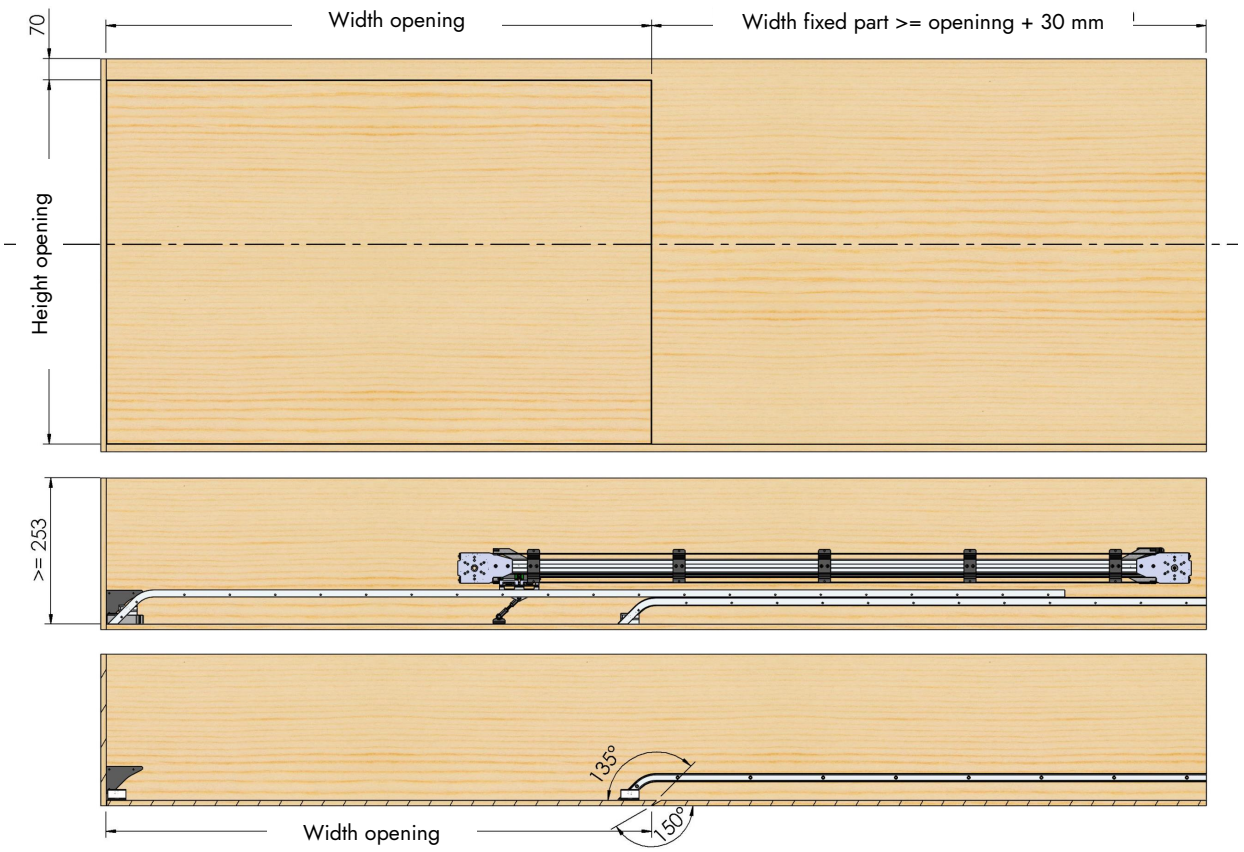
Aletta

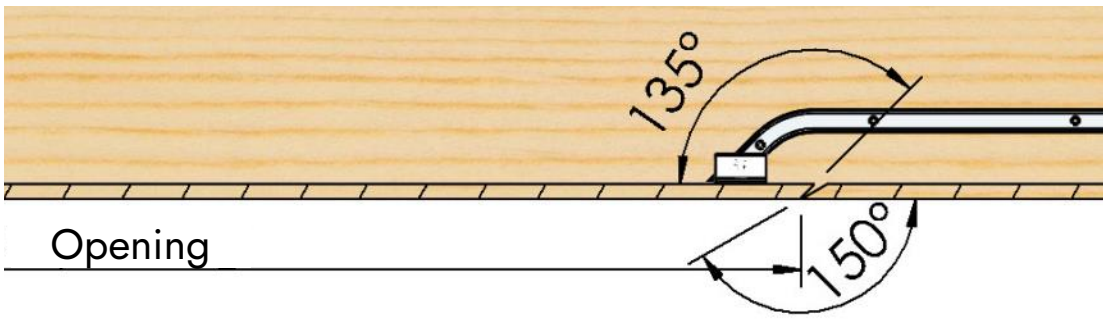
TECHNICAL

VANBOT
Mechatronic development

vanbot.be

The body of the cabinet



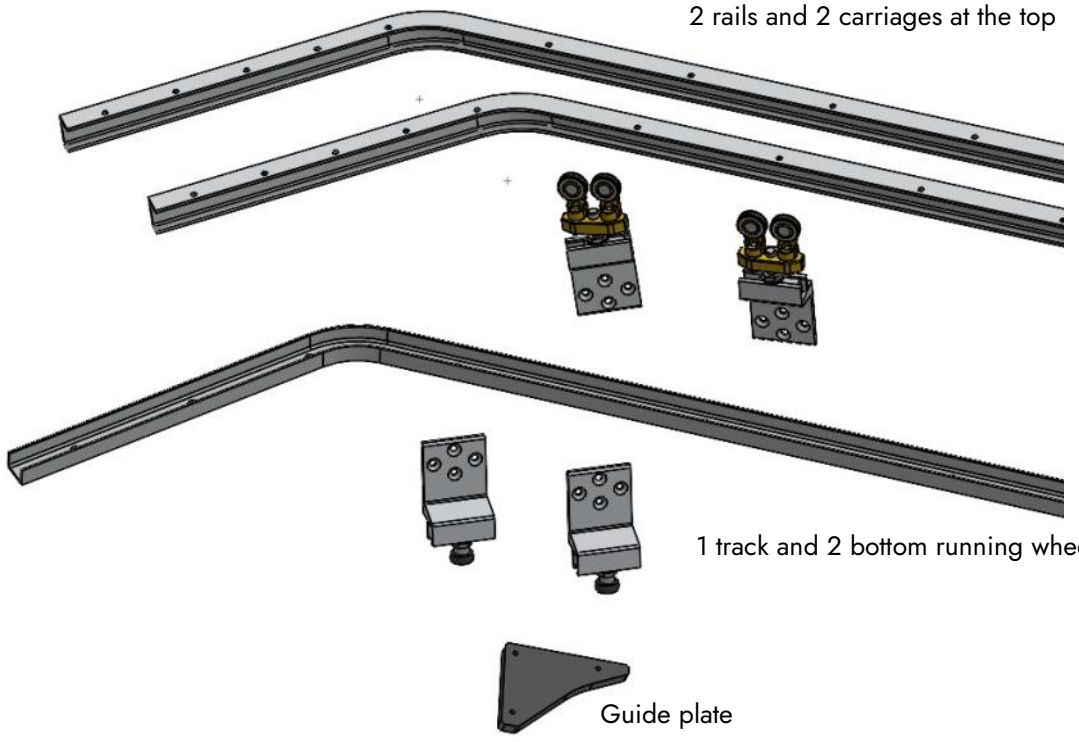


The **width** of the opening into which the sliding panel enters can be **up to 3000 mm**.
The height of the opening itself has no limitation, only that the **moving panel** may not weigh more than **70 kg**.
The **fixed part** is at **least 30 mm** wider than the opening.
