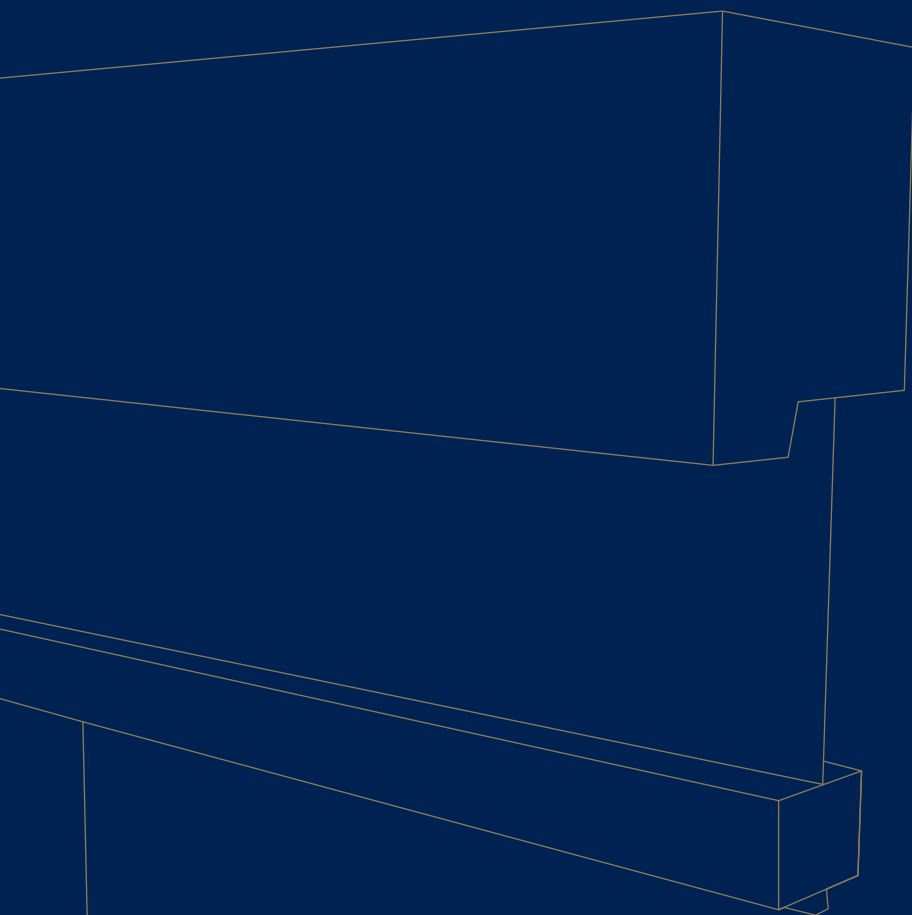


# ZIPSHADE® MINIMAL


New construction IM 7

INSTALLATION INSTRUCTIONS



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 **NOTE**

Please note that the indication in inches does not correspond exactly to the measurements in mm.

## 1 • General

### ! SAFETY

Ensure adequate compliance with safety regulations during work on site:

- use hydraulic platforms or aerial work platforms instead of ladders
- clearly mark off the area under/around the installation site
- wear suitable safety clothing and safety shoes
- accurate work is smoother, safer and ultimately faster

Zipshade Minimal **IM 7** consists of:

- Head box M or L including the high-quality fabric, fabric tube, and motor.
- For each system, a single pair of side guiding channels.
- For each coupled system, a single pair of side guiding channels and one coupling side guiding channel.
- A separately supplied or assembled weighted bottom bar of your choice that guarantees the fabric is guided smoothly.
- A supplied hook profile or base box M.W+ of your choice that makes installation much easier.

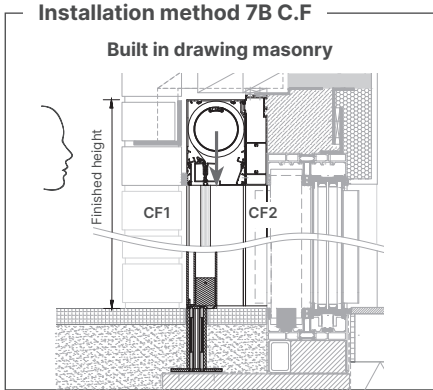
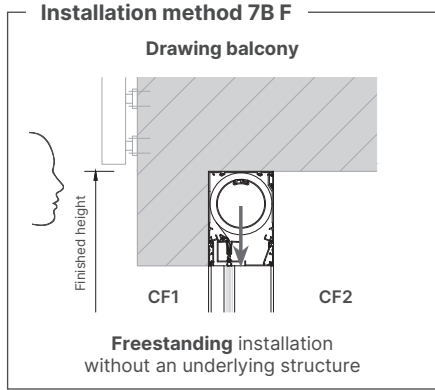
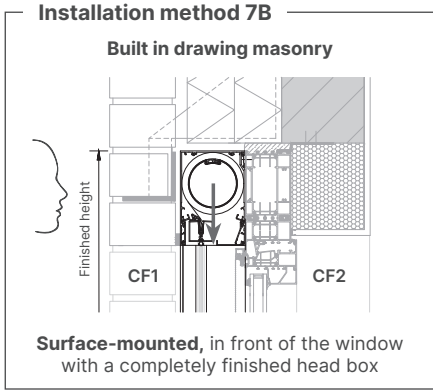
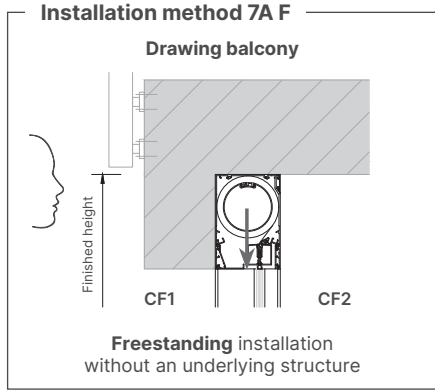
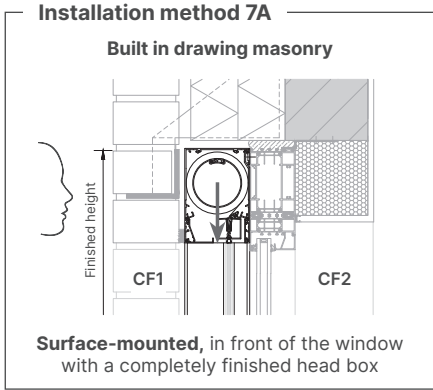
Zipshade Minimal **IM 7B C.F** consists of:

- Head box M including the high-quality fabric, fabric tube, and motor.
- Per start screen, one side guiding channel M.W or M.W+ and one freestanding coupling side guiding channel C.F.
- Per intermediate screen, one freestanding coupling side guiding channel C.F.
- Per stop screen, one side guiding channel M.W or M.W+.
- A separately supplied or assembled weighted bottom bar of your choice that guarantees the fabric is guided smoothly.
- A supplied hook profile or base box M.W+ of your choice that makes installation much easier.

Check that the package contains all of the parts.

## 2 • Installation methods

Different installation methods are possible:



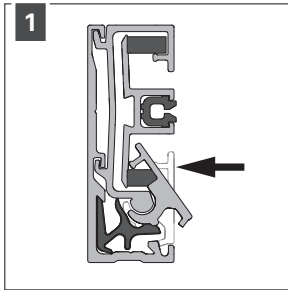
### 3 • Assembling IM 7A (F) and IM 7B (F)

Assembly using installation method IM 7A, IM 7B, IM 7A F and IM 7B F for the Medium and Large head box. For assembly of the Medium head box IM 7B C.F with freestanding coupling side guiding channel, see 4. **Assembling IM 7B with C.F.**

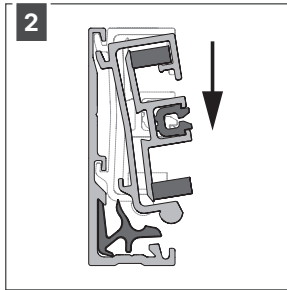
#### 3.1 • Preparatory steps

##### 3.1.1 • Opening the side guiding channels

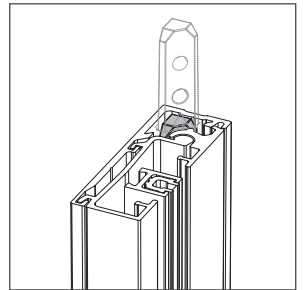
###### • Side guiding channel XS



Click open the closing profile of the side guiding channel.

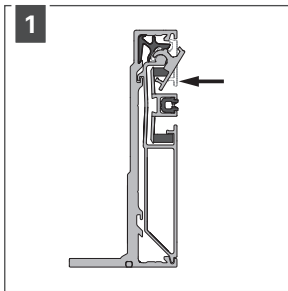


Now slide open the intermediate profile of the side guiding channel from the fixed profile. The dismantling of the side guiding channel is now complete.

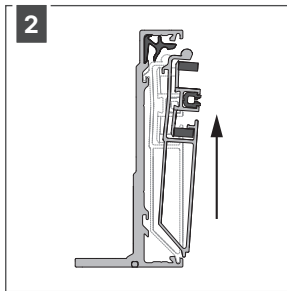


The side guiding channel contains a preassembled mounting pin. This may remain retracted until the head box is placed on the side guiding channel.

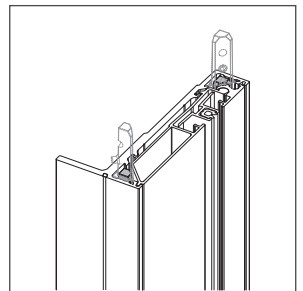
###### • Deep side guiding channels M/M.WF(+)/M.WS(+)/L/L.WF/L.WS



Click open the closing profile of the side guiding channel.

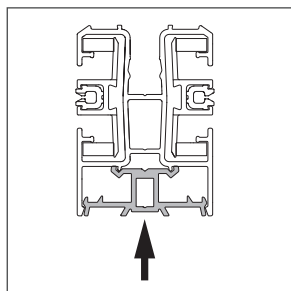


Now slide open the intermediate profile of the side guiding channel from the fixed profile. The dismantling of the side guiding channel is now complete.

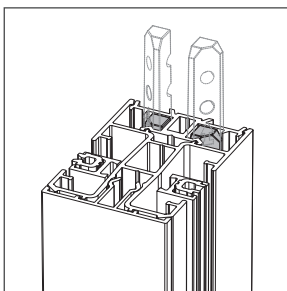


The side guiding channel contains preassembled mounting pins. These may remain retracted until the head box is placed on the side guiding channel.

• Coupling side guiding channel C.40

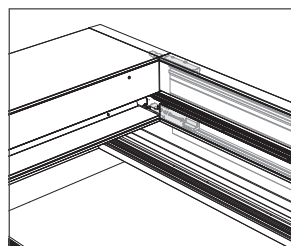
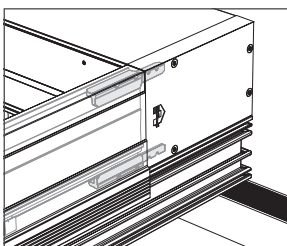
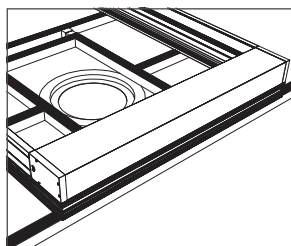


Click the intermediate profile out of the fixed profile of the coupling side guiding channel.



