

Technical Manual

Wind Screen Neo



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1. General recommendations regarding safety. Use and restrictions

In order to ensure the safe assembly, use and maintenance of this product, a number of precautionary measures must be taken. Please observe the following warnings and instructions, for the safety of all concerned. Please contact your distributor with any queries.

- This manual is intended as a reference for experienced professionals and should therefore not be used by DIY amateurs or trainee fitters.

- This manual describes the installation of the product assembly COMPONENTS, and refers to the electrical control installation manuals. If necessary, this manual should be supplemented with instructions for any additional COMPONENTS not described herein.

- Please read this manual carefully before starting work.

- Some COMPONENTS may be sharp or have jagged edges. It is therefore advisable to wear safety gloves.

- All parts supplied have been designed specifically for this product. The replacement or addition of other parts may have a negative effect on the safety of the product and its warranty. In addition, the CE certification of this product will become invalid if any parts are replaced or if the installation is not carried out in accordance with the instructions in this manual. The installer shall accept full responsibility in this regard.

- Ensure that the assembly area is sufficiently illuminated. Remove any obstacles or dirt. Make sure nobody is present besides the fitters. Unauthorised persons (especially children!) may interfere or cause hazards during installation.

Before assembly, it is very IMPORTANT for your safety and that of the product to follow all the recommendations listed below. A poor-quality installation may cause harm to people or damage to the installation itself.

Once the product has been unpacked, the professional fitter has to check its integrity. Before starting the installation, the arrangement of all components and tools must be checked in order to install the product correctly. In case of doubt, contact **Saxun**'s technical department.

Under no circumstances should a damaged product be installed, as it may damage the equipment and create situations that are dangerous for people.

These **systems are exclusively intended for the use for which they were designed**. Any other use is inappropriate, and therefore dangerous.

The system installation must always be performed by a professional fitter, respecting the manufacturer's indications, as well as knowing and applying all the regulations in force.

Should any damage and/or a system malfunction be detected, **do not continue** with the installation.

The manufacturer will not be liable for damage caused during the installation due to non-compliance with these recommendations.

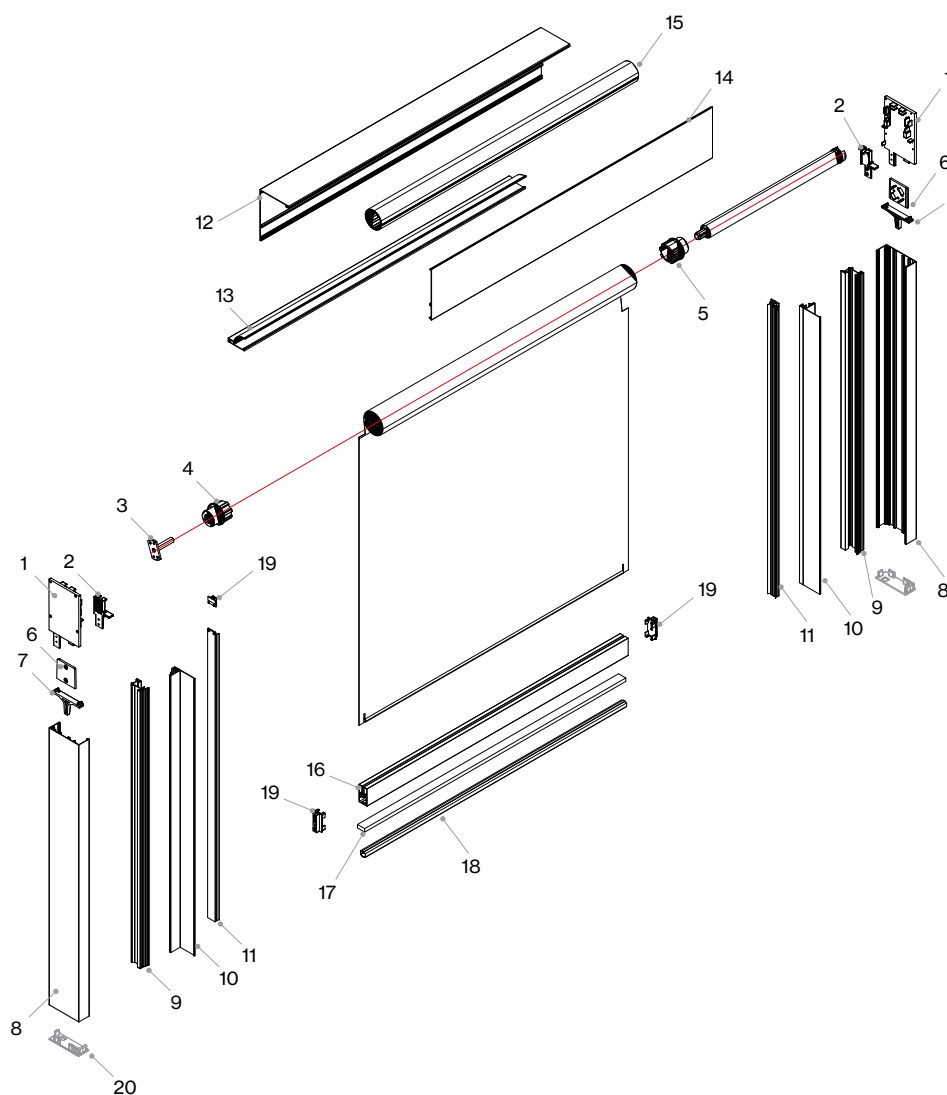
Important

For power operated products, the existing voltage must be checked before installation.

The connection must always be a grounded connection. Otherwise, do not continue the installation as it may be dangerous.