The **depth of the cabinet** from the back of the moving panel must be **at least 253 mm**.

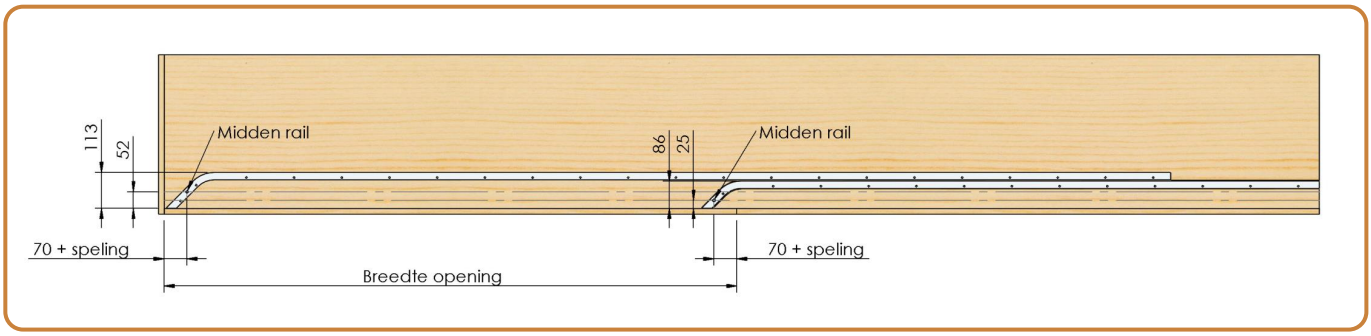
The guide fittings

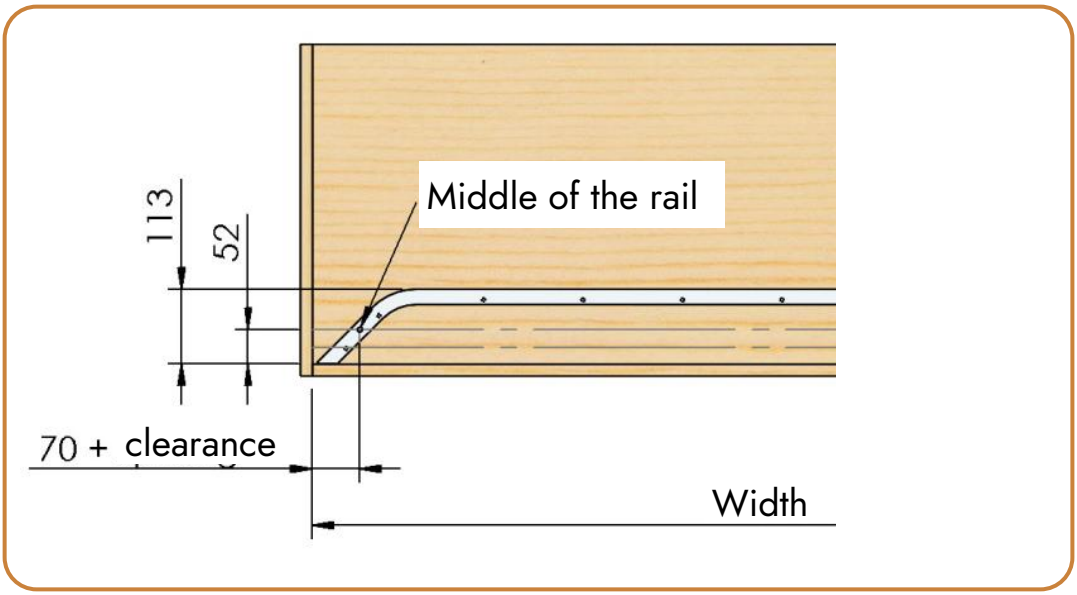
The guide hardware is **Planfront 70 from HAWA**. It consists of 2 rails for the top (against the cabinet ceiling) with 2 trolleys attached to the door. Each trolley runs in a separate rail. For the bottom there is one rail with 2 trolleys , one in the rail and one for the guide plate (see below). The rails have a length of 3m and will have to be shortened accordingly.