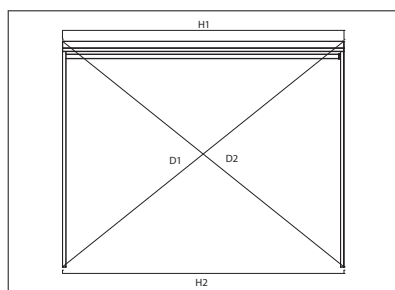
The coupling side guiding channel contains preassembled mounting pins. These may remain retracted until the head box is placed on the side guiding channel.

3.1.2 • Checking the alignment of the screen in case of mounting on the window frame



Determine the correct position of the side guiding channel on the window frame in advance, based on correct alignment with the head box. To do this, place the side guiding channels on the window frame together with the head box.

If the head box is correctly aligned with regard to the side guiding channels and the mounting pins, this is the correct position for attaching the side guiding channels to the window frame or the construction. If there is no room to rest the head box on the frame, the use of a step clamp is recommended.



In this step, always check the alignment of the system.

The diagonals (D1 and D2) and the parallels (H1 and H2) should be identical to the extent possible, in order to ensure the proper unrolling of the screen.

$D1 = D2$  and  $H1 = H2$

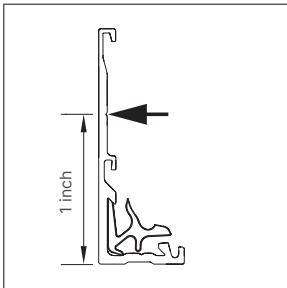
### 3.2 • Installation of the side guiding channels

#### ! NOTE

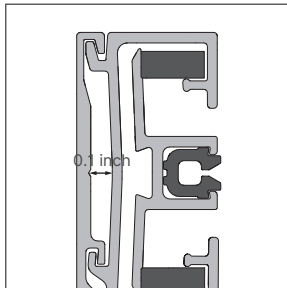
It is important to install the fixed profile with great care so as to enable the further installation and smooth operation of the Zipshade Minimal.

#### • Side guiding channel XS

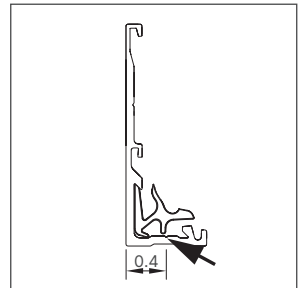
The fixed profile of the side guiding channel can be attached to the structure either laterally or via the rear wall. Please maintain a maximum distance of 18 inches between two attachment points.



There is a 1 inch mark to facilitate lateral mounting.



The head height of the screws should not exceed 0.1 inch; otherwise, the side guiding channel will not snap into place easily.

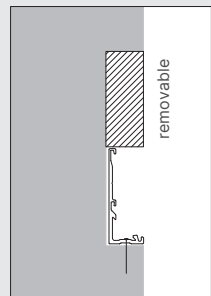
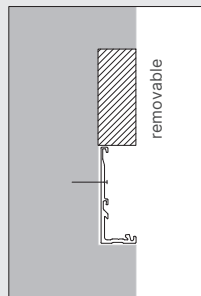


There is a 0.4 inches mark to facilitate mounting towards the rear wall.

#### ! NOTE

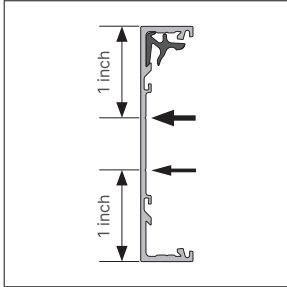
When choosing the narrow side guiding channel XS, you must put something under the head box (that can be removed later) so that you can disassemble the fabric tube from underneath.

Allow for a minimum width of the depth of the head box minus the depth of the narrow side guiding channel and a minimum height of 27 inches.

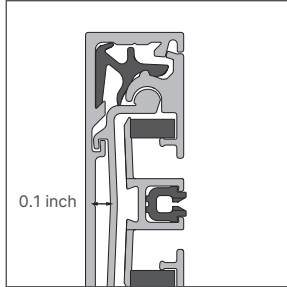


- Deep side guiding channels M/L for lateral mounting to the construction

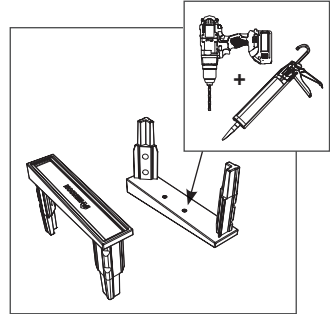
The fixed profile of the deep side guiding channels M can be attached to the structure laterally. Please maintain a maximum distance of 18 inches between two attachment points.



You can see two markings at 1 inch where you can easily fasten it. If possible, fasten onto the window side where the clips are located.



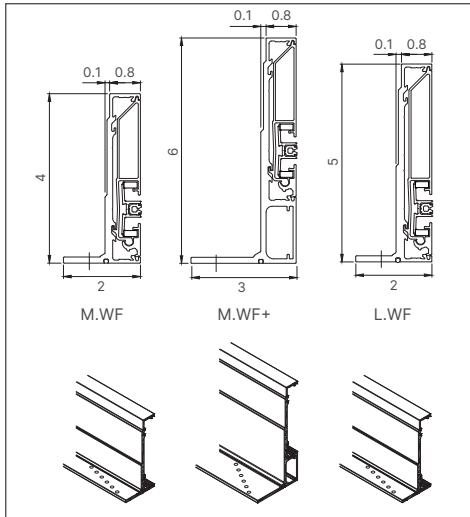
The head height of the screws should not exceed 0.1 inch; otherwise, the side guiding channel will not snap into place easily.



These deep side guiding channels are fitted with an aluminium endplate at 0° or 5°. The base plates at 5° are equipped with a cavity at the bottom; this can be injected with silicone for an extra watertightness towards the cavity. Drill points are provided for this purpose through which the silicone can be injected after drilling.

- Deep side guiding channels M.WF(+)/L.WF for frontal fixing on the window frame

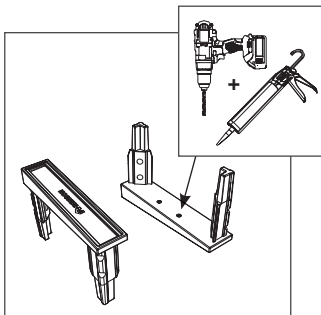
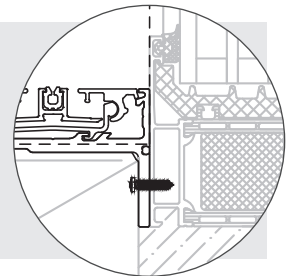
This side guiding channel is attached frontally to the window frame. In order to speed up the installation this type of side guiding channel is pre-drilled,  $\varnothing 0.2$  inches. Please maintain a maximum distance of 18 inches between two attachment points.



You can fasten along the entire width of the flange through the foreseen holes. This flange can, but does not have to, be aligned with the window frame. Correct alignment with the frame, using the mounting pins, determines the correct positioning of the guide and consequently the screw position.

**! NOTE**

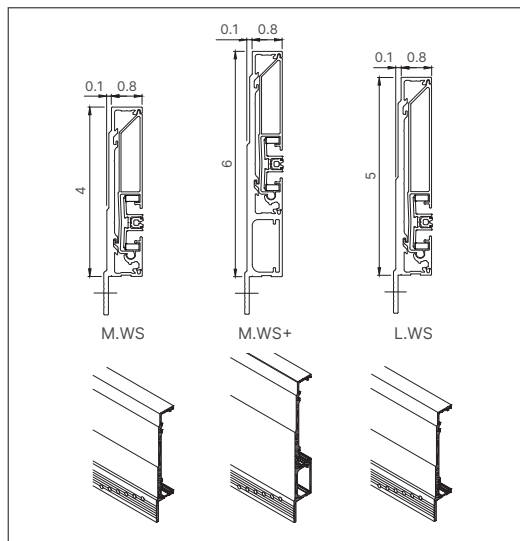
Deep side guiding channels M.WF(+)/L.WF are screwed to the window frame frontally. These must be screwed at a different distance depending on the type of window system to prevent screwing into the glass or a raised aluminium side. So, always check the underlying window frame before fastening.



These deep side guiding channels are fitted with an aluminium endplate at  $0^\circ$  or  $5^\circ$ . The base plates at  $5^\circ$  are equipped with a cavity at the bottom; this can be injected with silicone for an extra watertightness towards the cavity. Drill points are provided for this purpose through which the silicone can be injected after drilling.

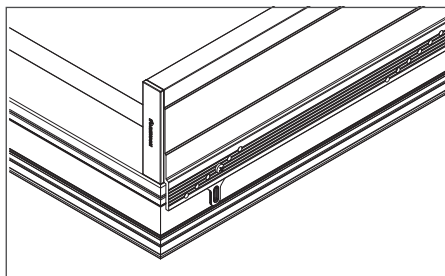
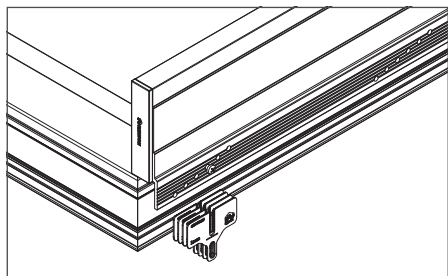
- Deep side guiding channels M.WS(+)/L.WS for sideways fixation on the window frame

This side guiding channel is attached sideways to the window frame. In order to speed up the installation this type of side guiding channel is pre-drilled,  $\varnothing 0.2$  inches. Please maintain a maximum distance of 18 inches between two attachment points.



You can fasten along the entire width of the flange through the foreseen holes. Possible dimensional tolerances of the screen in relation to the window can be taken into account with the aid of the supplied Renson spacers.

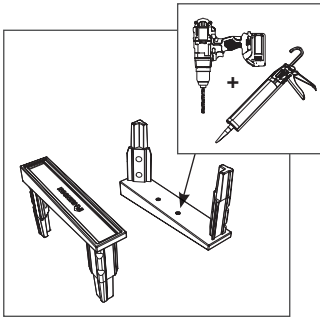
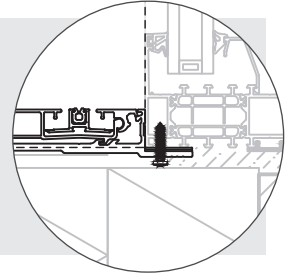
After correct alignment with the head box, fasten the side guiding channel at the top and bottom with one screw to the window frame, but do not fix it to the end. Possible tolerances on the width of the window frame and the screen can be taken into account with the supplied Renson spacers. Depending on the tolerance more or less pieces have to be used.



Slide the spacers over the screw, between the window frame and the side guiding channel. Do this for both screws. Check the squareness and alignment of the screen in relation to the window frame. If the number of spacers is sufficient, fit the remaining screws, using the same amount. Then tighten the upper and lower screws as well.

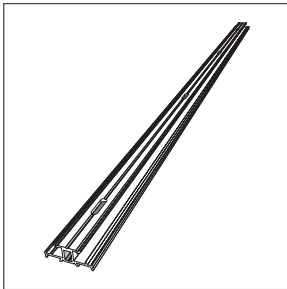
**! NOTE**

Deep side guiding channels M.WS(+)/L.WS are screwed to the side of the window frame. These must be screwed at a different distance depending on the type of window system to prevent screwing into the glass or a raised aluminium side. So, always check the underlying window frame before fastening.