2. Parts list and section

2.1 Wind Screen Neo

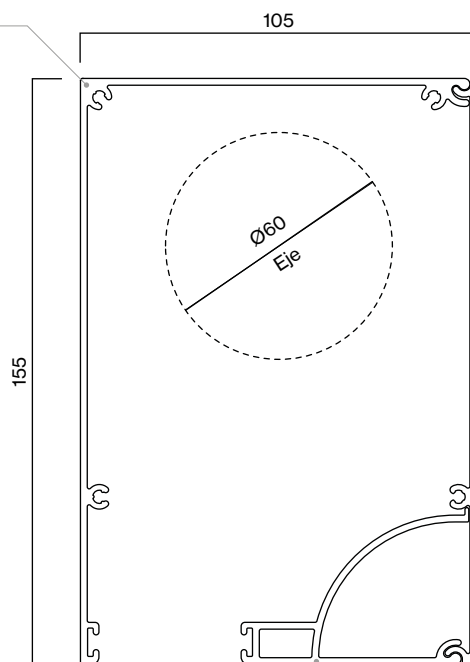


Components

Nº	Code	Description	Nº	Code	Description
1	120230	Set end cap	11	024179	Rack guide profile 26x13.5
2	120209	WS Neo Guide entries	12	120182	Box profile Wind Screen Neo
3	120239	Pivot bracket 14 mm D56	13	120183	WS Neo bottom access profile
4	024694	Hollow cap 14 mm - Axe ø60	14	120184	WS Neo front profile
5	024695	Motor cap LT40 - Axe ø60	15	030506	Aluminium tube 60
6	120210	WS Neo Sliding plates set	16	024131	Bottom weight 53 x 28 - Wind Screen Dante-Grazia
7	120211	WS Neo Sliding plate stop	17	024413	Calibrated bottom weight plate 25x10 mm
8	120185	Rear guide WS Neo	18	024186	Rubber seal 18x15
9	120187	WS Neo Intermediate guide	19	024202	Bottom weight-guide Wind Screen Dante-Grazia
10	120186	Front guide WS Neo	20	120251	WS Neo Guide covers set

2.2 Boxes and guides

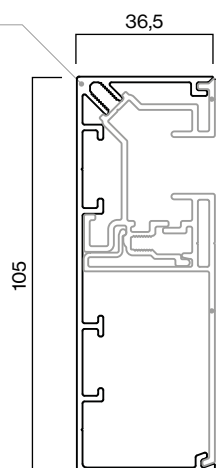
Box Profile WS
Neo
Ref. 120182



Box profile WS Neo
Ref. 120184

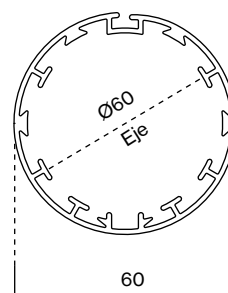
Bottom access profile
WS Neo
Ref. 120183

WS Neo
Rear guide
Ref. 120185



WS Neo
Intermediate guide
Ref. 120187

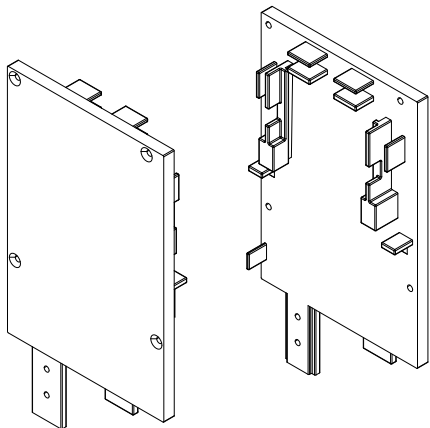
WS Neo
Front guide
Ref. 120186



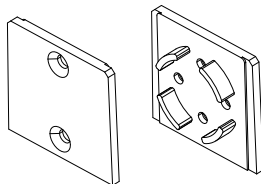
Axle Ø60 mm
Ref. 022805

2.3 Accessories

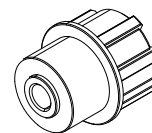
Set end cap WS Neo
120230



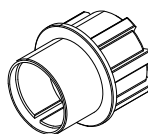
Sliding plates set
120210



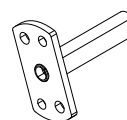
Hollow cap 14 mm
Axe Ø60
024694



Motor cap LT40
Axe Ø60
024695



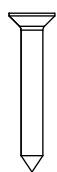
Pivot bracket 14 D56
120239



2.4 Screws



Screw DIN 7982
3,50x25 mm
507040



Screw DIN 7982 Z A2
4,20x19 mm
024289



Screw DIN 912 A2
M5x16 mm
050320



Screw DIN 912 A2
M4x16 mm
024874



DIN 7984 M4x8 mm
low head
120238



Screw 3,5x13
Self-tapping
027072



Screw DIN 7991
M6x8 Zinc-plated
507453



Screw DIN 7991
M4x6 mm A2
024503

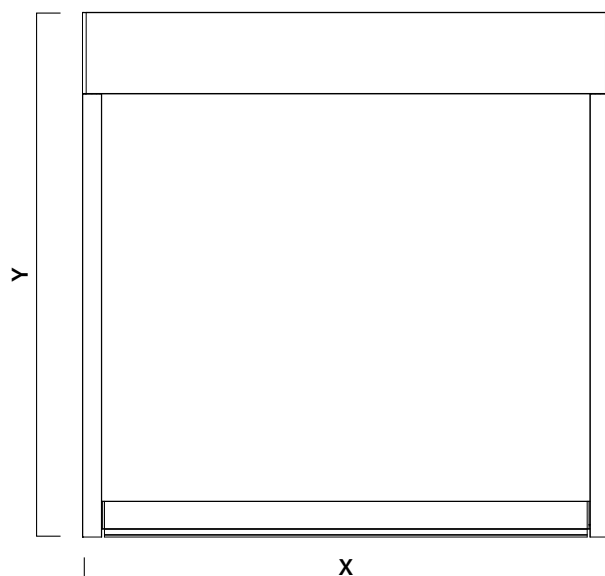


Lug 7mm
008876

3. Dimensions

Maximum		Minimum	
Height	3,00 m	Height	-
Width	3,50 m	Width (remote motor)	0,65 m
		Width (mechanical motor)	0,65 m
		Width (solar motor)	0,65 m

4. Cutting boards and selection



! Important

To cut the profiles it will be necessary to take into account the reduction tables according to the box size and actuator type.

Reductions are always based on the total dimensions (equivalent to the clearance of the space where they will be installed).

X Total width (mm)

Y Total height (mm)

4.1 Wind Screen box discounts bottom access

Ref.	Description	Descuento (mm)
120182	Box profile Wind Screen Neo	X - 14
120184	WS Neo front profile	X - 14
120183	WS Neo bottom access profile	X - 15
030506	Aluminium tube 60	X - 100
120186	Front guide WS Neo	X - 158
120187	WS Neo Intermediate guide	Y - 158
120185	Rear guide WS Neo	Y - 158
024179	Rack guide profile 26x13.5	Y - 120
024131	Bottom weight 53 x 28 - Wind Screen Dante-Grazia	X - 86
024413	Calibrated bottom weight plate 25x10 mm	X - 106
026015	Brush Ref.: 69-550	X - 14
024186	Rubber seal 18x15	X - 86
030278	Awning cord 5.5 mm	X - 86
024201	Rack Wind Screen Dante-Grazia	Y + 300

4.2 Wind Screen confection discounts bottom access

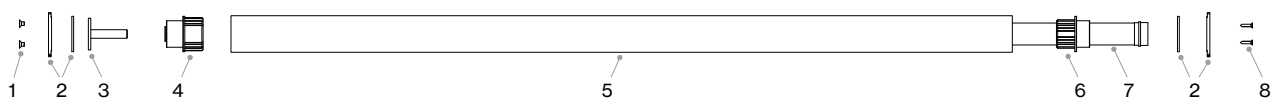
Dimensions	mm
Height	Y + 270
Width with motor (without rack)	X - 57
Width with motor (with rack)	X - 43

5.Assembly instructions

5.1 Axle preparation

The exploded view below show the different parts required. The tables include the parts and the numbers of items required, following the assembly sequence from left to right.