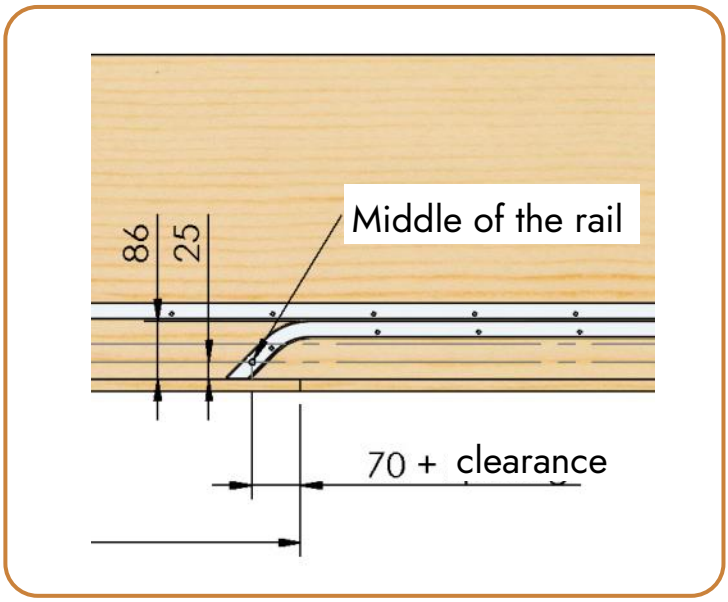
Components



Mounting upper rails on the ceiling

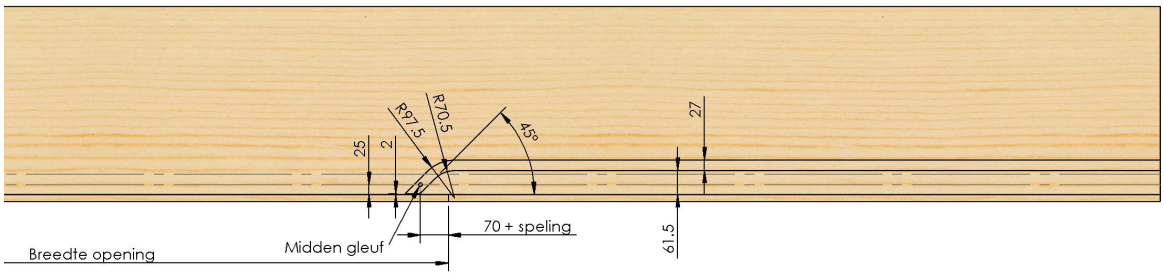


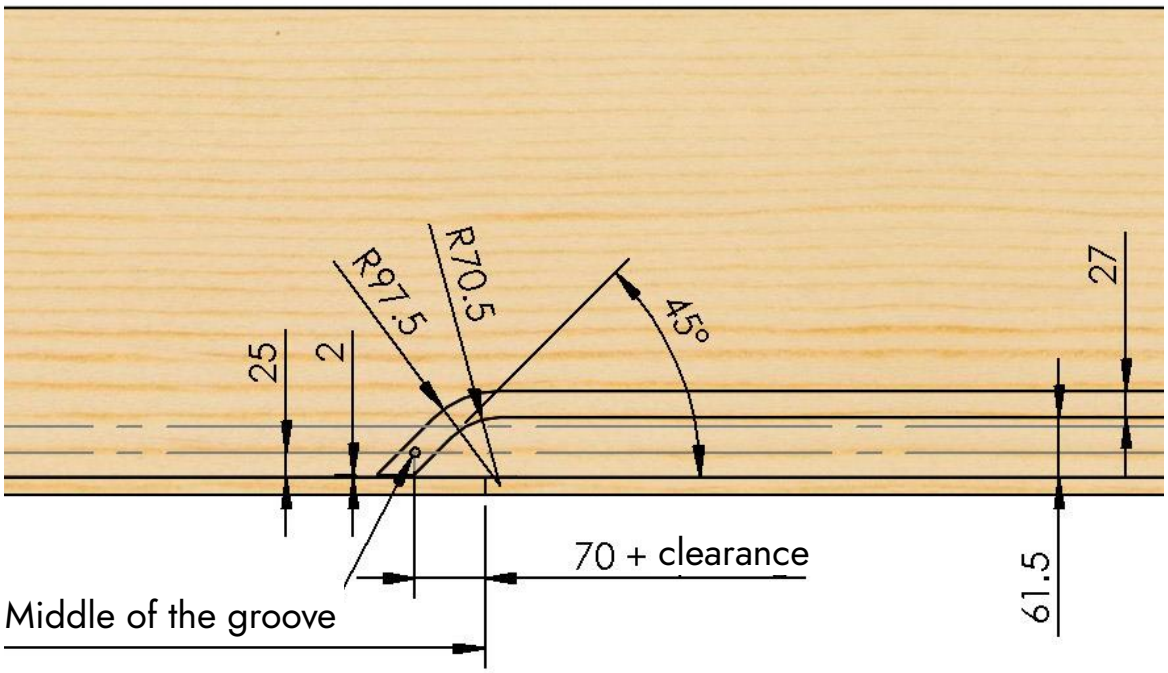




Milling groove bottom

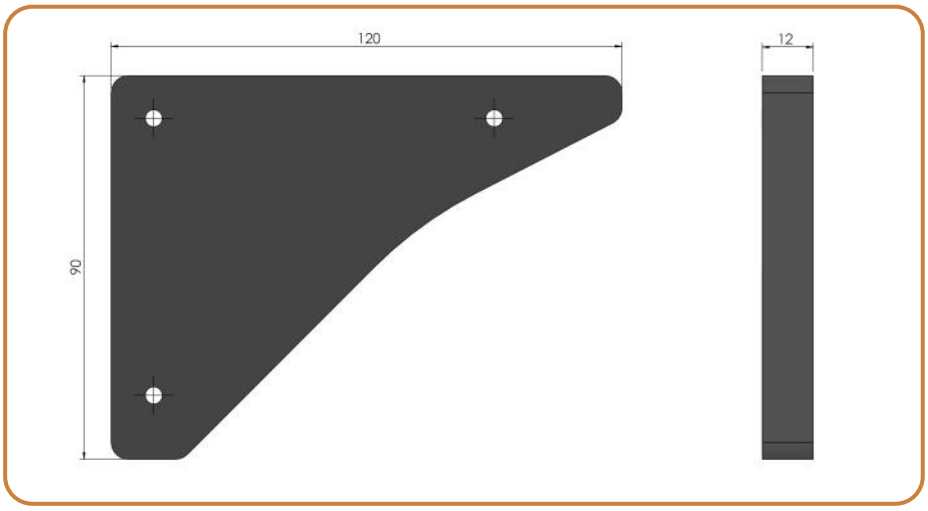
The bottom rail is milled into the bottom of the cabinet. Herewith the