

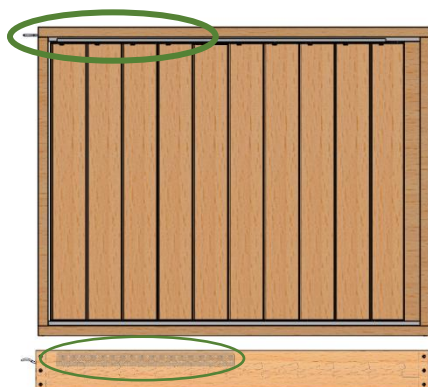
Motorised wooden shutters

Assembly instructions

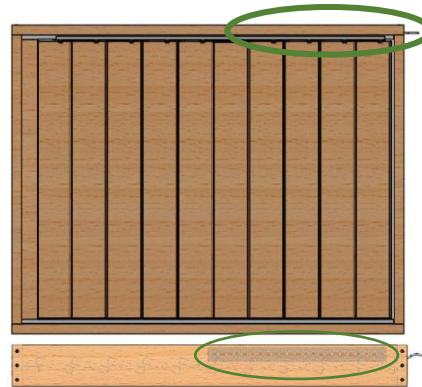


Left and right shutters

LEFT: motor at top - back
– left



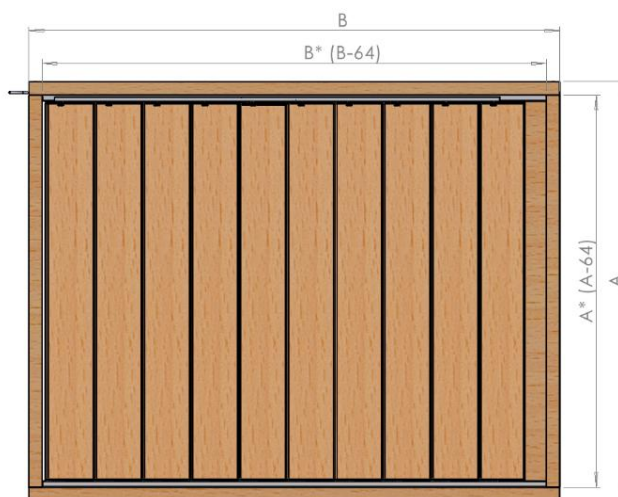
RIGHT: motor at top – back
– right



Motors are always situated at the top of vertical shutters

Dimensions and number of louvers

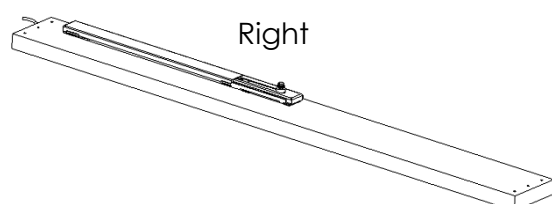
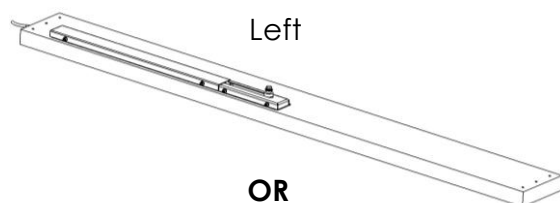
# Louvers	B size (mm)		B* size (mm)	
	From	To	From	To
5	658 -	772	594 -	708
6	773 -	887	709 -	823
7	888 -	1002	824 -	938
8	1003 -	1117	939 -	1053
9	1118 -	1232	1054 -	1168
10	1233 -	1347	1169 -	1283
11	1348 -	1462	1284 -	1398
12	1463 -	1577	1399 -	1513
13	1578 -	1692	1514 -	1628
14	1693 -	1807	1629 -	1743
15	1808 -	1922	1744 -	1858
16	1923 -	2037	1859 -	1973
17	2038 -	2152	1974 -	2088
18	2153 -	2267	2089 -	2203
19	2268 -	2382	2204 -	2318
20	2383 -	2497	2319 -	2433
21	2498 -	2612	2434 -	2548
22	2613 -	2727	2549 -	2663
23	2728 -	2842	2664 -	2778
24	2843 -	2957	2779 -	2893
25	2958 -	3072	2894 -	3008



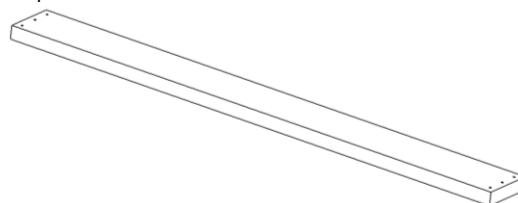
Watch our assembly instruction video on YouTube at
<https://www.youtube.com/@carpentierhardwoodsolution5796/videos>