The drawings are schematic to better identify the part order. When starting to assemble, it will be necessary to insert the fabric onto the axle before beginning to assemble the remaining parts.



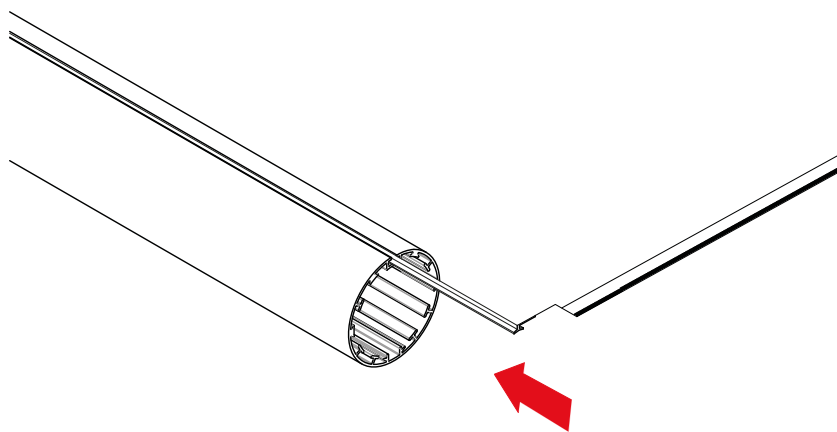
Components

Nº	Description	Ud.	Nº	Description	Ud.
1	Screw DIN 7991 M6x8 mm	2	5	Axle Ø60 mm	1
2	Set of sliding plates	1	6	Motor cap LT40 - Axe ø60	1
3	Pivot bracket D56	1	7	Motor Somfy	1
4	Hollow cap 14 mm – Axe Ø60	2	8	Screw DIN 7982 4,20x19 mm	2

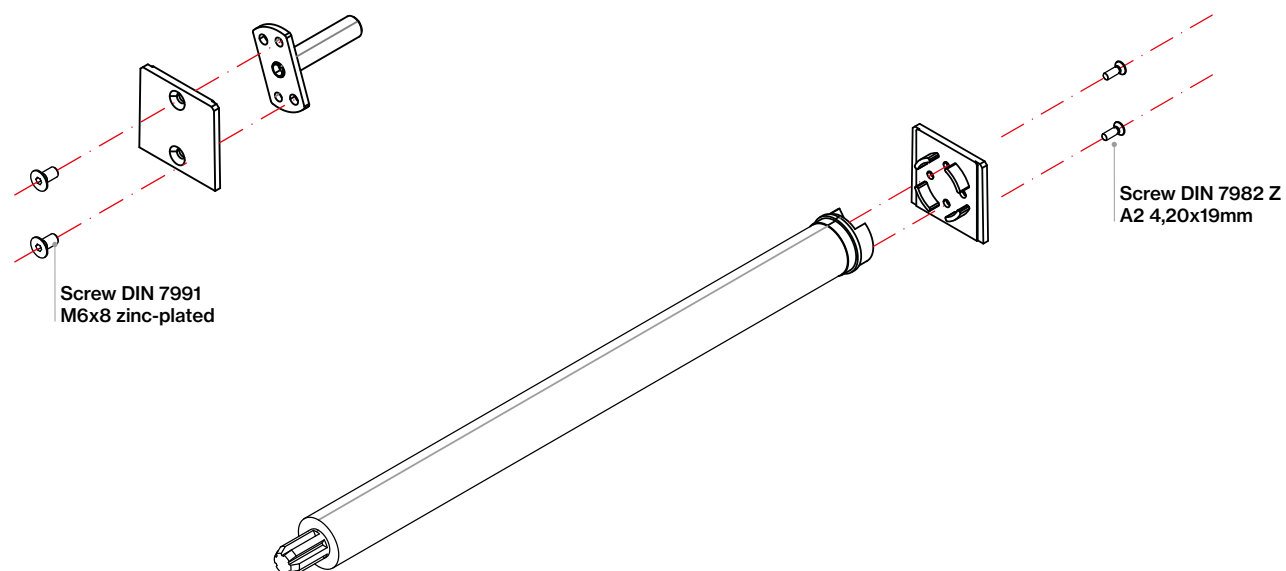
5.2 Axle assembly

The cutting size will appear on the production sheet. To check the measurement, use a flexometer (tape measure) and the measurement tables, included in the annex.

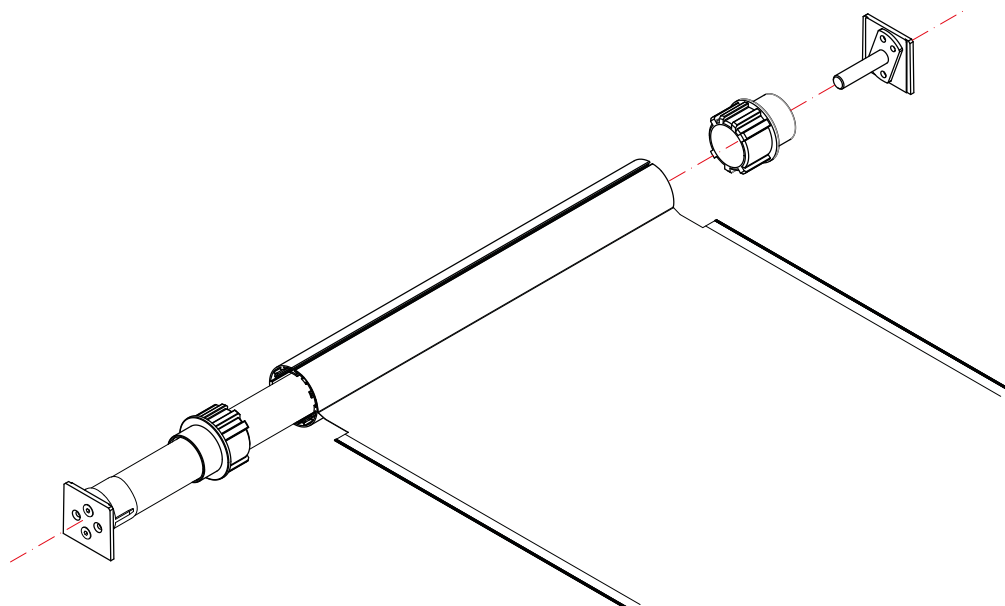
Attach the fabric to the axle by inserting the heat sealable profile through the groove in the axle.