dimensions of the necessary slot. The depth of the slot is 20 mm



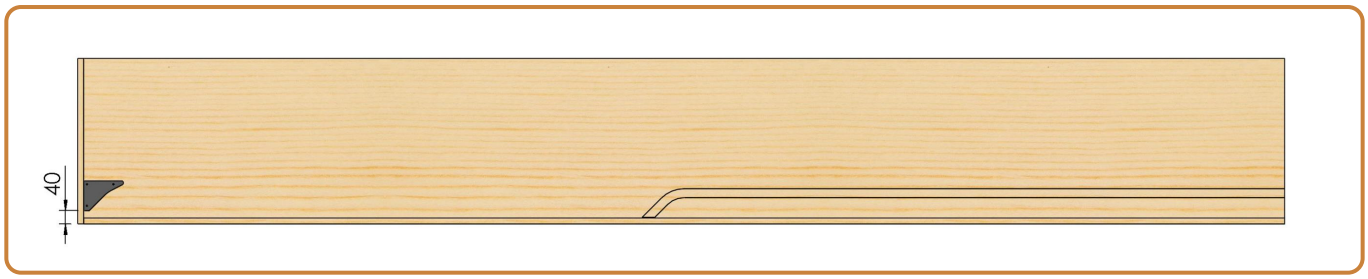


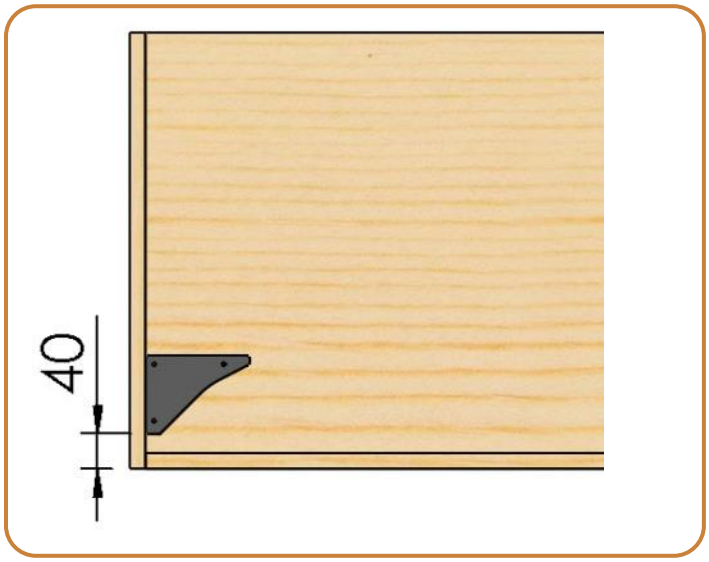
Placement of guide plate on the floor

The included guide plate is made of 12 mm black HPL, but can just as easily be recreated from the same type of wood as the furniture.