Components

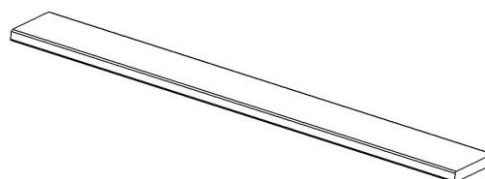
1 x post 32x130 - B size with motor
 pre-assembled / left or right



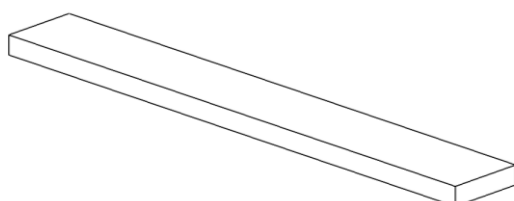
1 x post 32x130 – B size



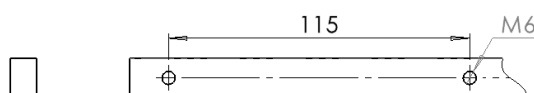
.... x louvers 20x120 or 25x120
 (number depends on order specifics - see table)



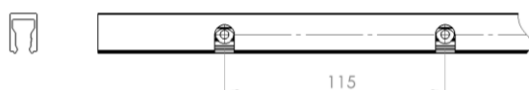
2 x post 32x130 – A size



1 x adjustment slat (LS_WL_01_0168)



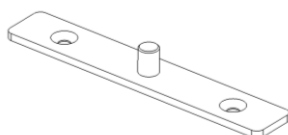
2 x louver holder (LS_WL_01_0159)



2x cover plate for louver holder
 (LS_WL_01_0160)



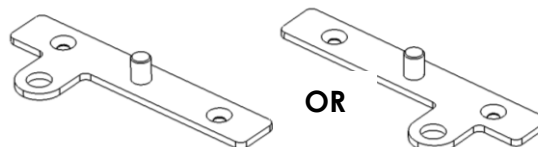
... x end plate (LS_WL_01_0075)
 (1x per louver)



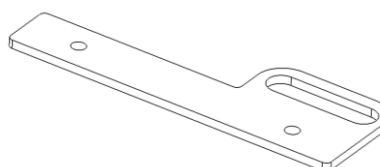
... x end plate with eye /left or right

Left
 (LS_WL_01_0074)

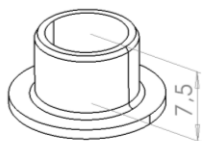
Right
 (LS_WL_01_0103)



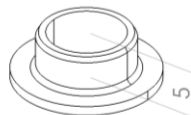
1 x steering end plate (LS_WL_01_0109)



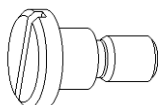
... x slide bearing (PFM_0810_075)
 (2x per louver)



... x slide bearing (GFM_0810_050)
 (1x per louver)



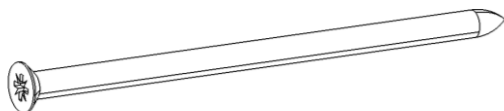
... x DIN923 pan-head screw M6x6
 (1x per louver)



... x wood screw Ø4x25
 (6x per louver)



12 x wood screw Ø5x100

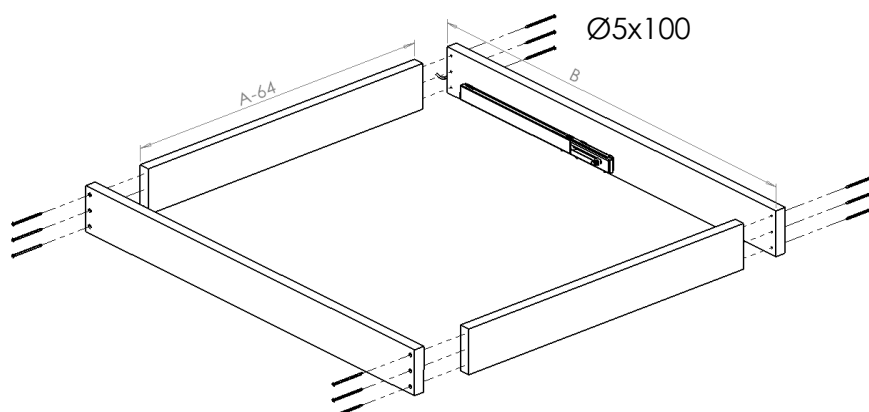
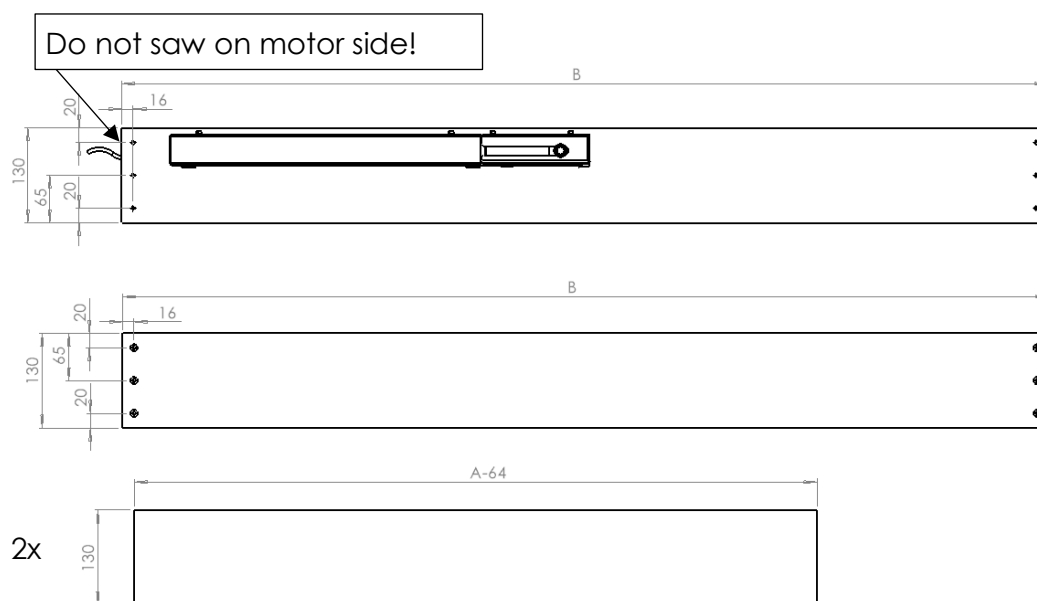