Fasten the motor and the pivot to the sliding plates with the screws shown.

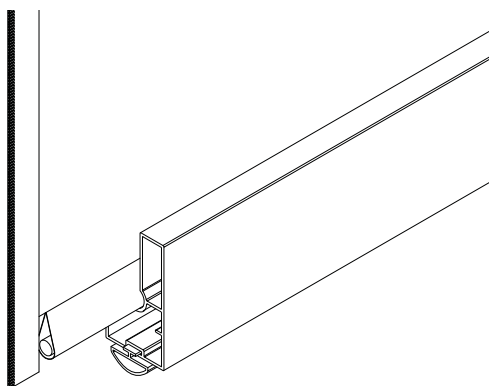


Finish assembling the axle as shown in the picture.

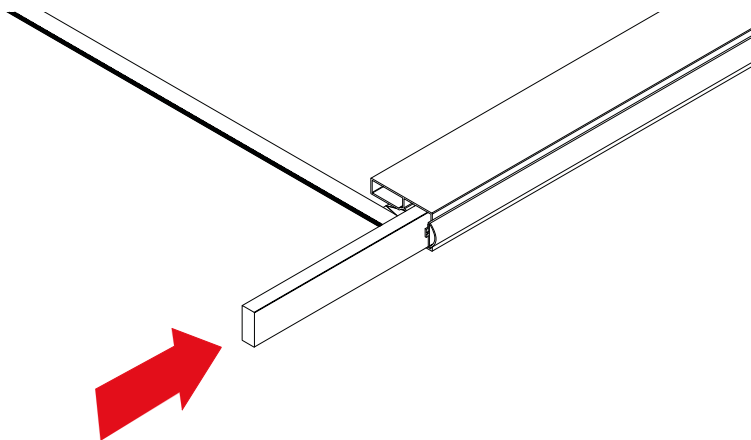


5.3 Bottom weight assembly

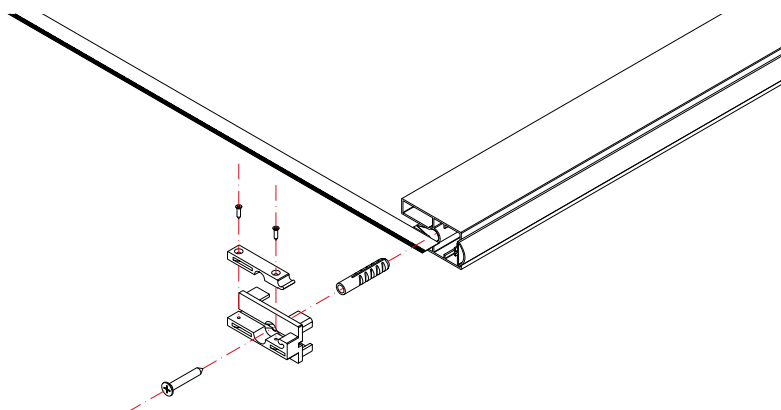
Insert the previously manufactured fabric in the bottom weight through the ogive. Also insert the bottom weight rubber.



Insert the plate 25x10 mm (counterweight) in the lower housing of the bottom weight.



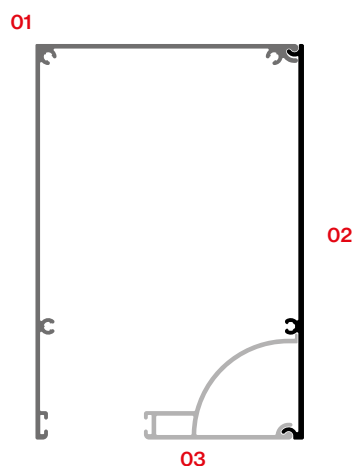
Assemble the cap with the bottom weight. Insert the lug and fasten the screw. Then, join both parts of the cap using two screws.



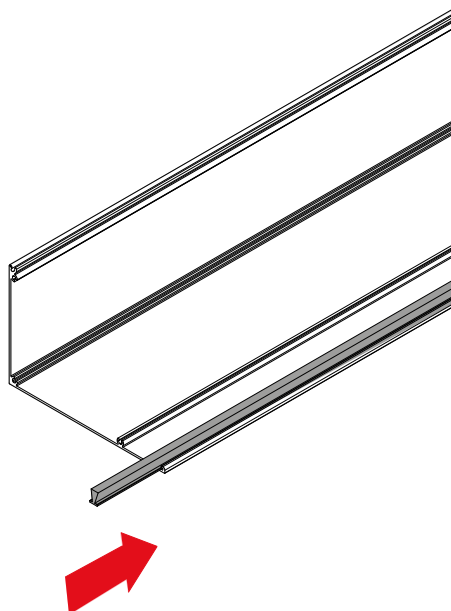
5.4 Box assembly

! Important

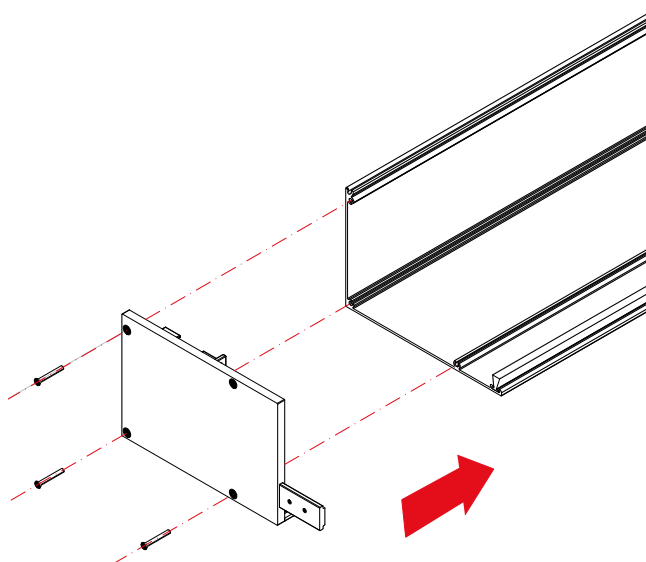
Carry out the machining on the box profile or front profile to pull through the motor cable.
Take the cable outlet of the motor into account before positioning the motor on the sliding plate.