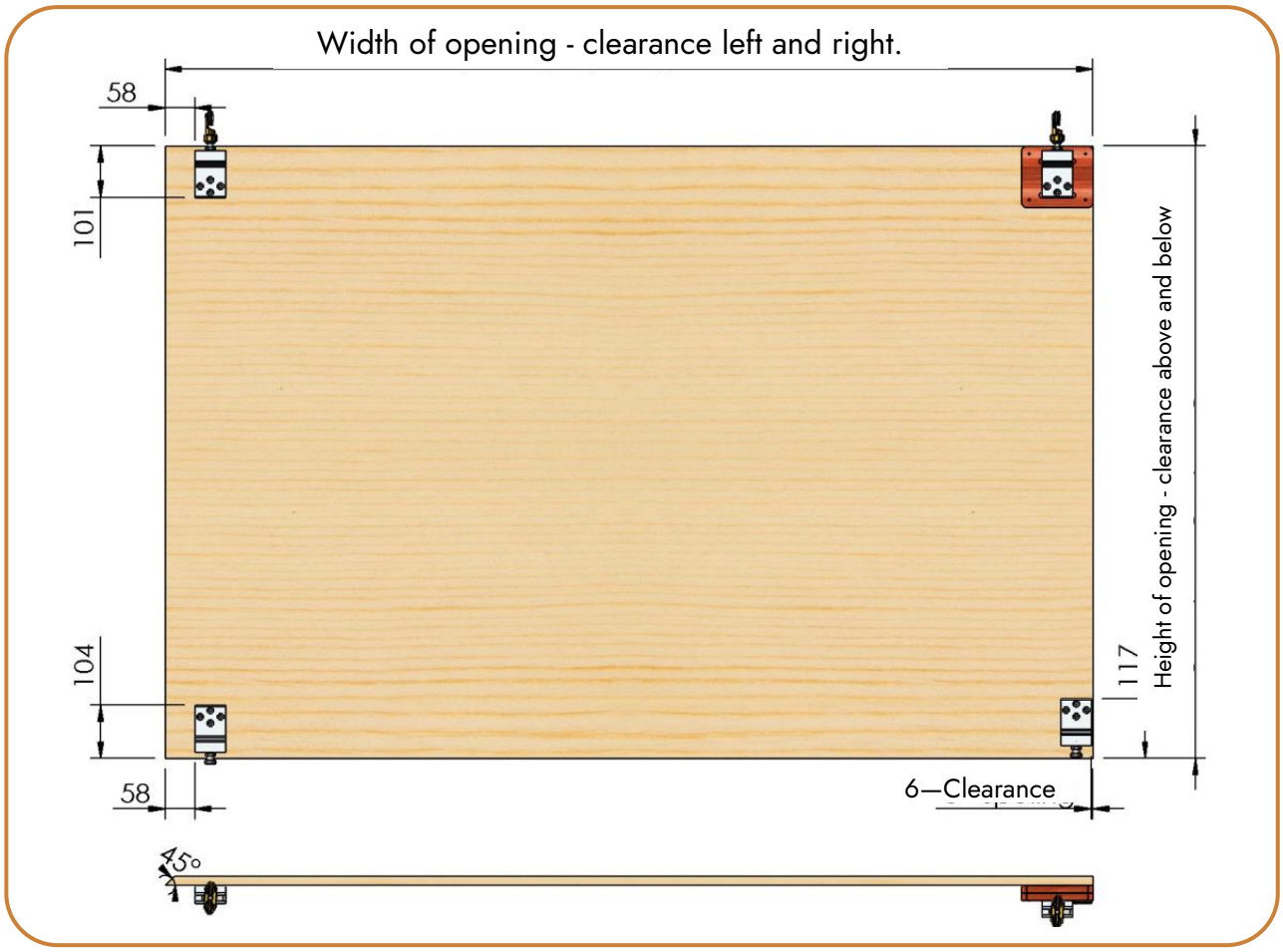


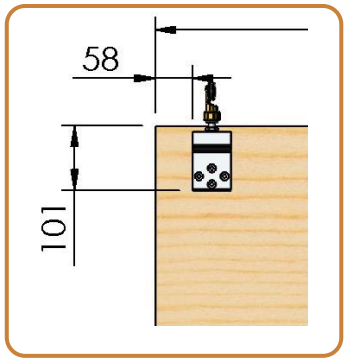
The guide plate is placed on the bottom against the side of the cabinet 40 mm from the front.

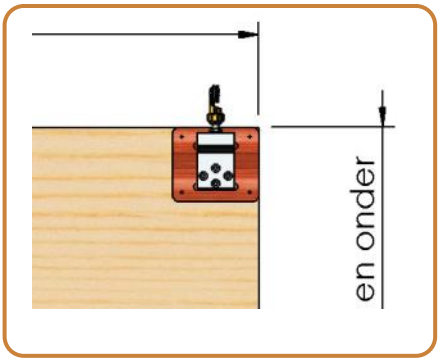


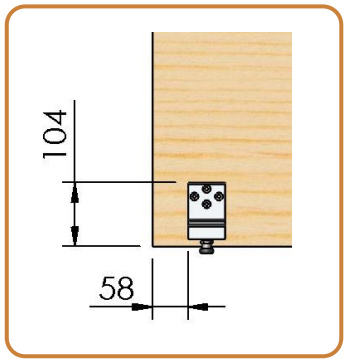


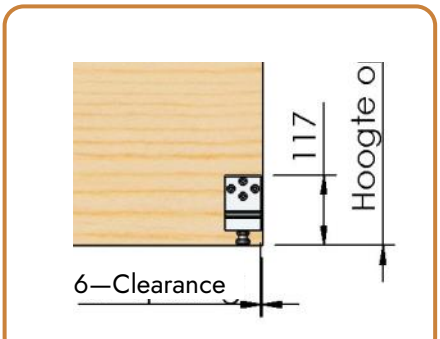
Construction and dimensions moving panel