Assembly *(instructions shown are for left panel)*

1. Assemble frame

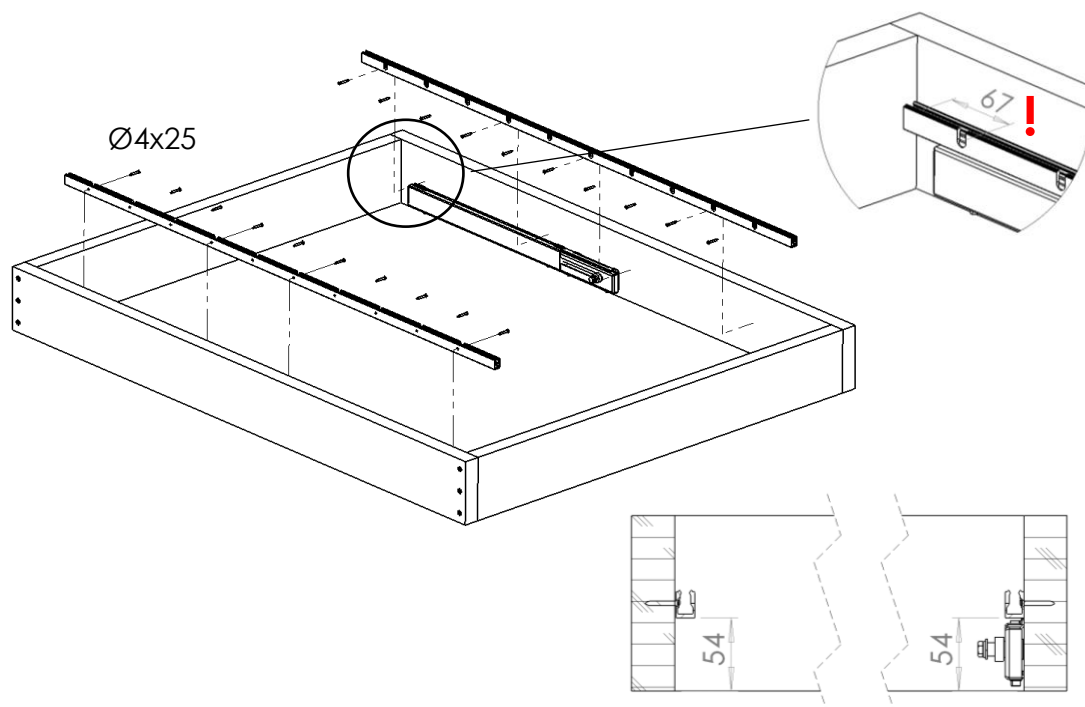
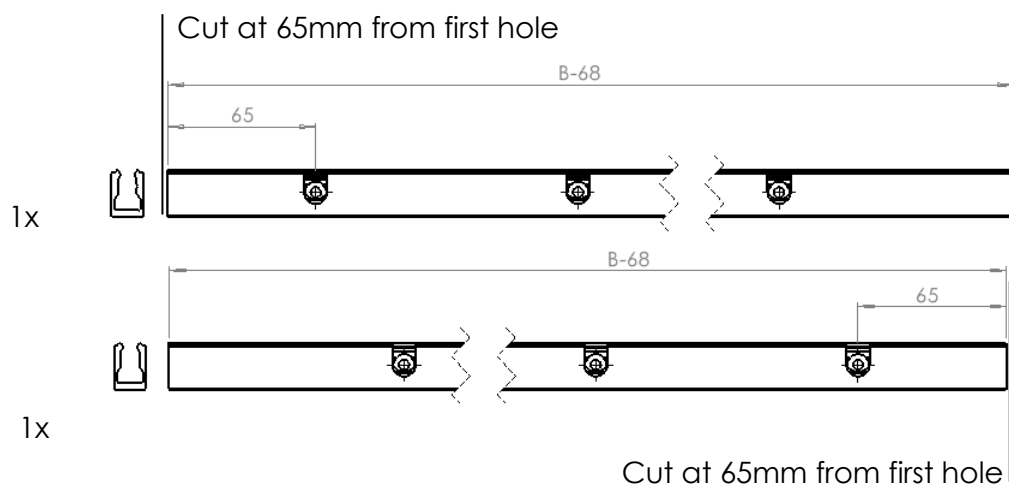
Cut posts to size for 32x130 frame