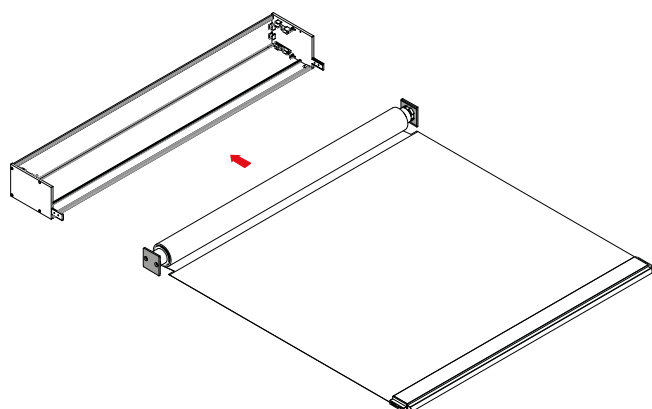
Insert the mat in the box profile.



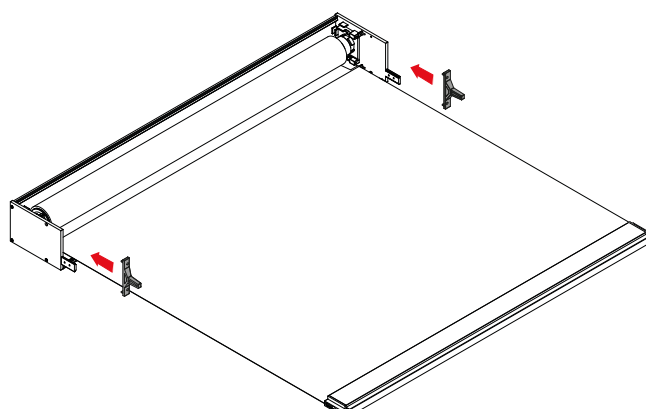
Join the end cap to the box profile. Fasten using the screws.



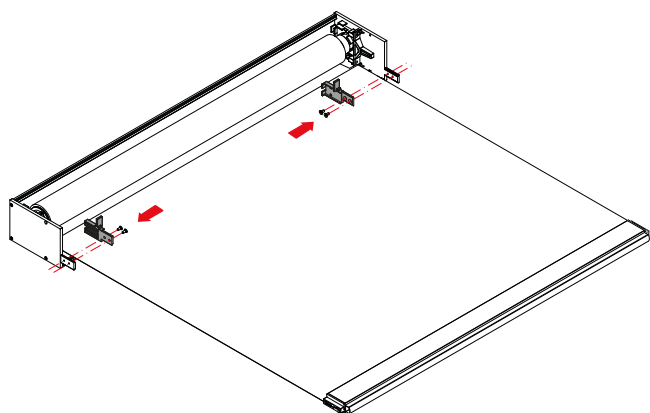
Insert the previously prepared axle in the box. Insert the side plates in the end caps rails until they click into place, until it reaches its final position.



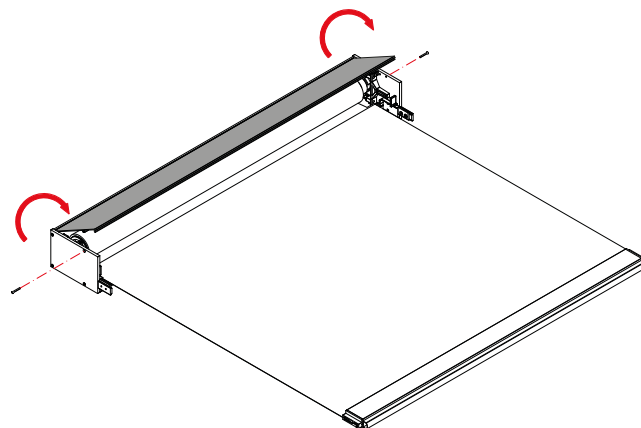
Fit the slide stops and fasten with DIN screws 912 A2 M4x16 mm.



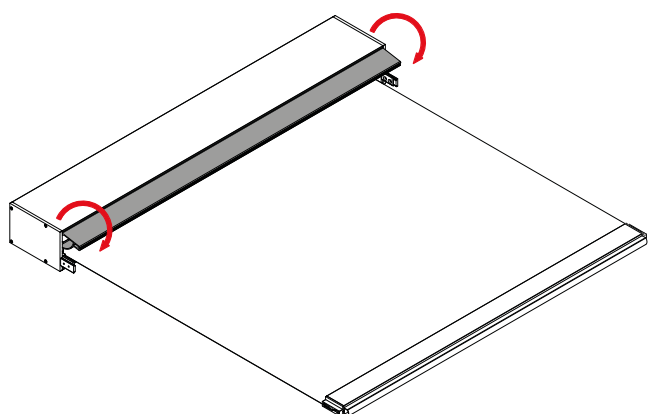
Place the PVC guide entries on the end caps and fix with DIN 7991 M4x6 screws.



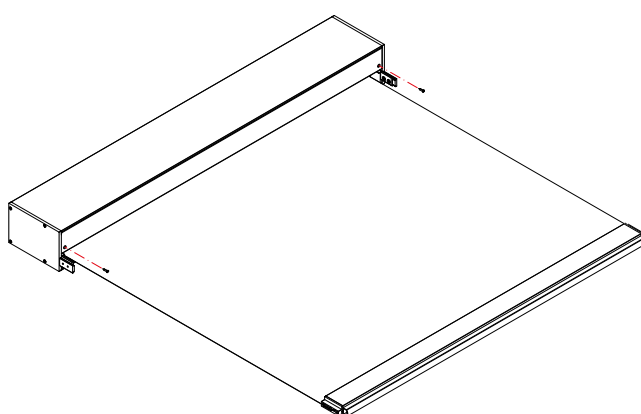
Place the front profile on the box and screw it to the end caps.



Finally, place the bottom access profile in the box and fasten with screws.