These deep side guiding channels are fitted with an aluminium endplate at 0° or 5°. The base plates at 5° are equipped with a cavity at the bottom; this can be injected with silicone for an extra watertightness towards the cavity. Drill points are provided for this purpose through which the silicone can be injected after drilling.

- **Coupling side guiding channel C.40**



This coupling side guiding channel has pre-drilled slots (0.2 inches x 1 inch) at every 10 inches. Please maintain a maximum distance of 20 inches between two attachment points.

Please note that this profile is aligned with the underside of the boxes. There is an opening of 0.2 inches on the bottom of this profile, which also contains the base plate located on the intermediate profile.

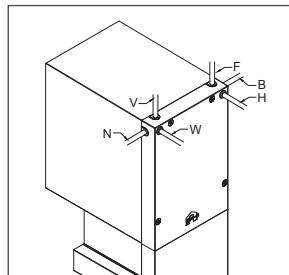
**💡 TIP**

Check the correct placement of the side guiding channels: spirit level, mutual distance and squaredness, see 7. Final check, page 40.

### 3.3 • Installation of the head box

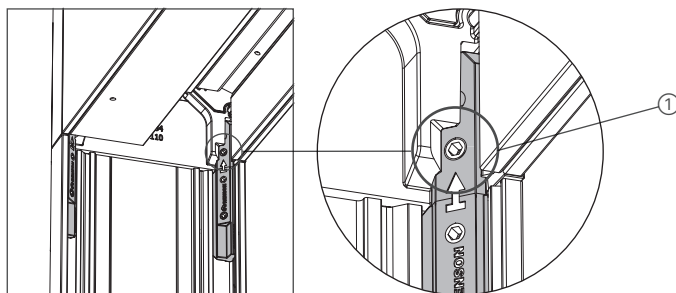
#### 3.3.1 • Cable duct

You have chosen for one of the cable ducts, when ordering  
The cable is flexible and can easily be laid in a loop.



#### 3.3.2 • Securing the head box or base box M.W+ on the side guiding channels

- Head box

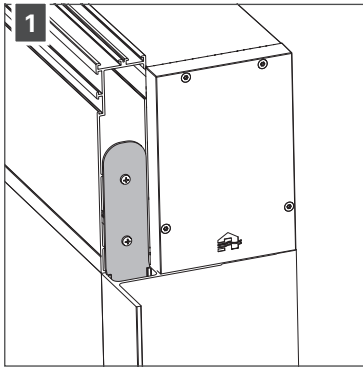


Align the head box correctly with the side guiding channels using the adjustable mounting pins. These are already pre-mounted in the side guiding channel. Unscrew the mounting pin with an Allen key 2.5, and slide the mounting pin into the head box until the arrow on the pin is fully concealed. Now retighten it and additionally tighten the adjusting screw ① inside the head box on the fabric side (the use of an Allen key with a ball head of 2.5 is recommended for this). The head box is now secured to the side guiding channel.

In the case of an XS side guiding channel, only 1 mounting pin is provided for each side guiding channel. With a Large head box in combination with the XS side guiding channel, it is mandatory to additionally secure the head box at the sides, regardless of the system width. This can be done via the drilling lines provided in the head box profile.

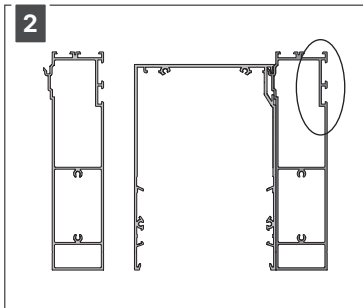
Make sure that the head box is supported at all times, until it is completely secured to the side guiding channels using the adjustable mounting pins.

- Base box M.W+ (Medium head box)



A bracket is provided to ensure that the base box M.W+ and the fixed profile of the side guiding channel M.WF+/M.WS+ are perfectly aligned and fixated with each other.

When delivered, this bracket is mounted upside down on the base box M.W+. First, dismount it, turn it around 180° and then fasten it as indicated in the drawing on the left. The base box M.W+ is now fixated at the sides.



You can then hook the head box onto the provided hook. Take into account an additional 0.5 inches in height for the base box profile in relation to the head box. To counteract the deflection of the base box profile M.W+ in the center, it must be additionally secured in the center for screens larger than 142 inches. This can either be done to the window frame via the fixation bracket (see section 3.3.3) or directly to the structure.

Make sure that the head box is supported at all times, until it is completely secured to the side guiding channels using the adjustable mounting pins.

### 3.3.3 • Securing the head box to prevent sacking of the head box profile in the middle

In order to guarantee a high-quality fabric tension, it is necessary to secure the head box to prevent the deflection in the middle.

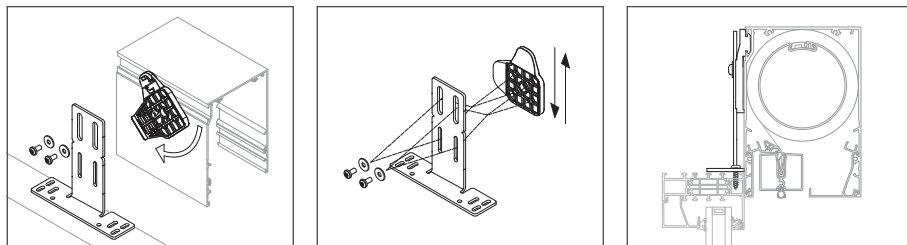
This is necessary under the following conditions:

- **Medium** (incl. basic enclosure M.W+) and **Large** head box: must be additionally secured, aside from the fixation to the side guiding channels, from a width > 142 inches.

You can do so in 3 ways.

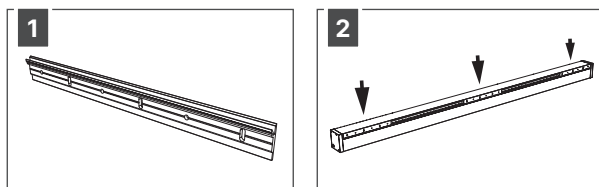
- **By using the Renson fixation bracket**

One bracket is sufficient **to counteract possible sacking of the head box profile in the middle**. Attach the bracket according to the instructions on the packaging.



Place and attach the couple piece in the groove on the the head box or base box M.W+ of the Zipshade® Minimal. Attach the bracket to the coupling piece with the delivered bolts. Fixate the bracket to the window. The position of the head box in relation to the window can be adjusted at will by loosening the bolts and repositioning the head box.

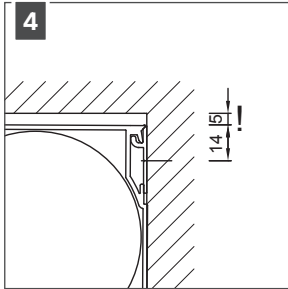
- **By using the hook profile**



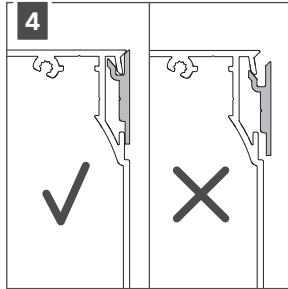
The hook profile has a length of 12 inches and can be attached to the underlying structure.

If you take this option, 3 hook profiles will be supplied as standard.

- 1 to counteract the deflection of the box profile in the middle.
- 2 for positioning on the sides of the box.



Position the hook profile so that there is sufficient space to hook on the head box. Take into account that you will need an additional 0.2 inches of height to easily hook the head box on.



Ensure that when hooking on the head box, it is properly hooked into the hook profile.

Make sure that the head box is always supported until the head box is finally secured to the side guiding channels using the adjustable mounting pins.

- By securing the head box profile directly to the underlying construction

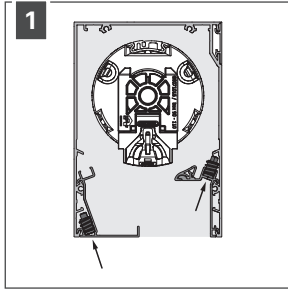
To do this, the fabric set must first be disassembled.

The fabric set can be disassembled directly for:

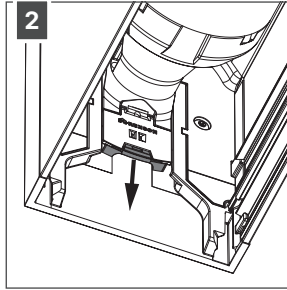
- Medium head box with height < 79 inches
- Large head box with width < 142 inches
- Large head box with width > 142 inches and height < 79 inches

The fabric set cannot be disassembled directly for screens that fall outside the aforementioned preconditions. In this case, you must first roll off some of the fabric set. To this end, connect the screen to the power network. Roll out the screen until it is within the aforementioned preconditions.

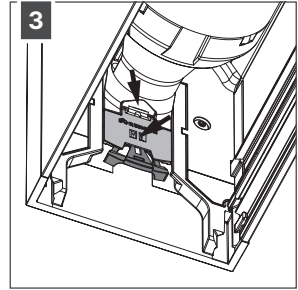
Then:



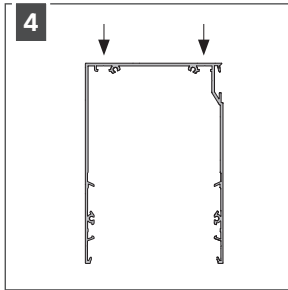
1  
Unscrew the removable profiles with 2.5 hex key.



2  
To remove the fabric set, you pull the Click&Safe pin (the blue plastic part).

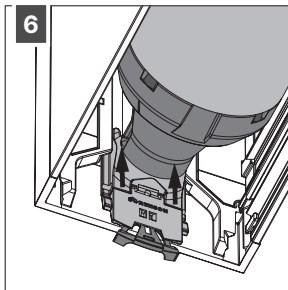


3  
You then press the spring on the slide and remove the fabric set without screws.

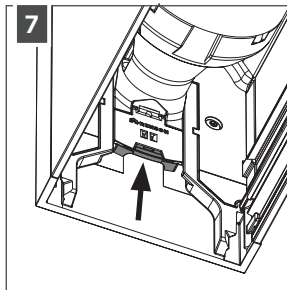


4  
You can now secure the head box. Make sure you use the provided drilling lines so that the fabric never touches the screw head. Fasten it close to the endcap as well as in the middle of the head box profile.

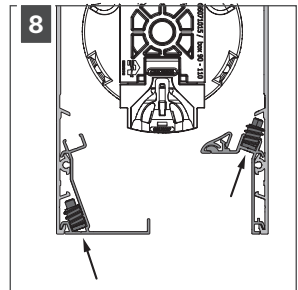
5 The head box is secured.



6  
Pull the Click&Safe plastic (the blue plastic part) backwards to slide the fabric set into the head box.



7  
Once you hear the click, you can slide the Click&Safe pin (the blue plastic part) under the spring. Check that the motor works before proceeding.



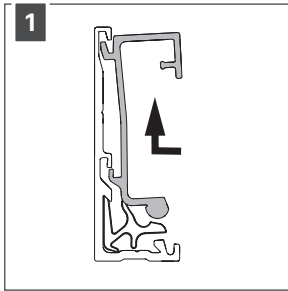
8  
Click the removable profiles of the head box back in place and secure with a 2.5 hex key.