Pre-drill for screws



2. Assemble louver holders

Cut louver holders to size

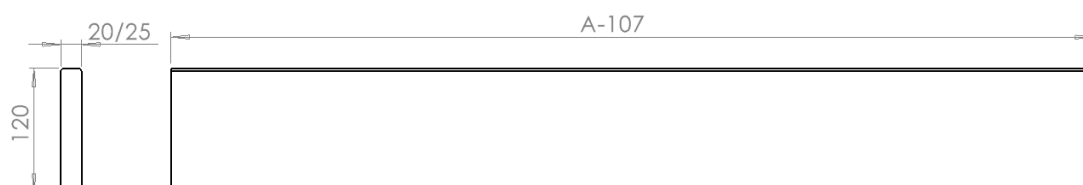


3. Assemble louvers

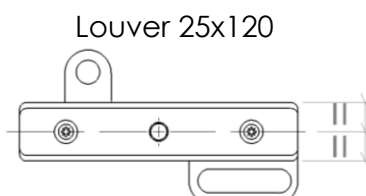
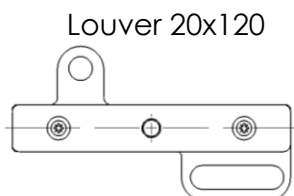
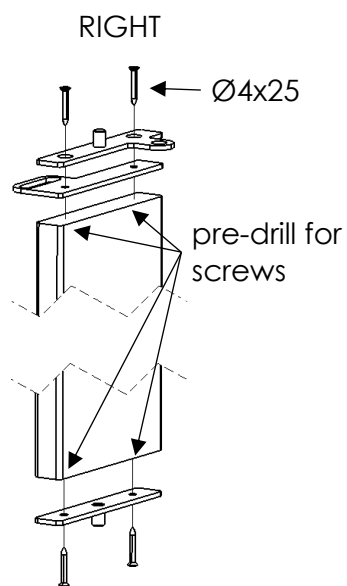
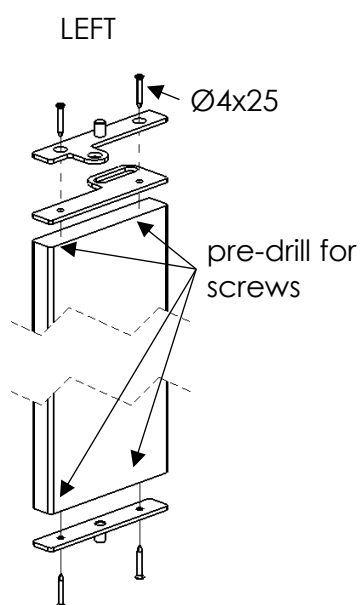
One louver serves as a driver and is attached to the motor.