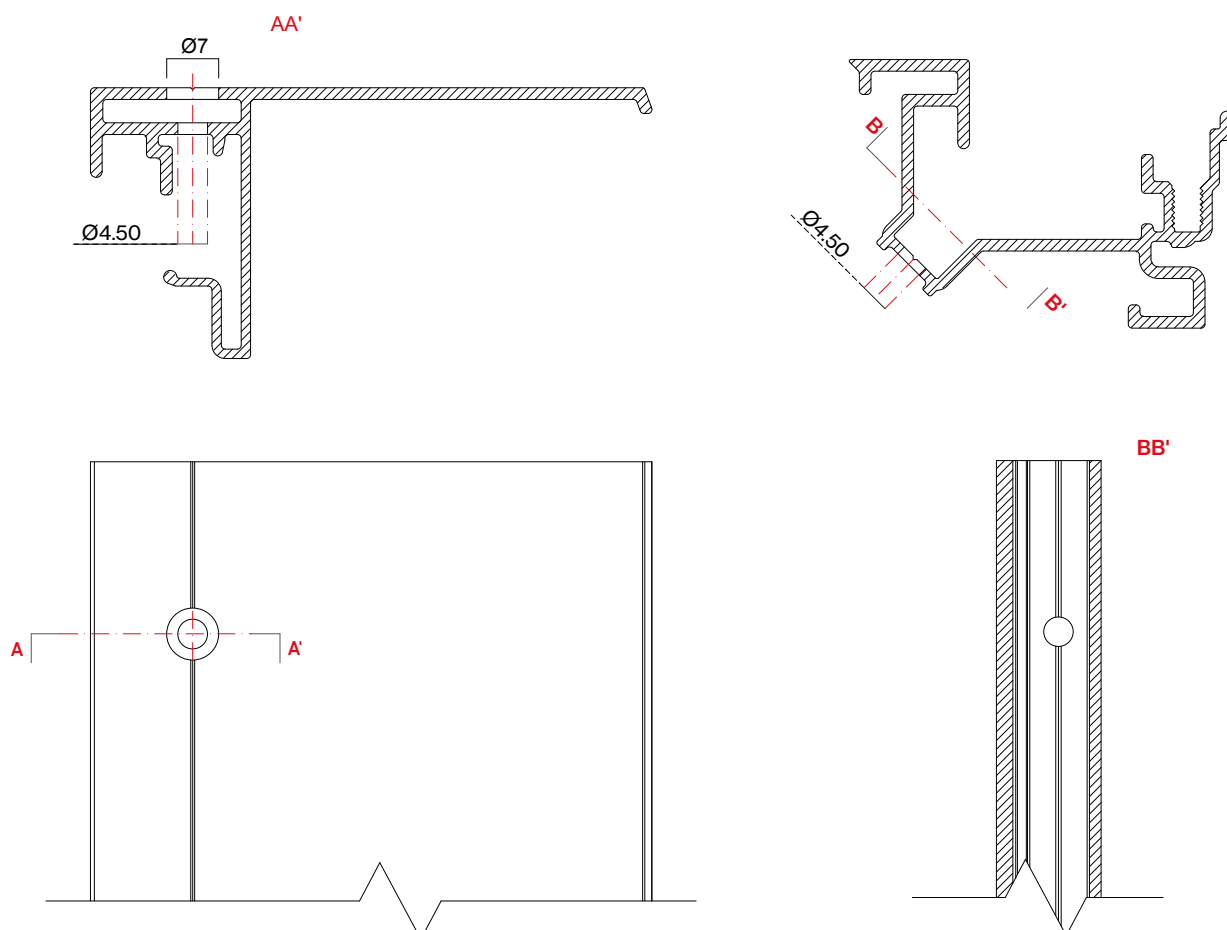
Fasten the bottom access profile to the PVC guide entries using the 3.5x13 self-tapping screws.



5.5 Guide preparation

The guides are integrated by three profiles, two in aluminium and a third one in PVC. For the connection, the intermediate profile is fixed onto the rear profile and screwed in place. The front profile is then positioned and fastened by clipping or screwing.

Between the rear profile and the intermediate profile, the front guide is drilled and a **DIN 912 A2 M4x25 mm screw is inserted**.



The table and the formulae will be used to obtain the number of screws and the distance between holes.

The first hole on each end will be drilled at 150 mm from the end. The rest will be drilled at the distance obtained with the formula.

Calculation of screws and distance

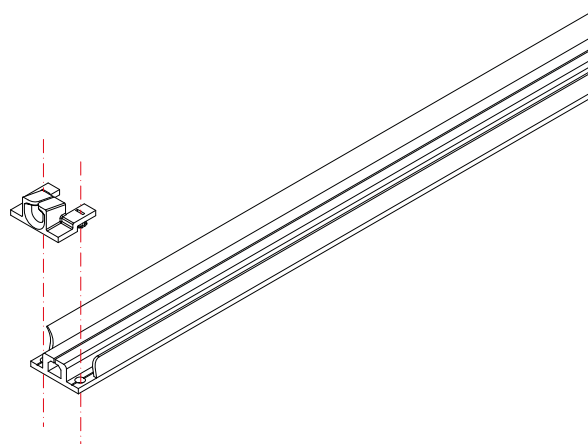
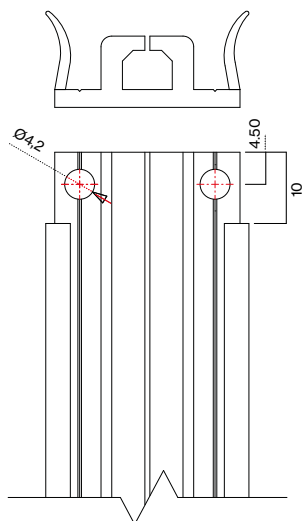
Lt	Total guide length
D	Distance between screws
cte	850
n	Number of screws
R	Round up