### 3.4 • Snap-fitting the side guiding channels in place

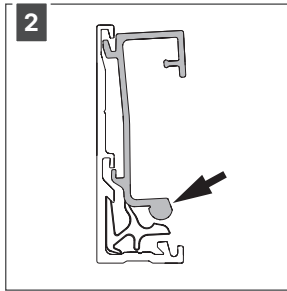
#### ! ATTENTION

When snap-fitting the side guiding channels, take care not to damage the screen zip.

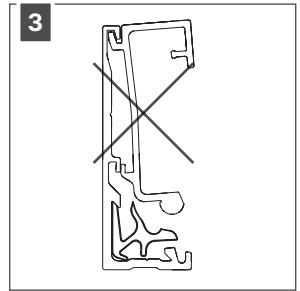
#### • Side guiding channel XS



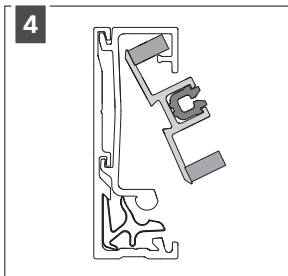
Slide the intermediate profile of the side guiding channel into the fixed profile as shown in the drawing.



Then snap the intermediate profile into place by pushing at the position where the clips are visible.

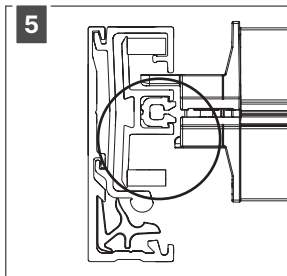


Check to ensure that the intermediate profile has correctly snap-fitted into place.

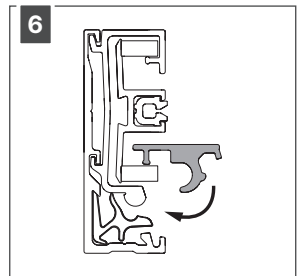


Turn the aluminium zip profile into the intermediate profile and ensure that the cellular rubber is correctly positioned.

At the same time, put the zip into the PVC-side channel profile.

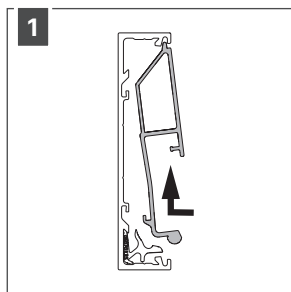


In case of a pre-assembled bottom bar, ensure the correct positioning of the bottom bar finger in relation to the aluminium zip profile. To work easily, you slide open the finger on the front side of the bottom bar.

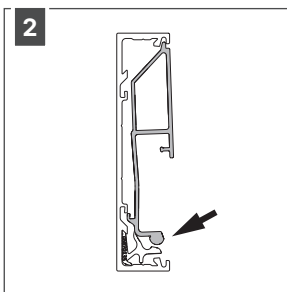


Position the closing profile perpendicularly (90°) into the side guiding channel and close it by pressing down at the height of the blue or black clips. This 90° angle ensures that the mouse stays in place in a straight line.

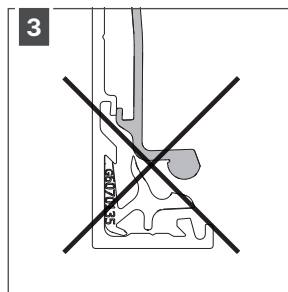
- Deep side guiding channels M/M.WF(+)/M.WS(+)/L/L.WF/L.WS



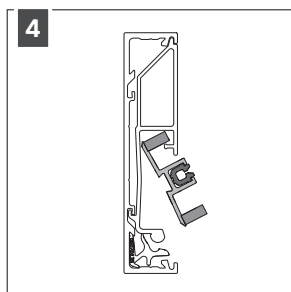
Slide the intermediate profile of the side guiding channel as shown on the drawing in the fixed profile.



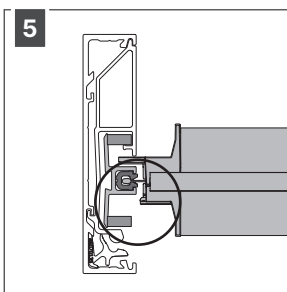
Then snap the intermediate profile into place by pushing at the position where the clips are visible.



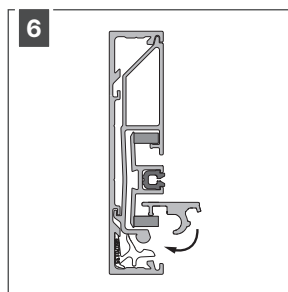
Check to ensure that the intermediate profile has correctly snap-fitted into place.



Turn the aluminium zip profile into the intermediate profile and ensure that the cellular rubber is correctly positioned. At the same time, put the zip into the PVC-side channel profile.

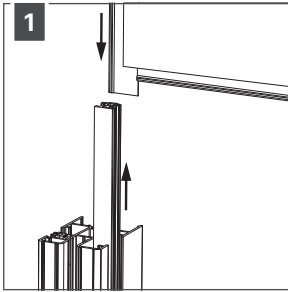


Case of a pre-assembled bottom bar, ensure the correct positioning of the bottom bar finger in relation to the aluminium zip profile. To work easily, you slide open the finger on the front side of the bottom bar.

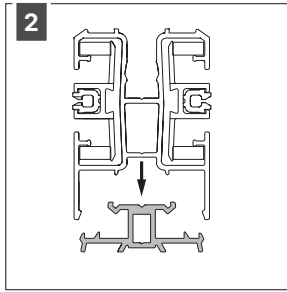


Position the closing profile perpendicularly (90°) into the side guiding channel and close it by pressing down at the height of the blue or black clips. This 90° angle ensures that the mousse stays in place in a straight line.

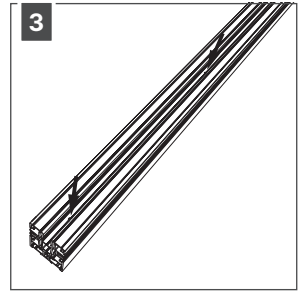
- Coupling side guiding channel C.40



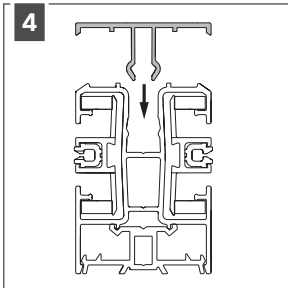
Slide both screen parts into the aluminium zip channel. It is easier to slide the zip out of the intermediate profile.



Securely snap the coupling side guiding channel on the fixed profile.



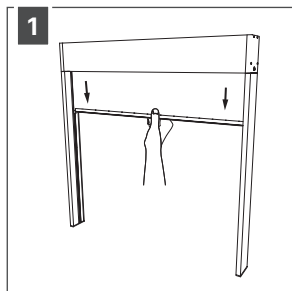
Then attach both profiles to each other. Screw holes are provided every 10 inches, be sure to fasten it every 20 inches. A sachet containing screws has been provided for each coupling side guiding channel.



Now click the removable profile onto the intermediate profile of the coupling side guiding channel.

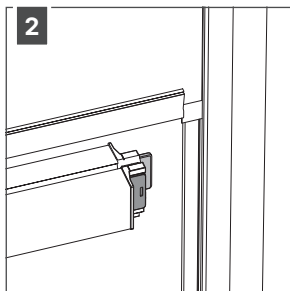
### 3.5 • Fastening the bottom bar

If the bottom bar was supplied separately, it must be mounted on the fabric.

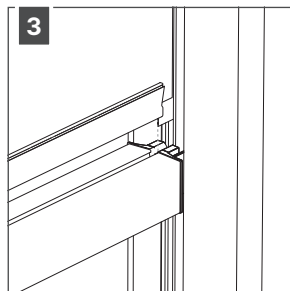


Connect the motor.  
Lower the screen to an easy working height.

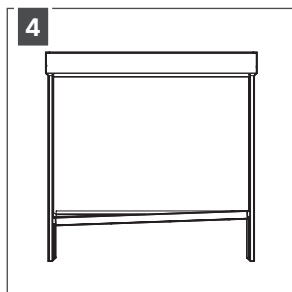
**Note!** Guide the screen as it will not lower automatically since the bottom bar is absent.



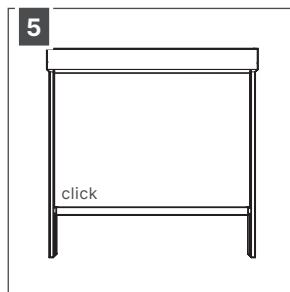
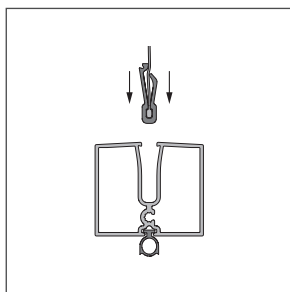
Hold the bottom bar correctly. The fixed bottom bar finger is located on the window side. So, the movable bottom bar finger remains fully accessible.



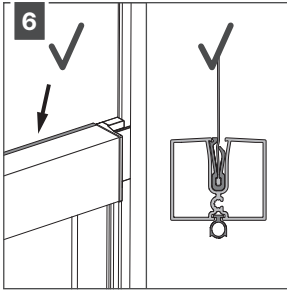
To click the bottom bar onto the fabric, it is best to start on one side (left or right). When starting, make sure the clip profile starts against the plastic end cap and the zipper end slides flat between the plastic endcap. The bottom bar will be screwed to it.



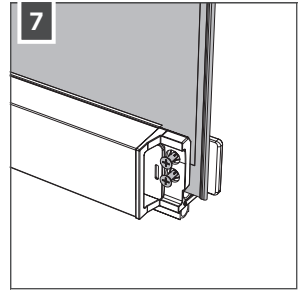
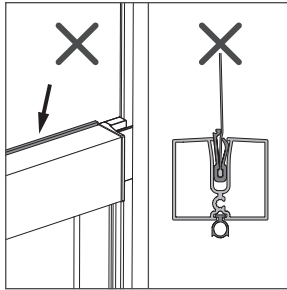
Push the clip profile into the bottom bar. Press on the clip profile both behind and in front of the fabric.



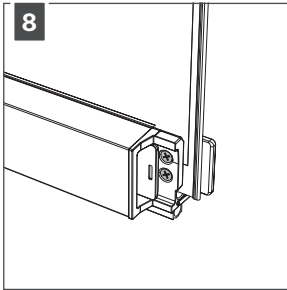
Now slide it up from one side to the other.



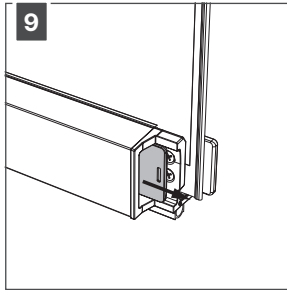
Make sure that the clips are correctly positioned in the bottom bar.



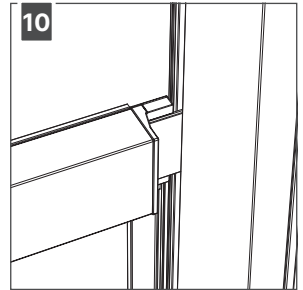
Position the fabric correctly in the bottom bar plug. Make sure the fabric is completely flat between the bottom bar plugs.



Screw the bottom bar plug to the fabric.



By pressing the lower bar plug finger, it will position itself in front of the screws.