Driver louver: 1 piece

Cut wood to length A-107 mm

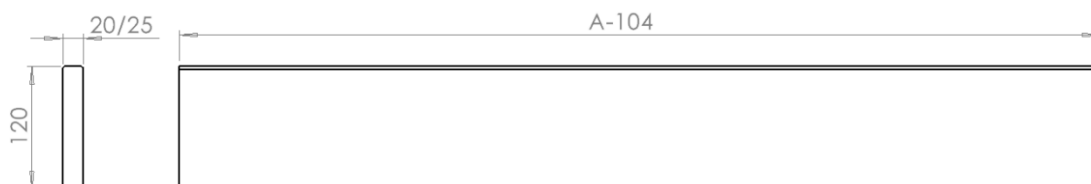


Assembly

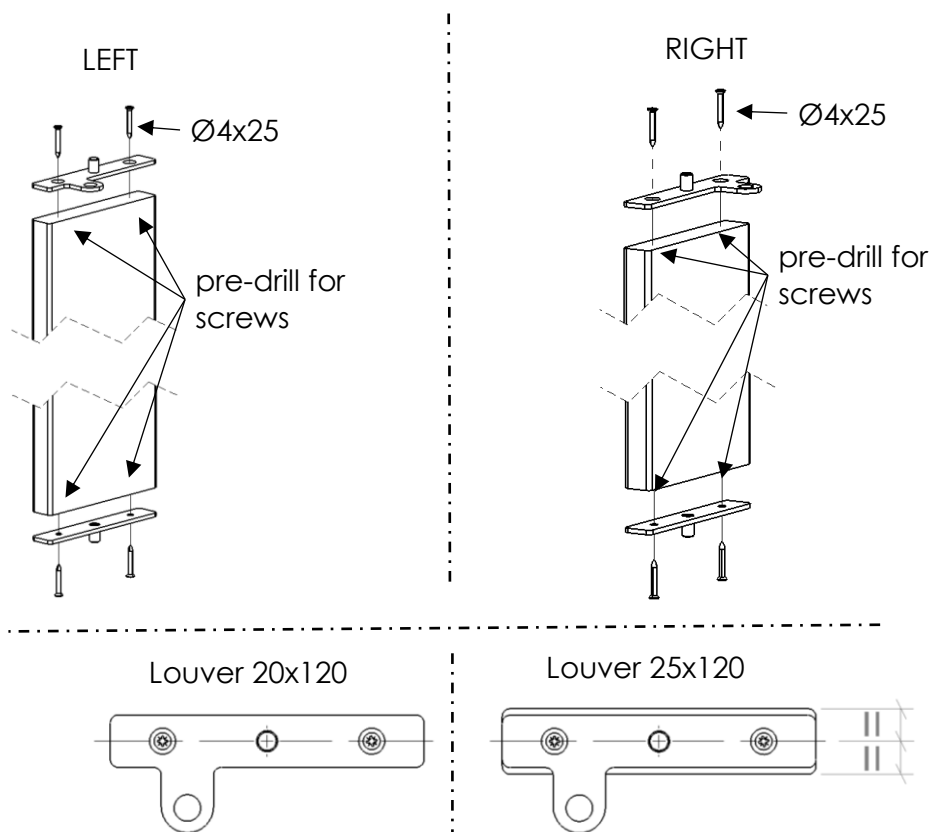


Louvers: (total number - 1) pieces

Cut wood to length A-104 mm



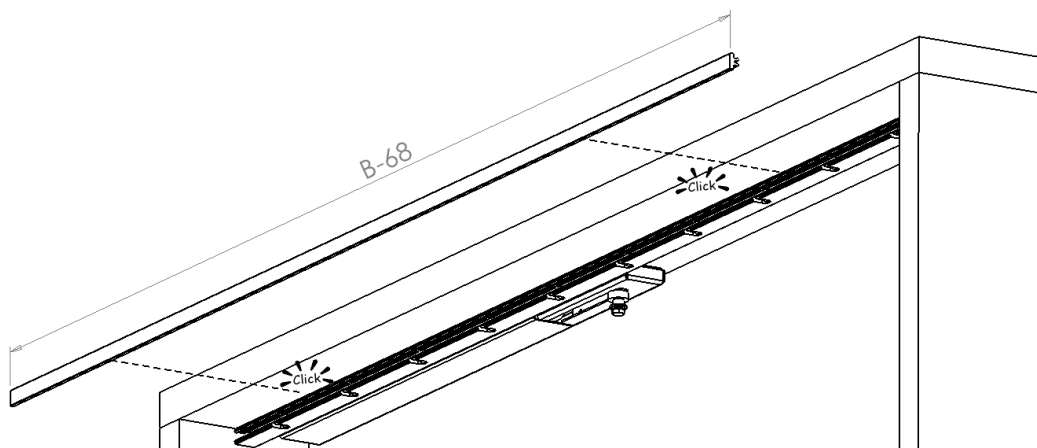
Assembly



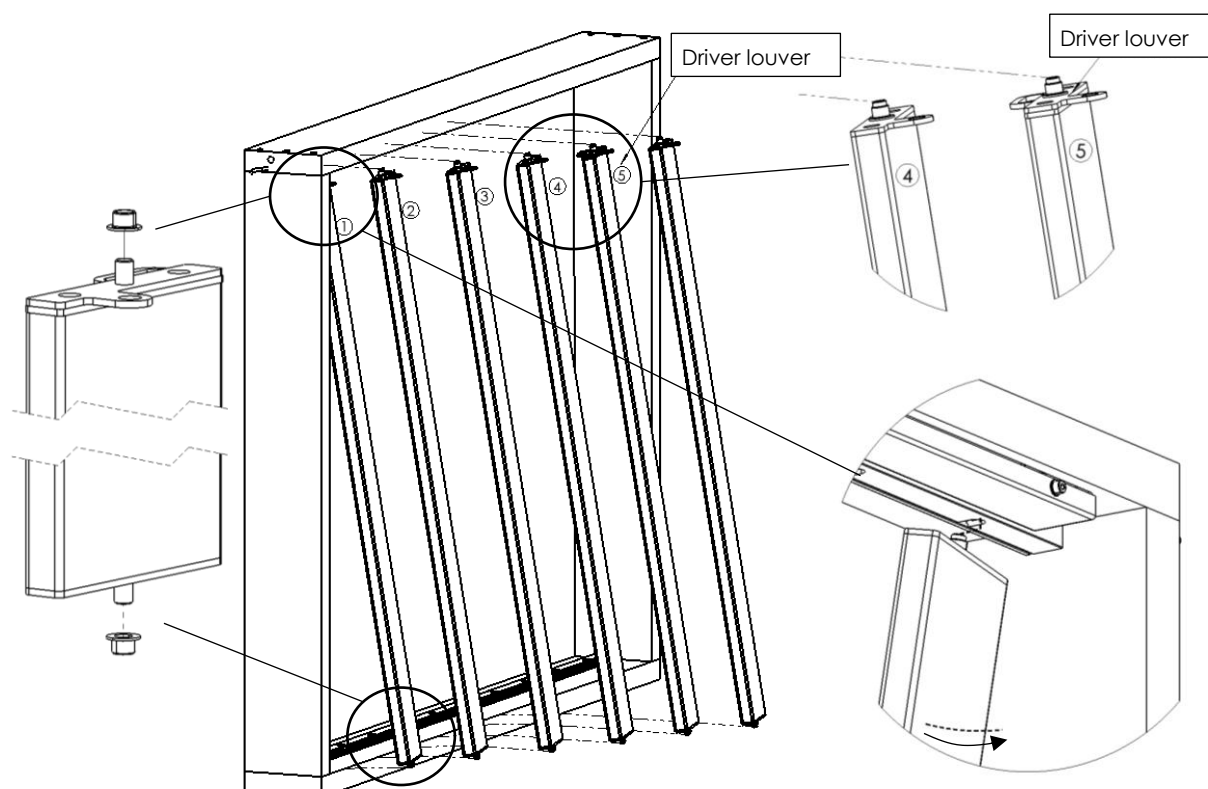