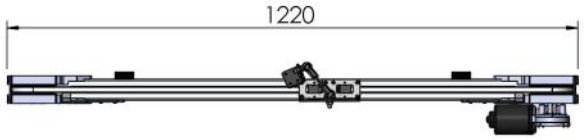


The drive module

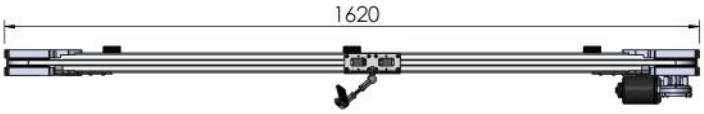
The operator module exists in 10 versions, 5 lengths for a left-hand moving door and 5 lengths for a right-hand moving door.

For right door with width:

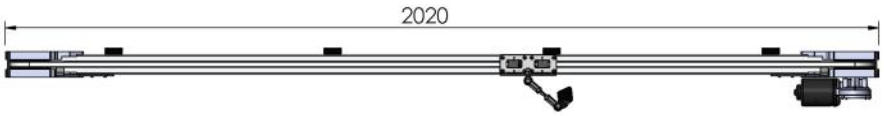
800 mm:



1200 mm:



1600 mm:



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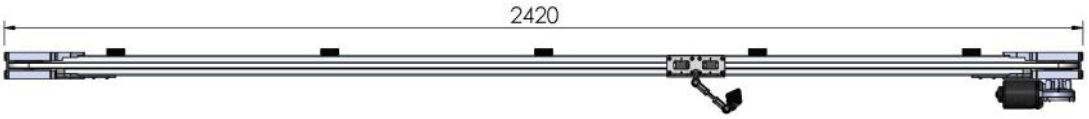
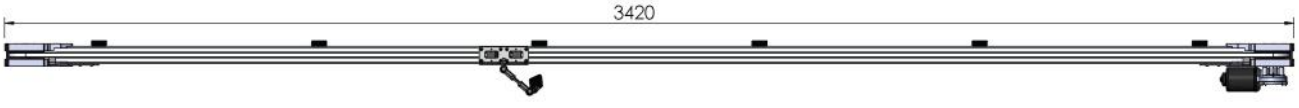
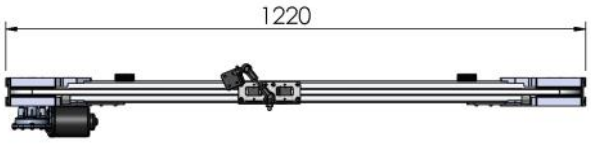


3000 mm:

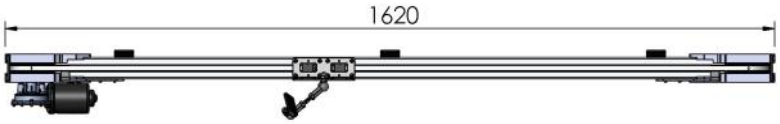


For left door with width:

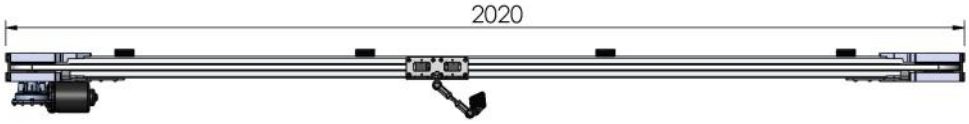
800 mm:



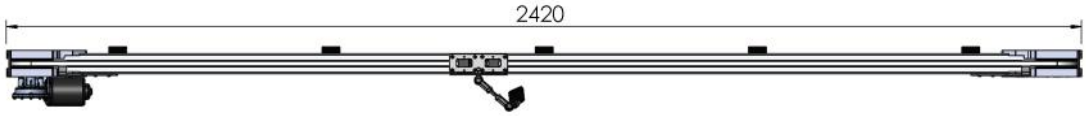
1200 mm:



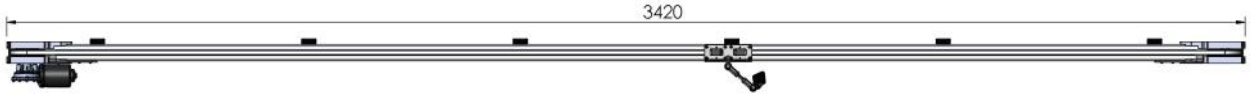
1600 mm:



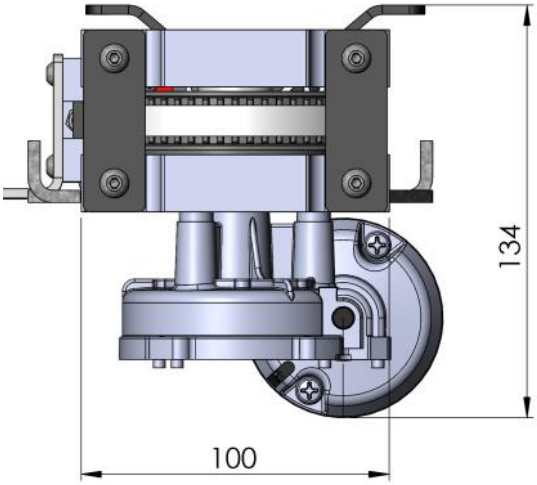
2000 mm:



3000 mm:

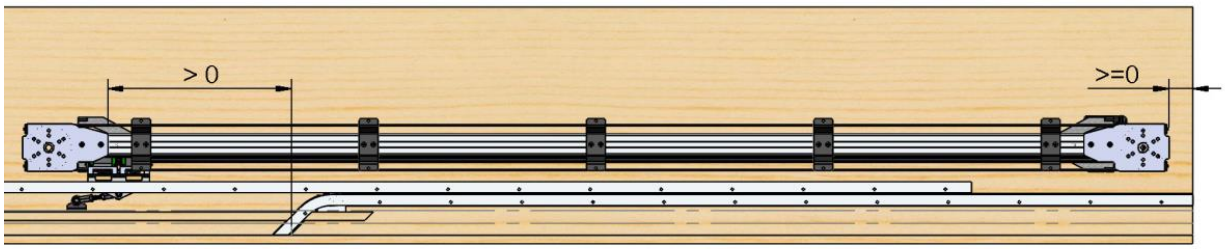


Module dimensions in side view

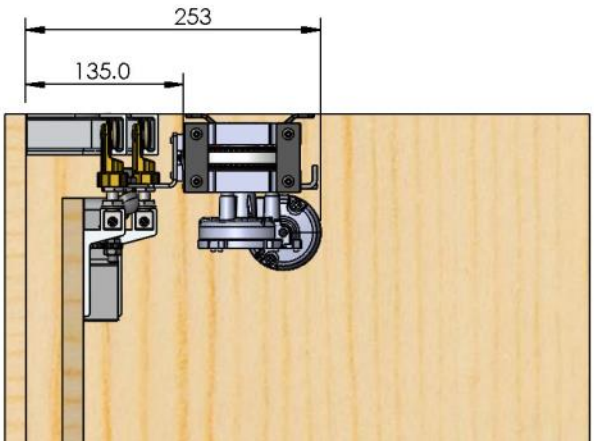


Mounting module

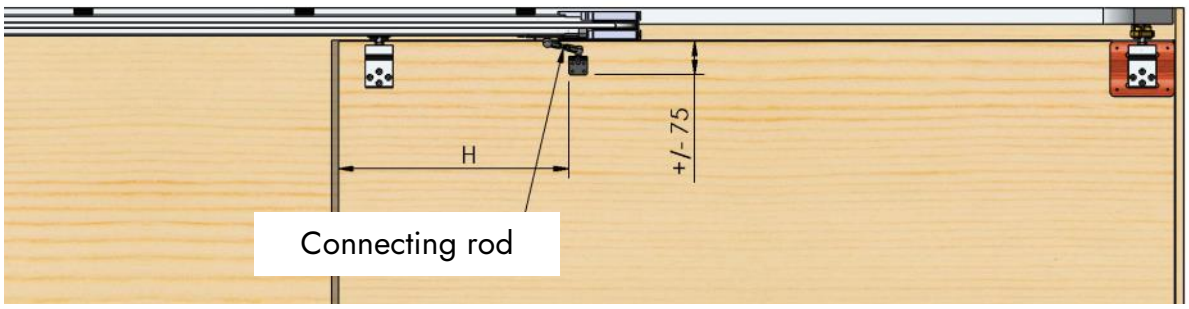
Horizontally, the head of the module is at least in front of the moving door and the other end is obviously at least inside the corpus.



In depth, the module is at a fixed distance from the fixed panel.