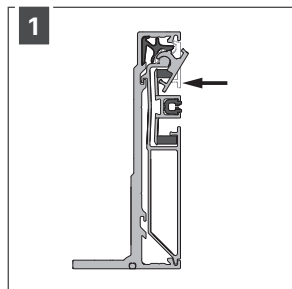
Now, these are no longer visible, which ensures the bottom bar will always be correctly positioned in the side guiding channel.

## 4 • Assembling IM 7B with C.F

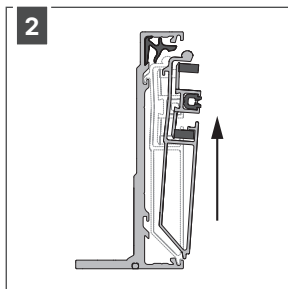
### 4.1 • Preparatory steps

#### 4.1.1 • Opening the side guiding channels

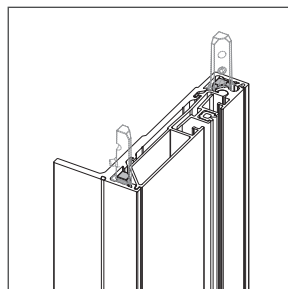
- Side guiding channel M.WF / M.WS or M.WF+ / M.WS+



Click open the closing profile of the side guiding channel.



Now slide open the intermediate profile of the side guiding channel from the fixed profile. The dismantling of the side guiding channel is now complete.

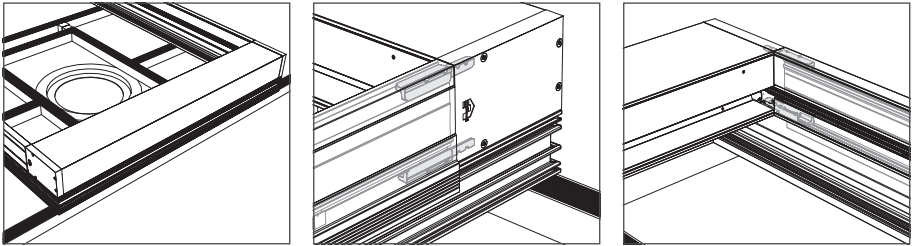


The side guiding channel contains preassembled mounting pins. These may remain retracted until the head box is placed on the side guiding channel.

- Freestanding coupling side guiding channel C.F

You do not need to disassemble this.

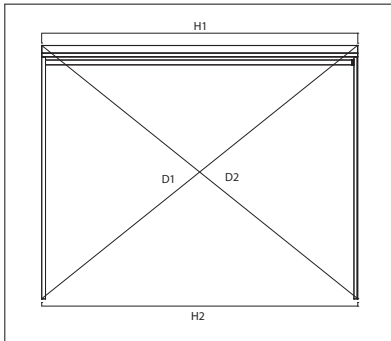
#### 4.1.2 • Checking the alignment of the screen in case of mounting on the window frame



Determine the correct position of the side guiding channel on the window frame in advance, based on correct alignment with the head box. To do this, place the side guiding channels on the window frame together with the head box.

If the head box is correctly aligned with regard to the side guiding channels and the mounting pins, this is the correct position for attaching the side guiding channels to the window frame or the construction.

If there is no room to rest the head box on the frame, the use of a step clamp is recommended.



In this step, always check the alignment of the system.

The diagonals (D1 and D2) and the parallels (H1 and H2) should be identical to the extent possible, in order to ensure the proper unrolling of the screen.

$$D1 = D2 \text{ and } H1 = H2$$

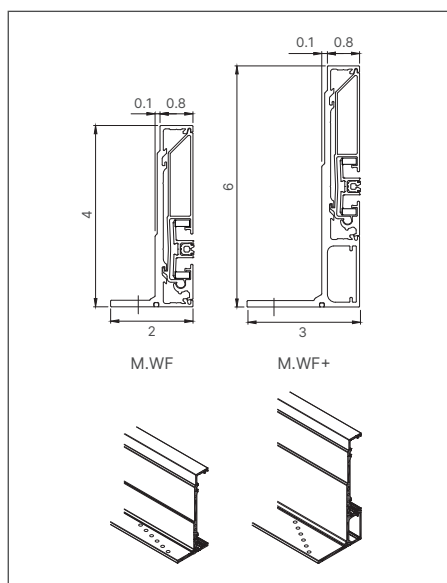
## 4.2 • Installation of the side guiding channels

**! NOTE**

It is important to install the fixed profile with great care so as to enable the further installation and smooth operation of the Zipshade Minimal.

- **Deep side guiding channels M.WF or M.WF+ for frontal fixing on the window frame**

This side guiding channel is attached frontally to the window frame. In order to speed up the installation this type of guide is pre-drilled,  $\varnothing$  0.2 inches. Please maintain a maximum distance of 18 inches between two attachment points.



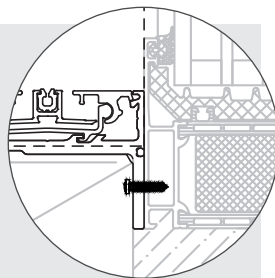
You can fasten along the entire width of the flange through the foreseen holes. This flange can, but does not have to, be aligned with the window frame. Correct alignment with the frame, using the mounting pins, determines the correct positioning of the guide and consequently the screw position.

**! ATTENTION**

Deep side guiding channels M.WF/M.WF+ are screwed to the window frame frontally.

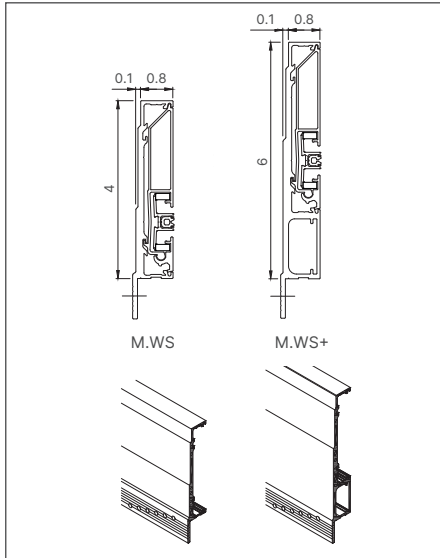
These must be screwed at a different distance depending on the type of window system to prevent screwing into the glass or a raised aluminium side.

So, always check the underlying window frame before fastening.



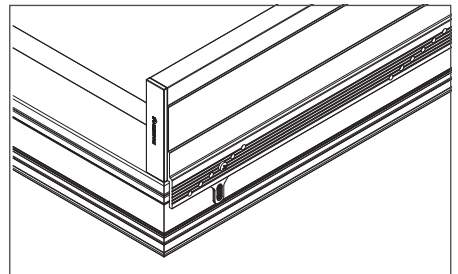
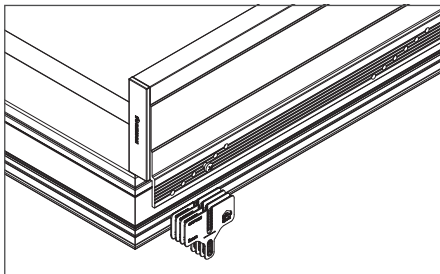
- Deep side guiding channels M.WS/M.WS+ for sideways fixation on the window frame

This side guiding channel is attached sideways to the window frame. In order to speed up the installation this type of guide is pre-drilled,  $\varnothing$  0.2 inches. Please maintain a maximum distance of 18 inches between two attachment points.



You can fasten along the entire width of the flange through the foreseen holes. Possible dimensional tolerances of the screen in relation to the window can be taken into account with the aid of the supplied Renson spacers.

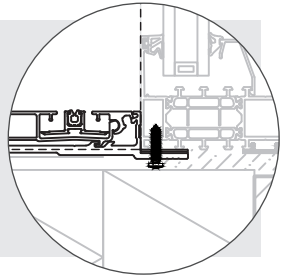
After correct alignment with the head box, fasten the side guiding channel at the top and bottom with one screw to the window frame, but do not fix it to the end. Possible tolerances on the width of the window frame and the screen can be filled up with the supplied Renson spacers. Depending on the tolerance more or less pieces have to be used.



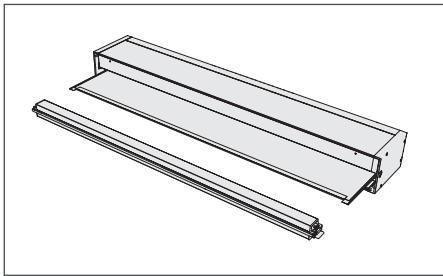
Slide the spacers over the screw, between the window frame and the side guiding channel. Do this for both screws. Check the squareness and alignment of the screen in relation to the window frame. If the number of spacers is sufficient, fit the remaining screws, using the same amount. Then tighten the upper and lower screws as well.

**! ATTENTION**

Deep side guiding channels M.WS/M.WS+ are screwed to the side of the window frame. These must be screwed at a different distance depending on the type of window system to prevent screwing into the glass or a raised aluminium side. So, always check the underlying window frame before fastening.



### 4.3 • Installation of the head box

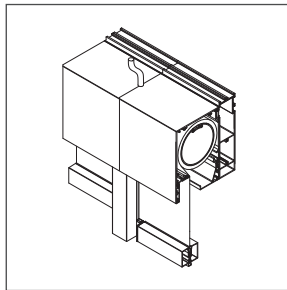
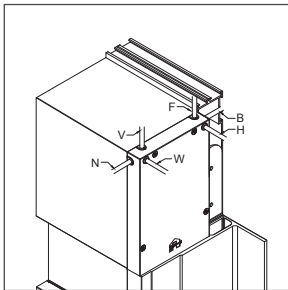


The head box is fully pre-assembled so that it can be assembled in one piece. The bottom bar is supplied separately and will be clicked onto the fabric at a later stage.

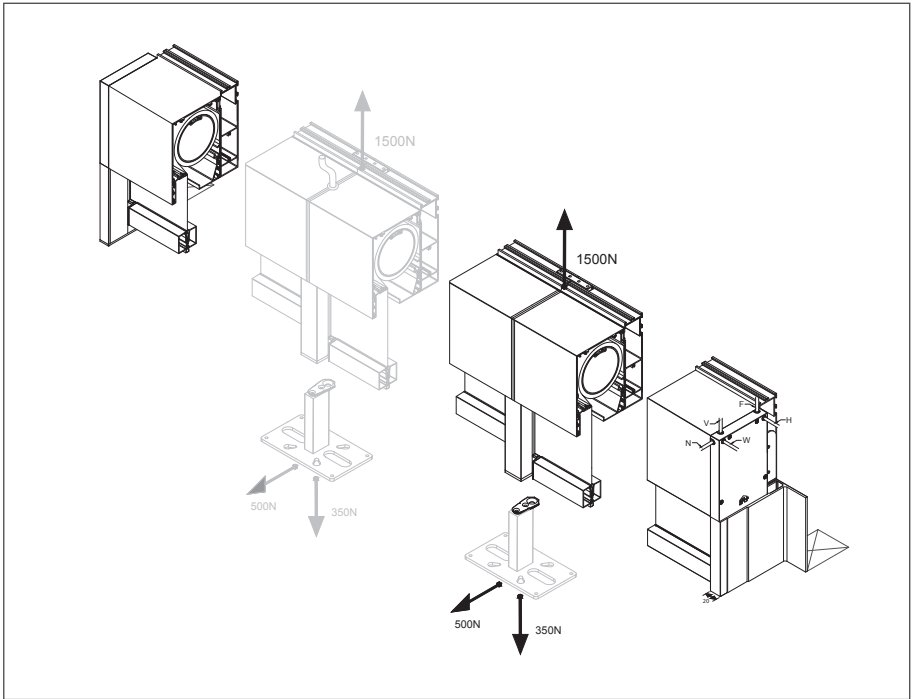
#### 4.3.1 • Cable duct

You have chosen for one of the cable ducts, when ordering. The cable is flexible and can easily be laid in a loop.