Tip: A slight curvature of the wood may occur.
 Check the curvature and place the convex and concave sides of all planks on the same side for the best result.

4. Installing louvers

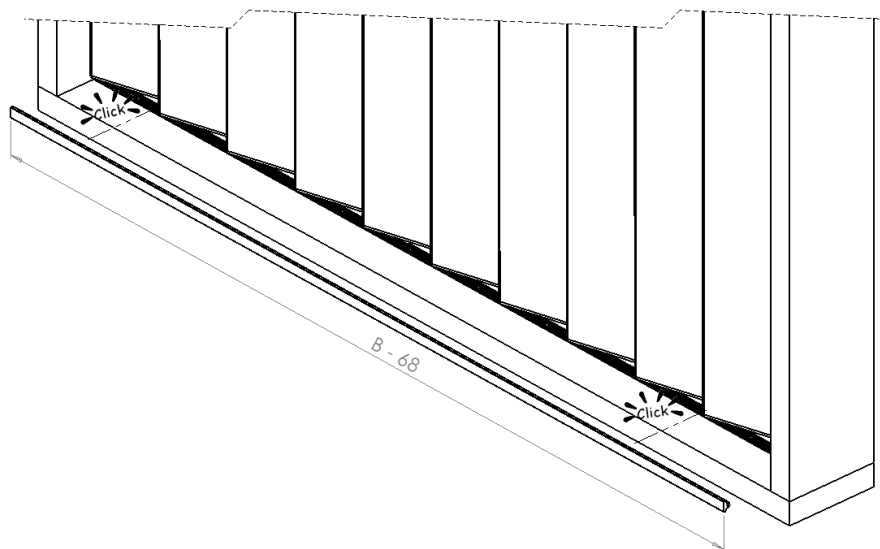
- Cut upper cover to size and attach to louver holder