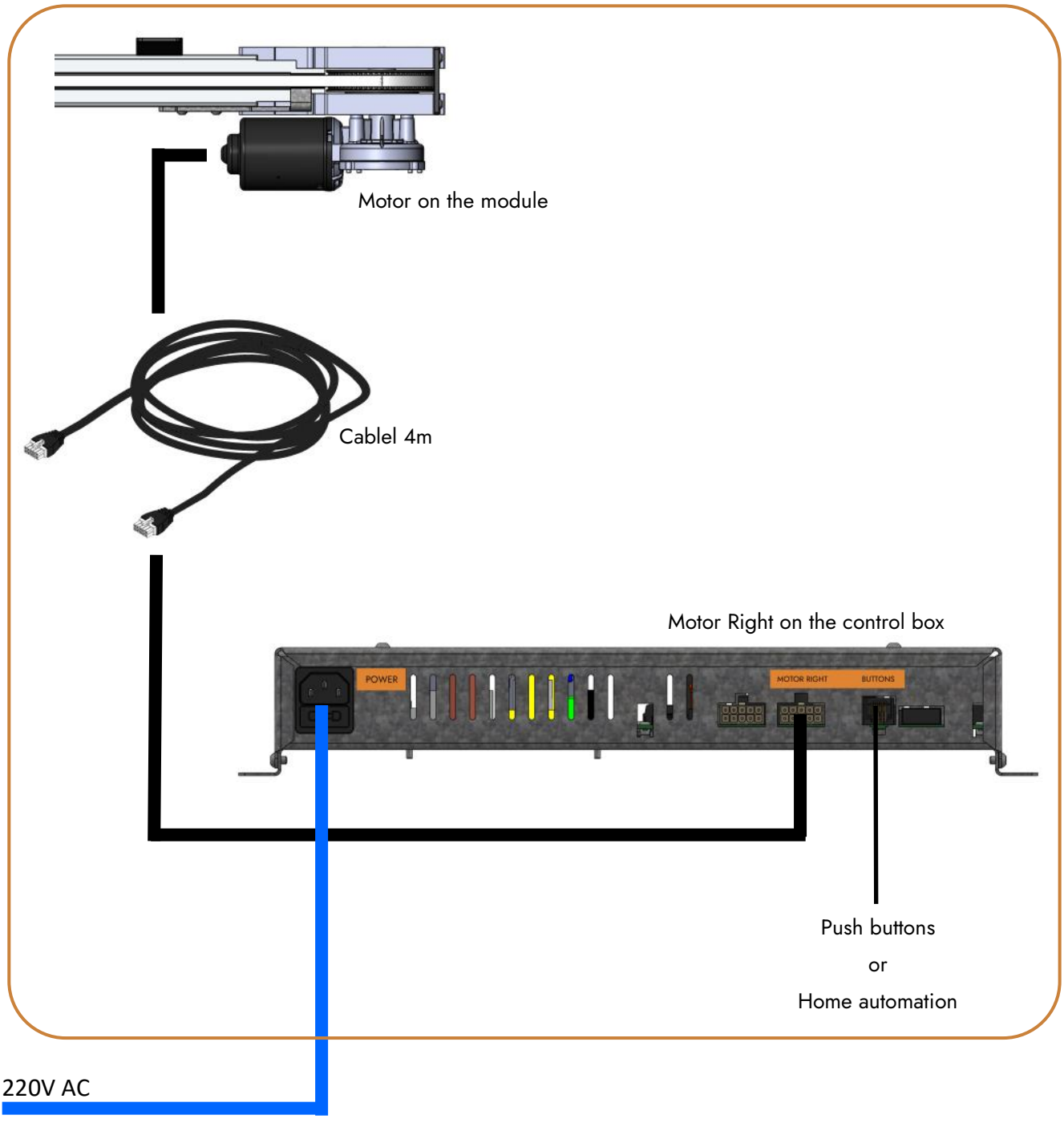
The connecting rod is as parallel as possible to the door panel , although this is not critical. Logically, the module 'pulls' the door open and 'pushes' it closed. The distance H is the horizontal position of the connecting corner piece and is determined when the door is closed and the carriage of the module is in the forward position.



The control

The control box

The cabling


Motor on the module
Cablel 4m
Motor Right on the control box
POWER
MOTOR RIGHT
BUTTONS
Push buttons
or
Home automation
220V AC

The software

The control software is very simple in design. No settings or adjustments need to be made.

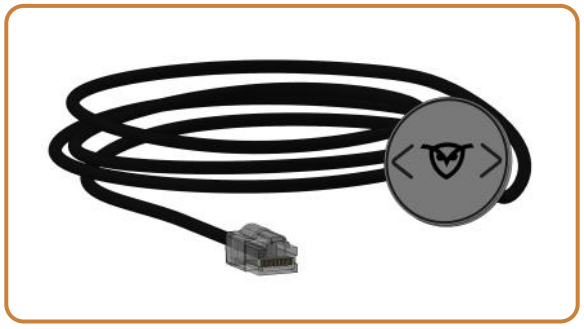
At start-up (applying voltage 220V AC) or after a power failure, the panel can only move slowly to the OPEN state. Once the door is fully up, the 'CLOSE' button can also be used and the door can be closed (albeit slowly).

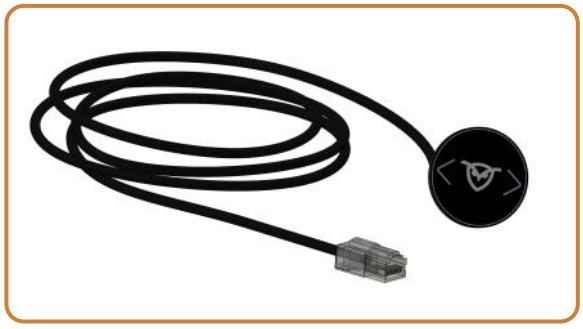
Once the CLOSE - state is reached , the door can now move quickly in both directions , to open and close the door.

The operation

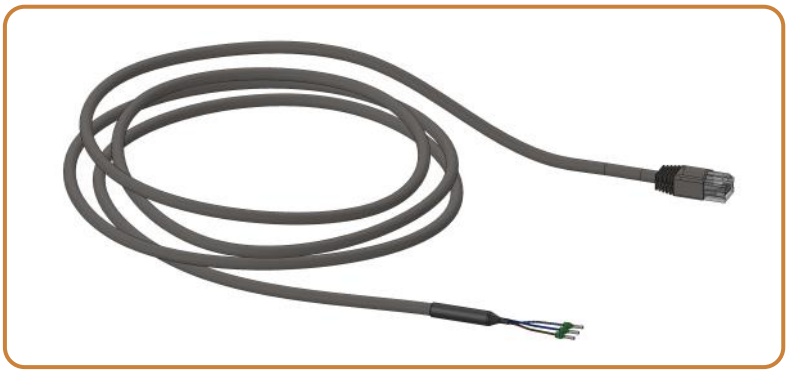
Remote control

Vanbot Push buttons





Own push buttons or home automation



Notes

Notes