$$n = \frac{Lt - (150 \times 2)}{cte} + 1 = \text{result R}$$

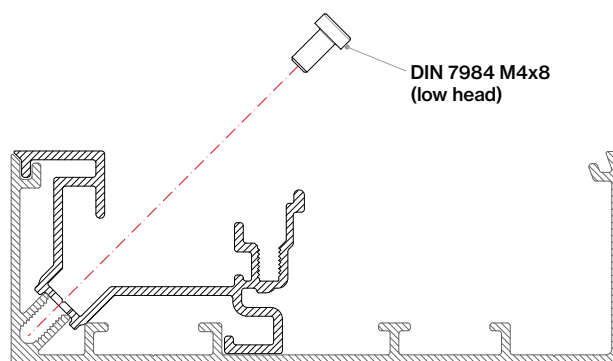
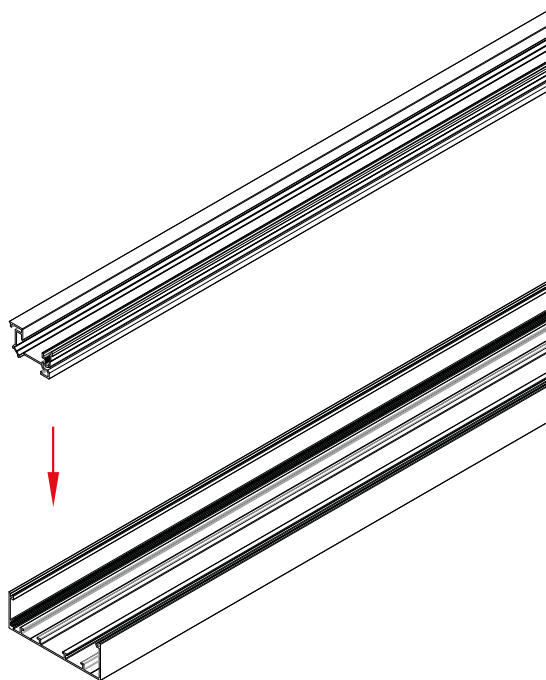
$$D = \frac{Lt - (150 \times 2)}{n - 1}$$

Remove 10 mm of rubber from the PVC guides in order to drill the holes at the indicated distance.

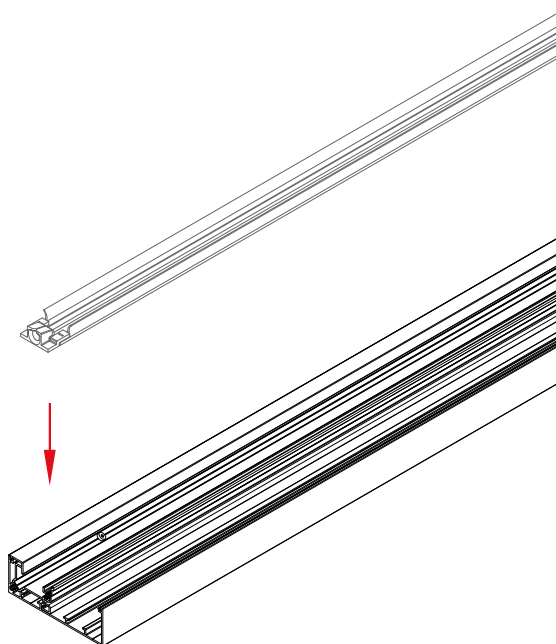
After drilling the holes, insert the funnel that comes in the terminal-guide kit.



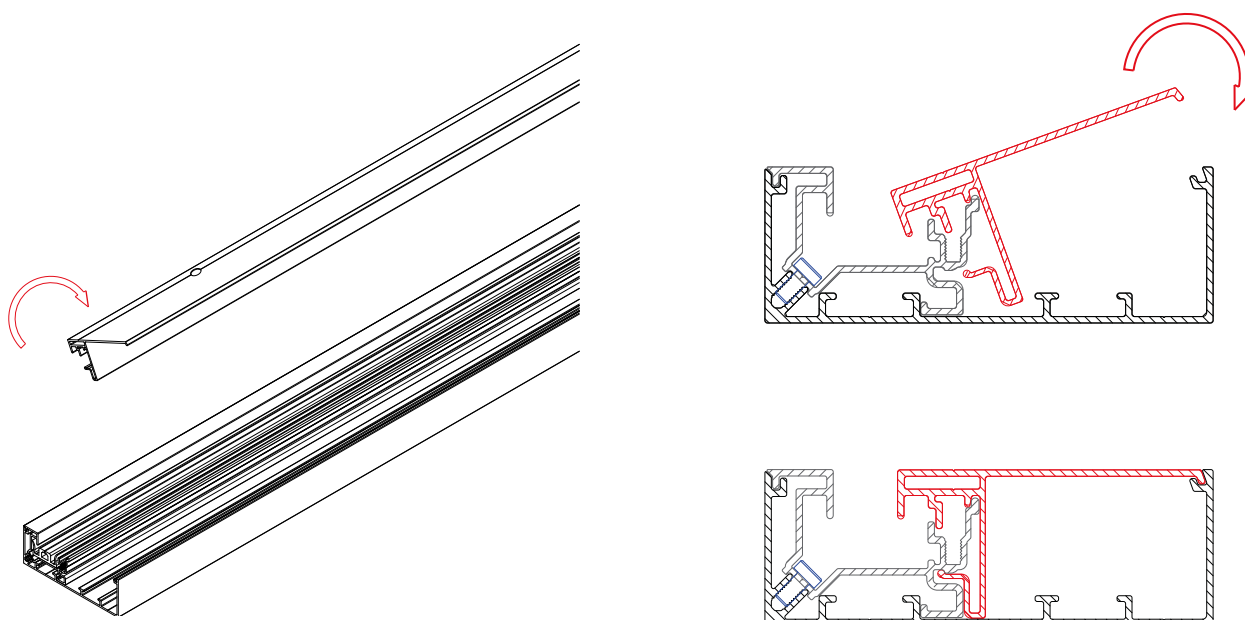
Position the machined intermediate guide on the rear guide. Then fasten with the **DIN 7984 M4x8 screw (low head)**.



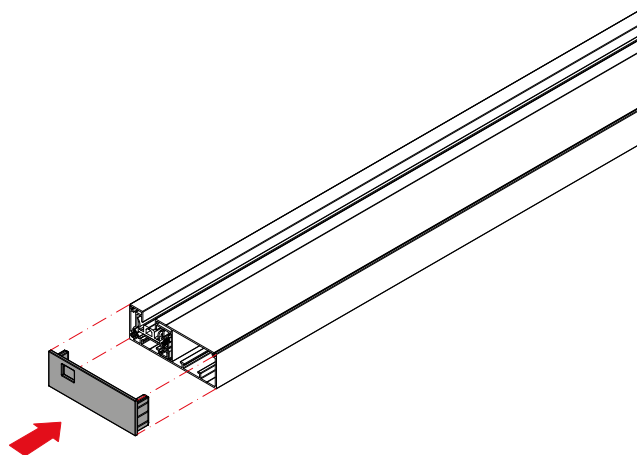
Insert the PVC guide on the intermediate guide.



After positioning the front guide, fold down and fasten with the clamping device.



Finally, the guide covers are snapped on at the lower end.