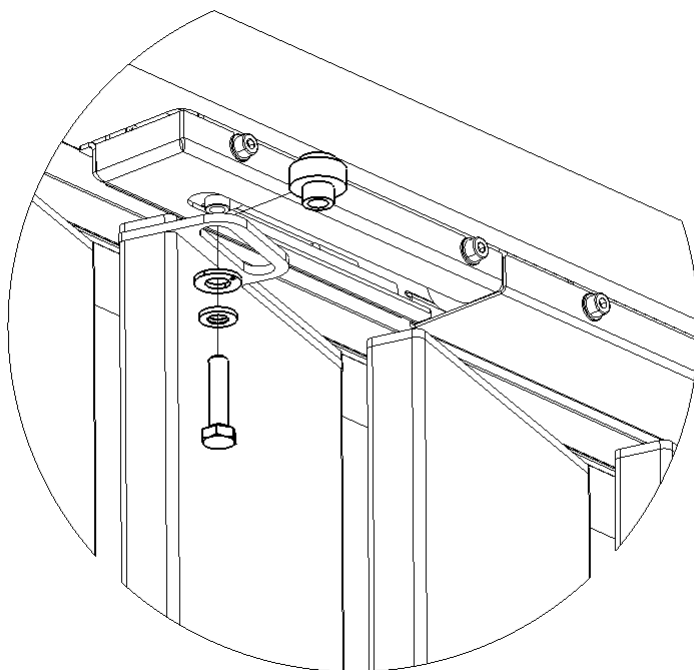
- Install louvers



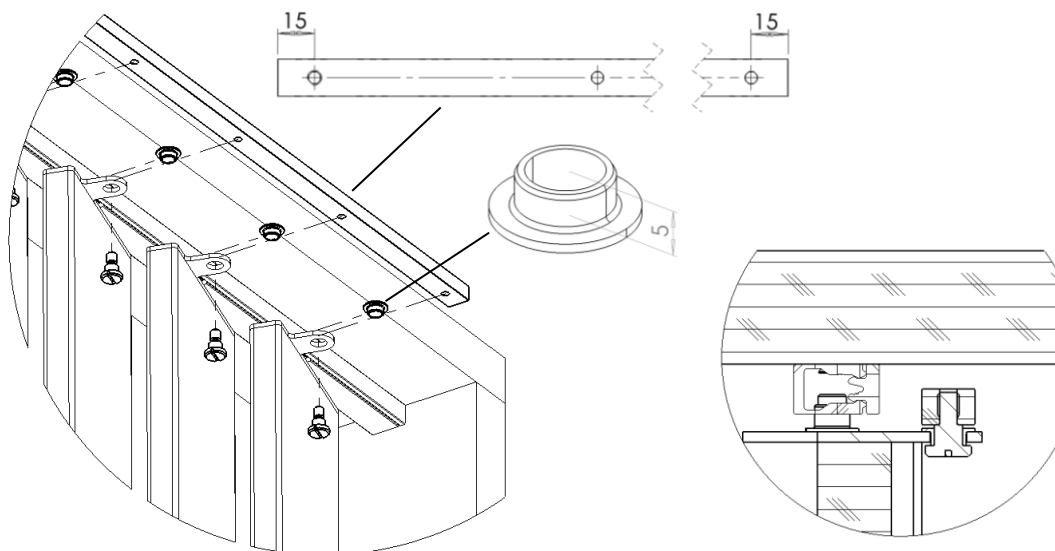
- Attach lower cover



5. Installing the motor

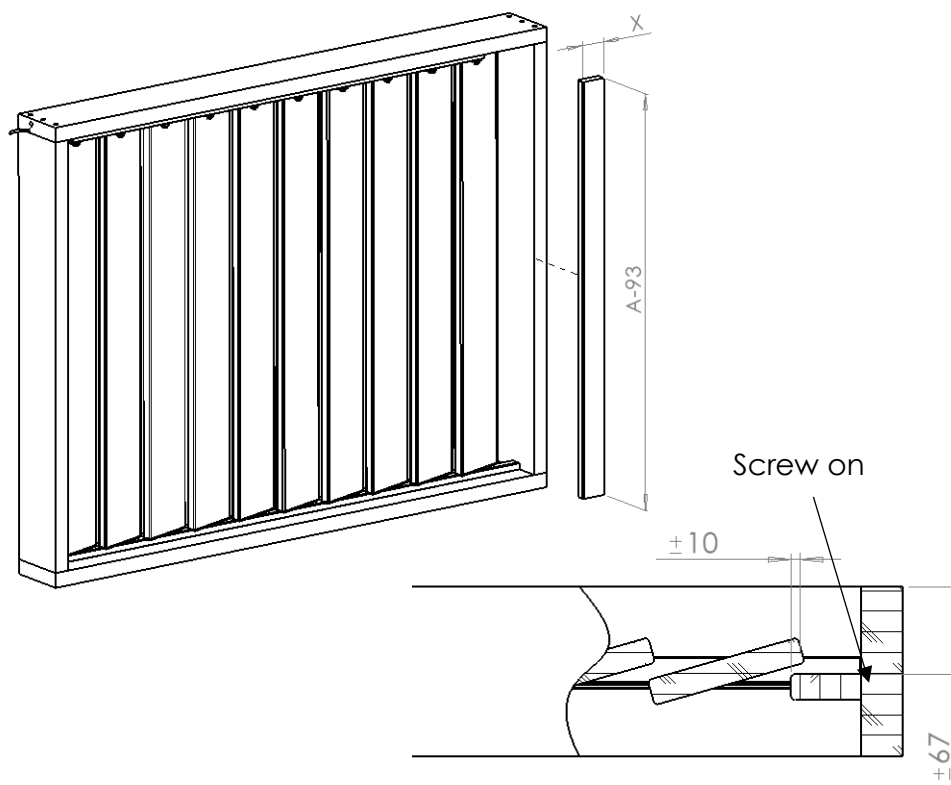


6. Link louvers

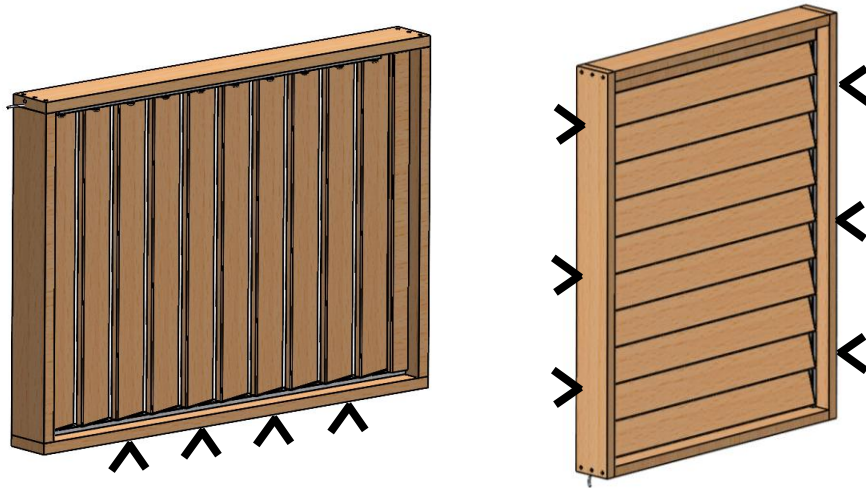


7. Install filler louver

From a 20x120 or 25x120 louver, cut a filler louver to size



8. Installation tips



- When installing vertically aligned shutters, ensure that the lower edge of the frame will be firmly supported in order to prevent sagging.
- When installing horizontally aligned shutters, ensure that the sides of the frame will be firmly supported in order to prevent bulging.
- With all shutters, ensure that the lower edge of the frame will not be exposed to moisture or rising damp. If the installation site is not consistently dry, protect the frame by raising it off the ground onto water-impermeable blocks.
- Louvers may fall out of the finished shutter if the frame sags or is distorted during transport. If shutters will be moved to their final location after assembly, ensure that the frame is firmly supported on all sides so that it retains its shape.
- Leave louvers open in windy and stormy weather.