In the case of an intermediate screen, the cable duct is at the top of the head box.



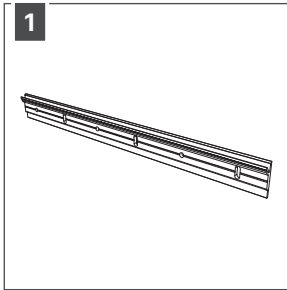
### 4.3.2 • Securing the head box



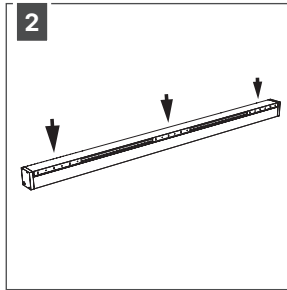
The head box must be secured to the underlying construction or the window frame. The head boxes must be secured in such a way that they remain hanging independently. Maximum total force to be borne is 1500 N.

You can do so in 3 ways.

• By using the hook profile

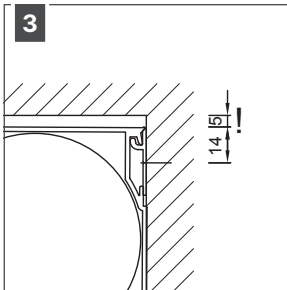


The hook profile has a length of 12 inches and can be attached to the underlying structure.

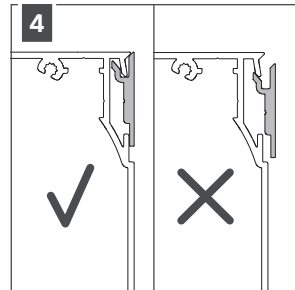


If you take this option, 3 hook profiles will be supplied as standard.

- 1 to counteract the deflection of the box profile in the middle.
- 2 for positioning on the sides of the box.



Position the hook profile so that there is sufficient space to hook on the head box. Take into account that you will need an additional 0.2 inches of height to easily hook it on.



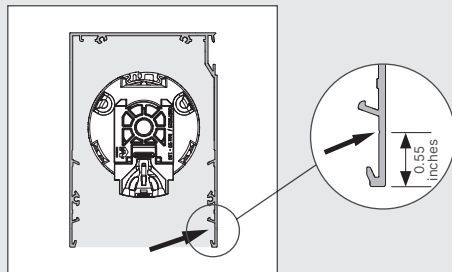
When hanging the head box, make sure it hooks correctly into the hook profile.

**! ATTENTION**

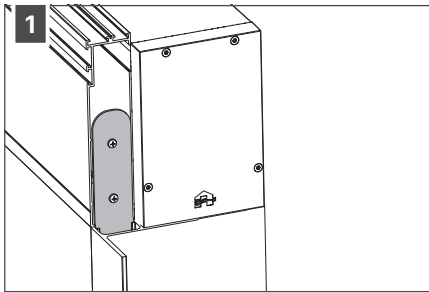
In addition to hooking the head box onto the hook profile, the head box must also be fastened at 3 additional points.

This ensures that the forces caused by the side guiding channel are properly absorbed.

You can secure it on the indicated drilling line. See the drawing.

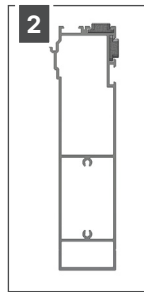


- By using the base box M.W+

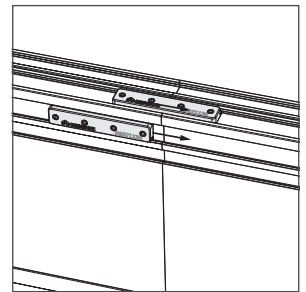


A bracket is provided to ensure that the base box M.W+ and the fixed profile of the side guiding channel M.WF+/M.WS+ are perfectly aligned with each other.

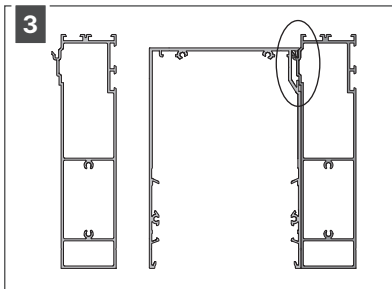
When delivered, this bracket is mounted upside down on the base box M.W+. First, dismount it, turn it around 180° and then fasten it as indicated in the drawing on the left.



To ensure that the base box M.W+ profiles are perfectly aligned with each other, a base box aligner block is inserted at the start and intermediate profiles.



These base box aligners ensure a correct alignment of the base box M.W+ profiles via the horizontal (along the top) or vertical slots (along the back) and are held in position by means of adjusting screws.



You can then hook the head box onto the provided hook.

Take into account an additional 0.4 inches in height for the base box profile in relation to the box.

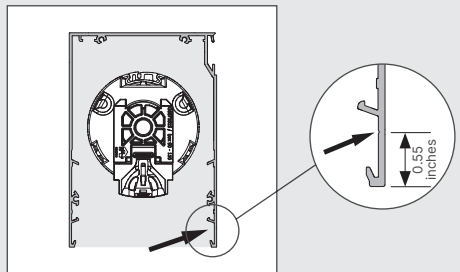
Make sure that the head box is always supported until the head box is finally secured to the side guiding channels using the adjustable mounting pins and the head box is fastened on the three additional points as described below.

### ! ATTENTION

In addition to hooking the head box onto the base box M.W+, the head box must also be fastened at 3 additional points.

This ensures that the forces caused by the side guiding channel are properly absorbed.

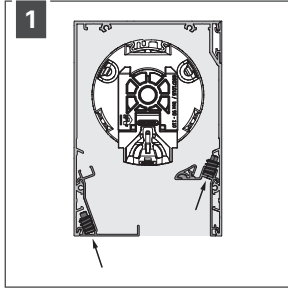
You can secure it on the indicated drilling line. See the drawing.



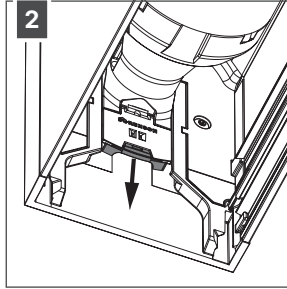
- By securing the head box profile directly to the underlying construction

The fabric set can be directly disassembled for the Medium head box with height < 79 inches. For higher systems, the fabric set cannot be removed directly. In these cases you will have to unroll the fabric set first, for this you must connect the screen to the power supply. Unroll the screen until it falls within the above mentioned conditions.

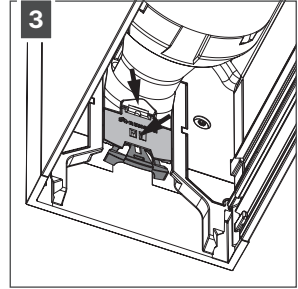
Then:



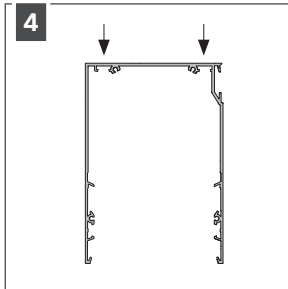
1 Unscrew the removable profiles with 2.5 hex key.



2 To remove the fabric set, you pull the Click&Safe pin (the blue plastic part).

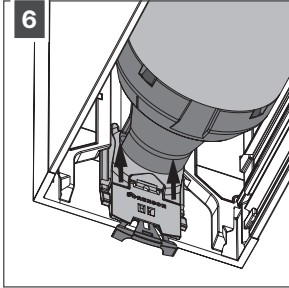


3 You then press the spring on the slide and remove the fabric set without screws.

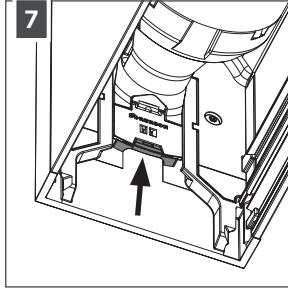


4 You can now secure the head box. Make sure you use the provided drilling lines so that the fabric never touches the screw head. Fasten it close to the endcap as well as in the middle of the box profile.

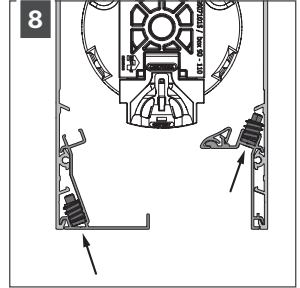
5 The head box is secured.



6 Pull the Click&Safe plastic (the blue plastic part) backwards to slide the fabric set into the head box.

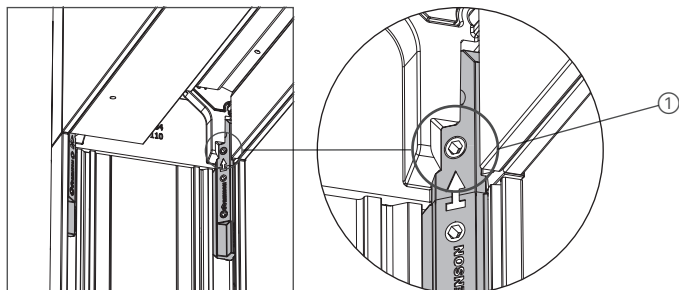


7 Once you hear the click, you can slide the Click&Safe pin (the blue plastic part) under the spring. Check that the motor works before proceeding.



8 Click the removable profiles of the head box back in place and secure with a 2.5 hex key.

#### 4.4 • Securing the head box on the side guiding channel



After securing the head box to the upper or rear structure, it must also be secured to the side guiding channels by means of adjustable mounting pins. These are already pre-mounted in the side guiding channel. Unscrew the mounting pin with an Allen key 2.5, and slide the mounting pin into the head box until the arrow on the pin is fully concealed. Now retighten it and additionally tighten the adjusting screw ① inside the head box on the fabric side (the use of an Allen key with a ball head of 2.5 is recommended for this). The head box is now secured to the side guiding channel.

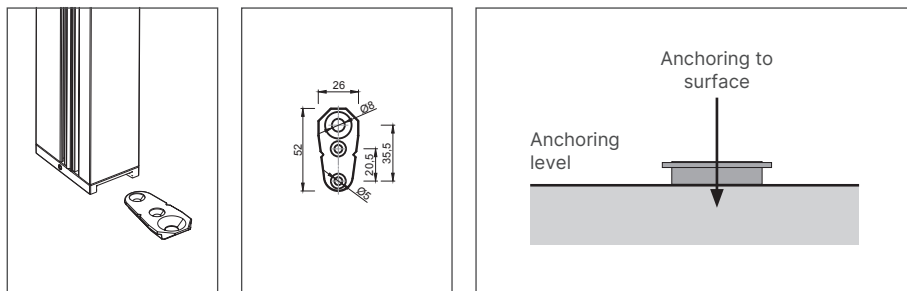
#### 4.5 • Assembling the freestanding coupling side guiding channel C.F

##### 4.5.1 • Preparing the surface

The freestanding coupling side guiding channel C.F can be fastened to the bottom in two different ways.