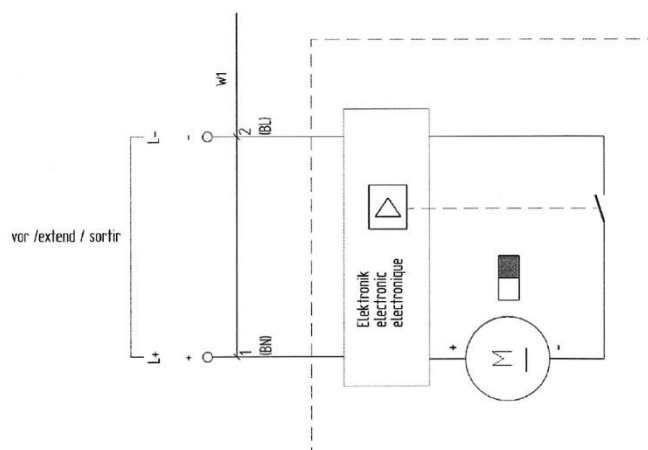
9. Electrical components

Shutters come with a 24V, 1A linear motor and are equipped with a power cord measuring $\pm 2\text{m}$. The running direction of the motor can be adjusted by reversing polarity.

Installation of electrical components must be carried out by a qualified professional.

Technical specifications	Piccolo 0
Rated voltage	24 V DC
Force, dynamic	900 N
Force, static	900 N
Stroke speed	4,5mm/s
Stroke length	75 mm
Rated current	1 A
Power	24 W
Duty cycle	KB 5 min
Length of the connection cable	2,0 m
Protection class	IP 67
Operating temperature range	-20 °C to +80 °C (Version B: 0 °C to +80 °C)
Airborne noise emission	< 70 dB(A) ¹⁾

1) 1m distance; 1.6m above unit; nominal operation; measuring tolerance 10%



	Cable 1	Cable 2	Motor direction
Situation 1	+	-	Outward (closes louvers)
Situation 2	-	+	Inward (opens louvers)

Multiple motors can be operated using a single steering unit by installing motors in a parallel configuration. In this case, ensure that the capacity of the power supply and the steering unit are sufficient to meet the total power requirement of all connected motors. For more information, see motor manual.