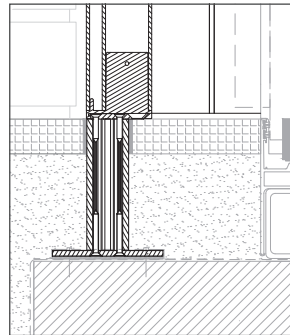
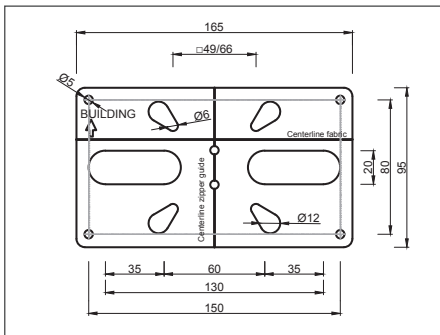
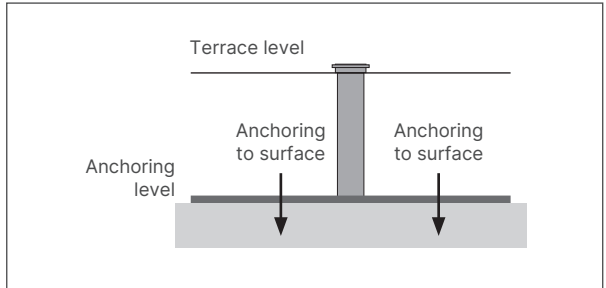
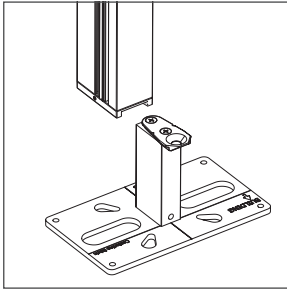
- Using a mounting plate

When the surface is sufficiently strong, the mounting plate can be fastened directly to the underlying structure. You can use the template on the last page to ensure that you correctly align and drill with respect to the window.



- Using a mounting foot

When the attachment point is lower, for example with a floating terrace, the mounting foot can be used to fasten it to the underlying structure. You can use the template on the last page to ensure that you correctly align and drill with respect to the window.



Various slots are provided at the bottom of the mounting foot for fastening to the surface.

The slots are larger than the bolt diameter so that the plate can still be moved/aligned. You fasten the plate using a nut and washer.

You will find the 1:1 scale template at the end of this installation manual.

It also indicates a marking line.

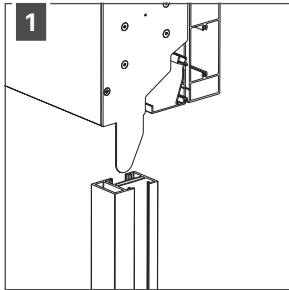
This line indicates the fabric plane, which is 5 inches from the end of the base box M.W+ or side guiding channel M.W+. In the case of a side channel M.W, this is 3 inches.

The foot is 3 inches or 5 inches high as standard.

This can be shortened when at the worksite.

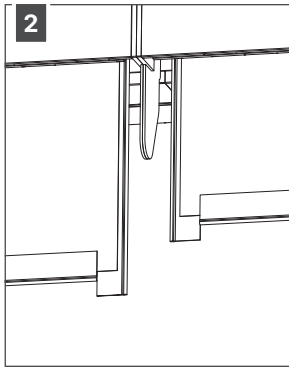
After installation, the screed or the floating terrace to be placed against this foot.

### 4.5.2 • Assembling the side guiding channels C.F

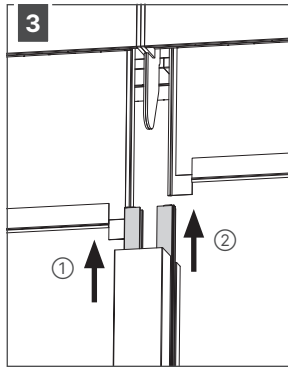


You must slide the freestanding coupling side guiding channel over the pins of the head box.

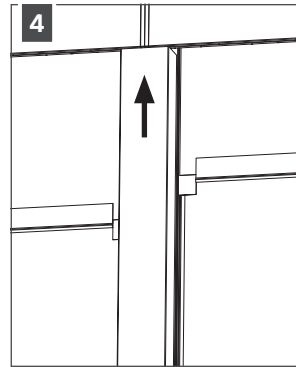
Take the following steps to do this smoothly.



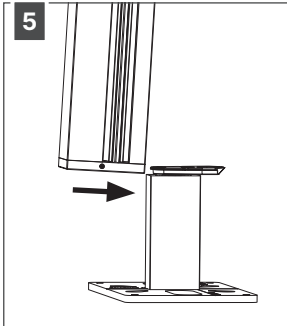
Lower both screens a little ( $\pm 4$  inches) out of the head box and make sure that one of the two hangs a little ( $\pm 2$  inches) further out of the head box.



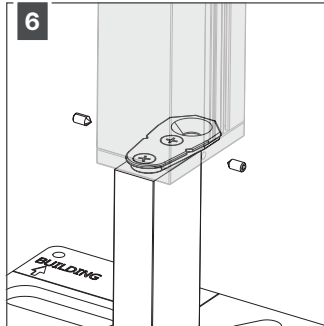
Slide the zip of the lowest screen into the aluminium zip profile of the freestanding coupling side guiding channel ①. Now do the same with the other screen ②.



Slide the freestanding coupling side guiding channel completely over the pins of the head box.



Slide the bottom of the base plate of the freestanding coupling side guiding channel over the mounting plate, either directly or indirectly onto the underlying construction or on the mounting foot.



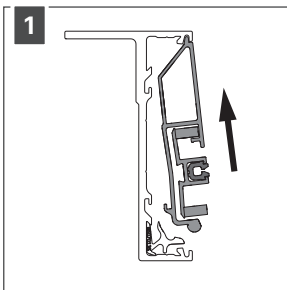
Use two screws M4×8 to fasten the side guiding channel to the mounting plate.

#### 4.6 • Snap-fitting the side guiding channels in place

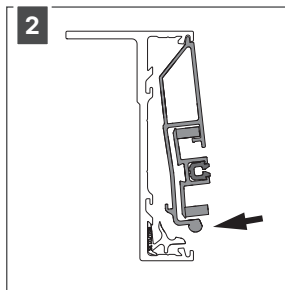
##### ! ATTENTION

When clicking side guiding channels into place, make sure you do not damage the fabric zip.

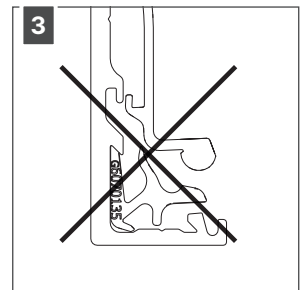
##### • Deep side guiding channel M.WF/M.WS or M.WF+/M.WS+



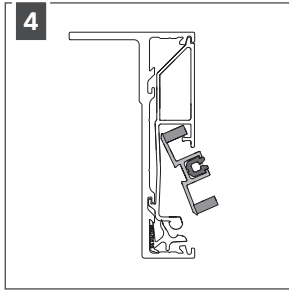
Slide the intermediate profile of the side guiding channel into the fixed profile as shown in the drawing.



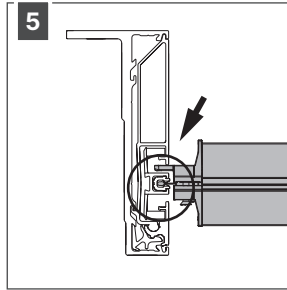
Then snap the intermediate profile into place by pushing at the position where the clips are visible.



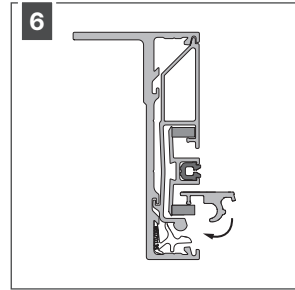
Check to ensure that the intermediate profile has correctly snap-fitted into place.



4 Turn the aluminium zip profile into the intermediate profile and ensure that the cellular rubber is correctly positioned. At the same time, put the zip into the zip profile.

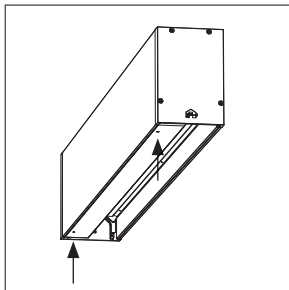


5 If the bottom bar is already pre-assembled, make sure the finger of the bottom bar is correctly positioned in relation to the aluminium zip profile.



6 Position the closing profile perpendicularly (90°) into the side guiding channel and close it by pressing down at the height of the blue or black clips. This 90° angle ensures that the mousse stays in place in a straight line.

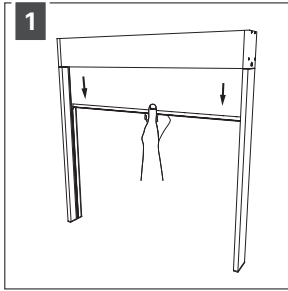
#### 4.7 • Closing the head box



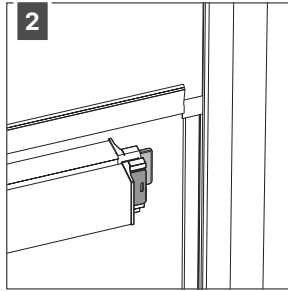
7 Click the removable profiles of the head box back in place and secure with a 2.5 hex key.

## 4.8 • Fastening the bottom bar

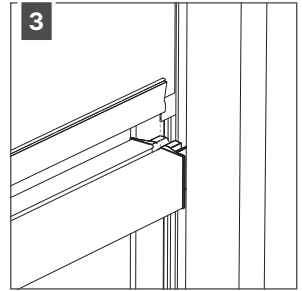
If the bottom bar was supplied separately, it must be mounted on the fabric.



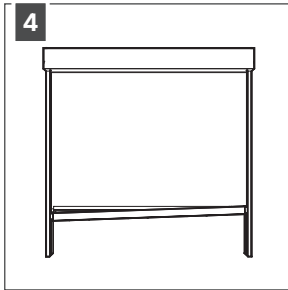
Connect the motor.  
Lower the screen to an easy working height.  
**Note!** Guide the screen as it will not lower automatically since the bottom bar is absent.



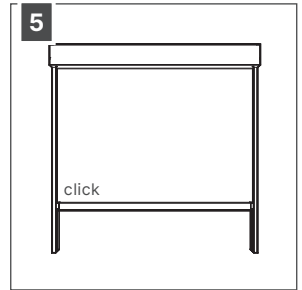
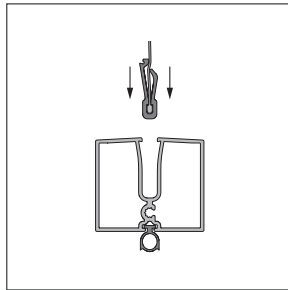
Hold the bottom bar correctly. The fixed bottom bar finger is located on the window side. So, the movable bottom bar finger remains fully accessible.



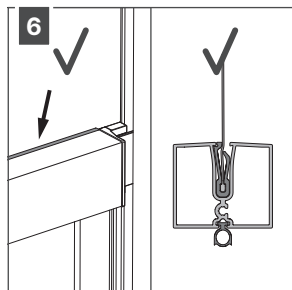
To click the bottom bar onto the fabric, it is best to start on one side (left or right). When starting, make sure the clip profile starts against the plastic end cap and the zipper end slides flat between the plastic endcap. The bottom bar will be screwed to it.



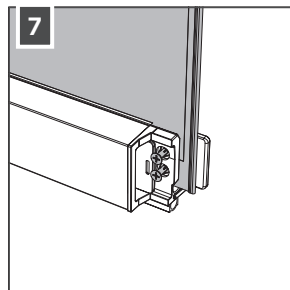
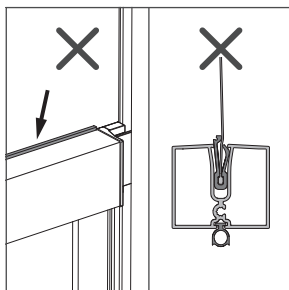
Push the clip profile into the bottom bar. Press on the clip profile both behind and in front of the fabric.



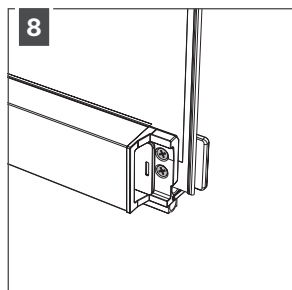
Now slide it up from one side to the other.



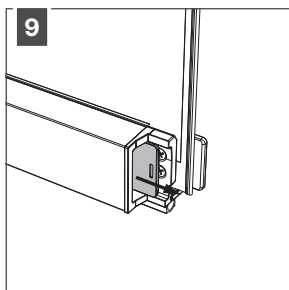
Make sure that the clips are correctly positioned in the bottom bar.



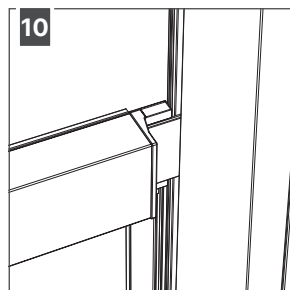
Position the fabric correctly in the bottom bar plug. Make sure the fabric is completely flat between the bottom bar plugs.



Screw the bottom bar plug to the fabric.



By pressing the lower bar plug finger, it will position itself in front of the screws.



Now, these are no longer visible thus we ensure correct positioning of the bottom bar in the side guiding channel at all times.

## 5 • Electrical operation


### 5.1 • Technical characteristics of the motors

Parameter	Value
Voltage	12 AC, 60 Hz
Current	2.1 A
Protection class	IP 44

### 5.2 • Connection of the cable to the UV-resistant sheath (RR-F/RN-F)

**Type of power cable**

**RTS 120V AC / 6 Hz**  
3 conductor cable



white = neutral  
black = hot  
green = ground

## 6 • Adjusting the endpoints of the motor

### 6.1 • Somfy RTS motor

#### ADJUST THE UPPER AND LOWER ENDPOINTS!

Upper and lower endpoints are set at the factory.

#### *Setting the upper end point:*

Upper end point is set at the factory, with the bottom bar connecting as closely as possible to the head box. Setting the upper end point for end use.

#### *Setting the lower end point:*

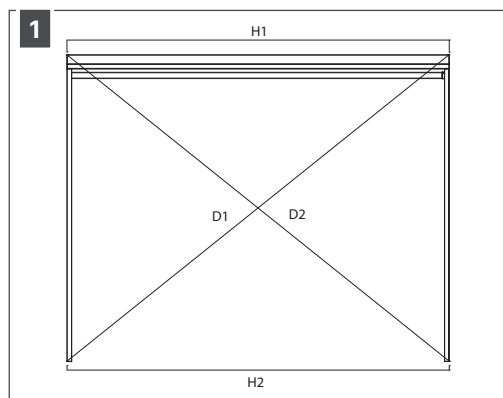
The lower end point is set to  $\pm 16$  inches from the bottom of the head box. Now set the lower end point with 0.5 inches of play (for the sealing strip) at the bottom of the screen.



#### TIP

If the electrical connection is only made after installing the sun protection, a temporary cable can be used to set the end points of the sun protection.

## 7 • Final check



Before starting the motor: check whether the set-up is square. The diagonals (D1 and D2) and the parallels (H1 and H2) should be identical to the extent possible, in order to ensure the proper unrolling of the screen.

$$D1 = D2 \text{ and } H1 = H2$$

- 2** If the motor cable used is visible and installed outdoors, this cable must be provided with additional protection.
- 3** Check that the end points are set. If they are not adjusted, set the end points so that the motor automatically stops in the desired upper and lower position (see documents on motor settings).
- 4** Be sure to set the lower point up to 0.5 inches from the end of the side guiding channels so that the screen continues to remain tensioned.
- 5** Check that all screws, bolts and nuts are firmly tightened.
- 6** Roll the screen up and down several times to ensure proper operation.

## 8 • Maintenance (also see our warranty certificate\*)

The product requires little maintenance, but in order to enjoy your product for many years, we do recommend the following:

- If the screen gets wet during an unexpected shower, you can easily roll up the screen and then, in better weather, unwind the screen to let it dry. Do not allow the screen to stay rolled up in a wet condition for more than three days so as to prevent mould and stains.
- Before cleaning, first remove loose dirt with a brush or vacuum cleaner. You can then use a cleaning product (avoid corrosive products) and remove the remaining dirt with lukewarm water. Always rinse the screen after cleaning. Do not clean in direct sunlight: quick-drying soapy water can leave stains on the screen.

Do not use abrasive products to clean.

- Dirty anodised or powder-coated profiles can be cleaned using lukewarm water and a gentle cleaning product. Never use corrosive or harsh products, abrasive sponges or other scouring products. We also advise against using high-pressure equipment.
- The hinges and moving parts should be lubricated at least once a year. A dry lubricant (TFE Flex Lube, ref. 1287) should be used for this purpose.
- Plastic sliding tubes can be lubricated with the dry lubricant (TFE Flex Lube, ref. 1287) after cleaning (removing twigs and leaves).
- Regularly check your product for twigs, leaves, birds' nests, etc. and remove them. Maintain this product with care.
- As the manufacturer, we recommend having a technical inspection carried out regularly by the installer, once each year in the case of non-residential construction and in the case of private sun protection.
- Always use original parts from the manufacturer.

Important to know:

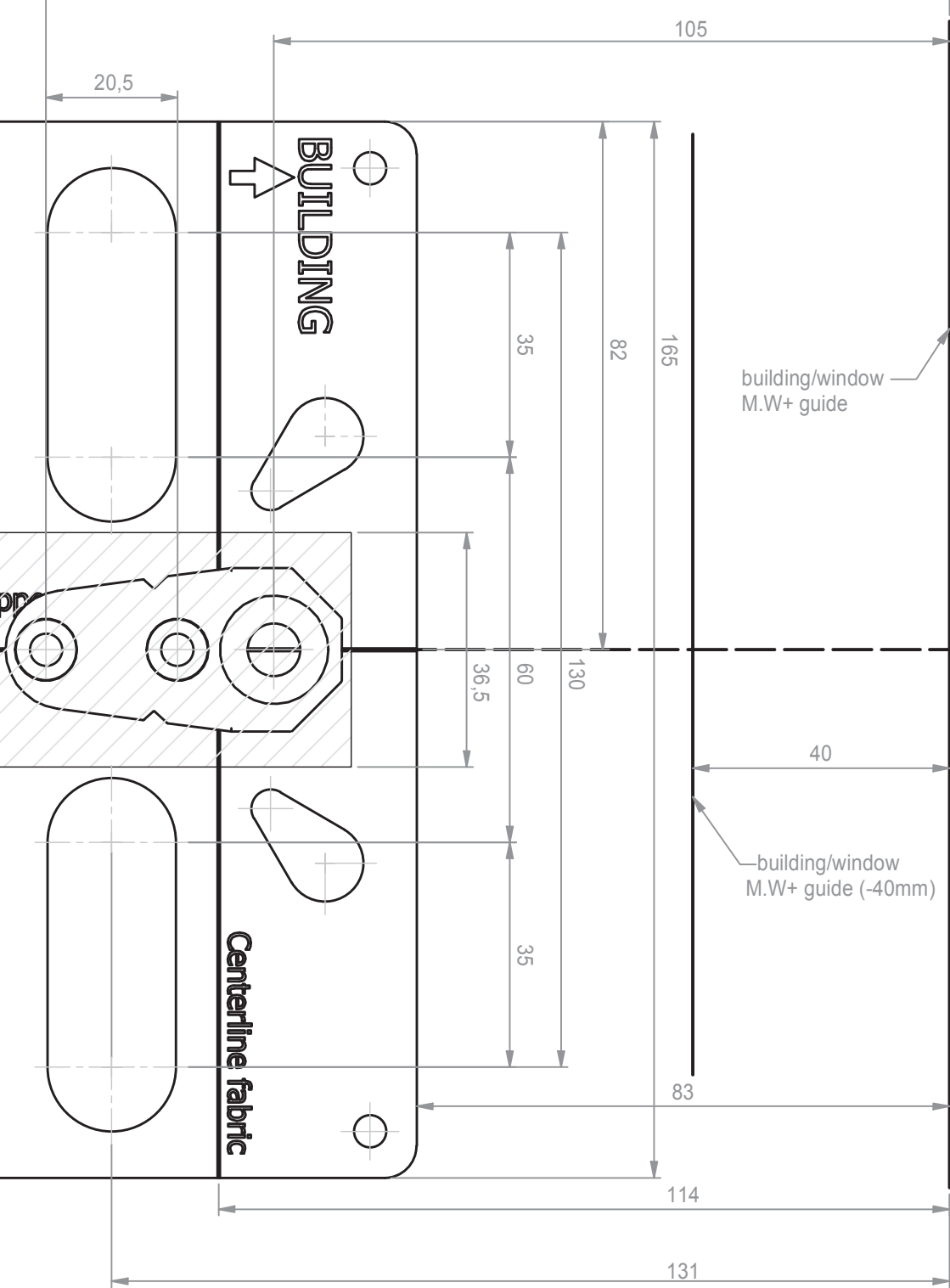
- The electrical connection must be made by a qualified electrician, in accordance with applicable standards.
- Renson accepts no liability/warranty on the automatic operation of the screen motor, other than Somfy's applications.
- Renson cannot guarantee that the communication protocol for building automation and/or home automation shall be compatible with the screen motor.
- Due to the production process, small colour deviations may occur between colour samples and the profiles/screens of the sun screen. There may be small colour differences between components and profiles.
- The canvas may show slight colour nuances and minor imperfections.
- Waffle, herringbone patterns or crease formation on screens are possible and are not covered by the warranty!
- The colour of the sun screen may change slightly over time, depending on the chosen colours and designs.
- In screens where the screen moves down vertically due to the weight of the bottom bar or due to a tensioning system, wrinkles can form in the screen depending on the type of screen.

\* This information does not replace the warranty certificate.

## 9 • Disposal of the product

Your screen can be fully recycled. Check with your local authority or nearest recycling station for local environmental regulations. Before dismantling the screen, turn off the power supply.

Materials must be separated when the product is destroyed. Combustible materials must be separated from non-combustible materials if the product is destroyed.



All photos shown are for illustrative purposes; the actual product may vary due to product placement.  
Renson® reserves the right to make technical changes to the products described in this brochure.  
The most recent product information, availability, and your local distributor can always be found on [www.renson.eu](http://www.renson.eu)