6. Installation instructions

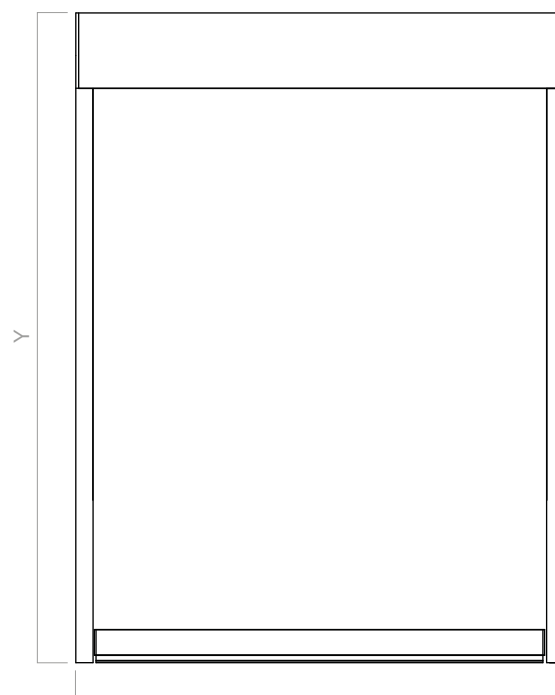
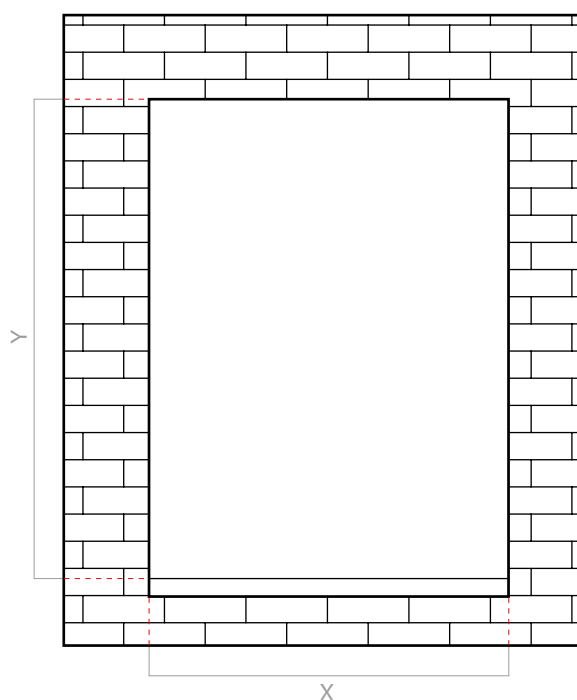
6.1 On-site installation

Verify the dimensions of the installation place.

X = Width total (mm)
Y = Height total (mm)

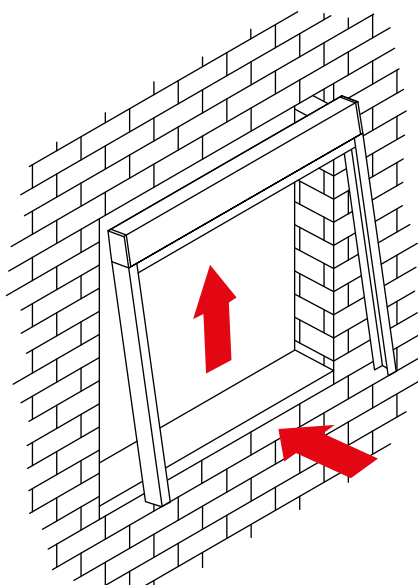
Check the dimensions of the product before installation. Verify that they are correct.

X = Width total (mm)
Y = Height total (mm)

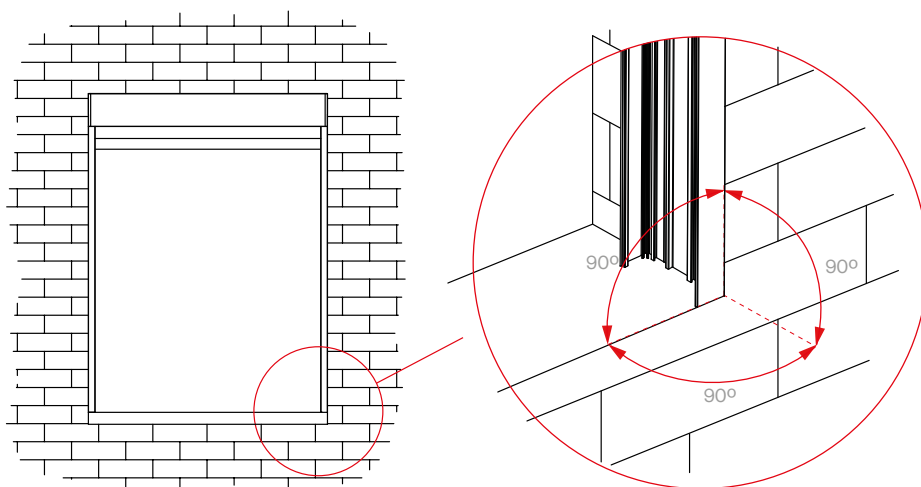


Assemble the box with the rear guides. Insert the end cap foot through the housing in the rear guide.

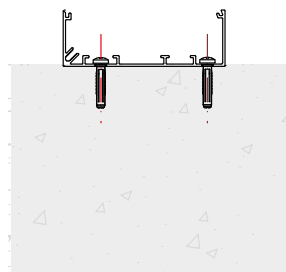
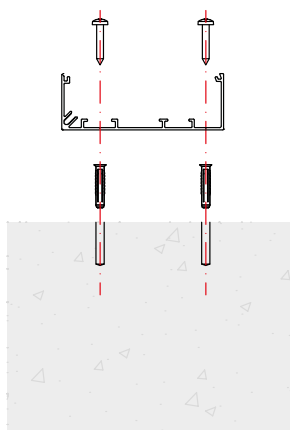
Position the product in the place where it is going to be installed.



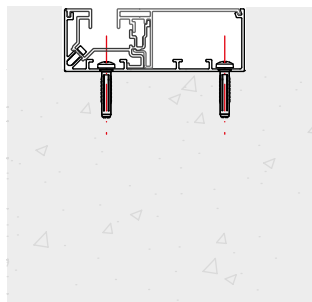
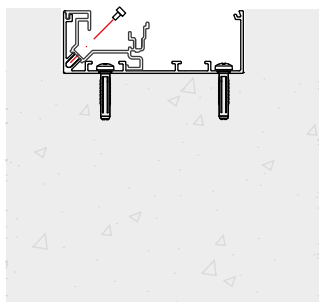
Check that the product is correctly levelled and square in all positions.



Fasten the systems through the guides. Take into account the type of wall when choosing the anchoring system.



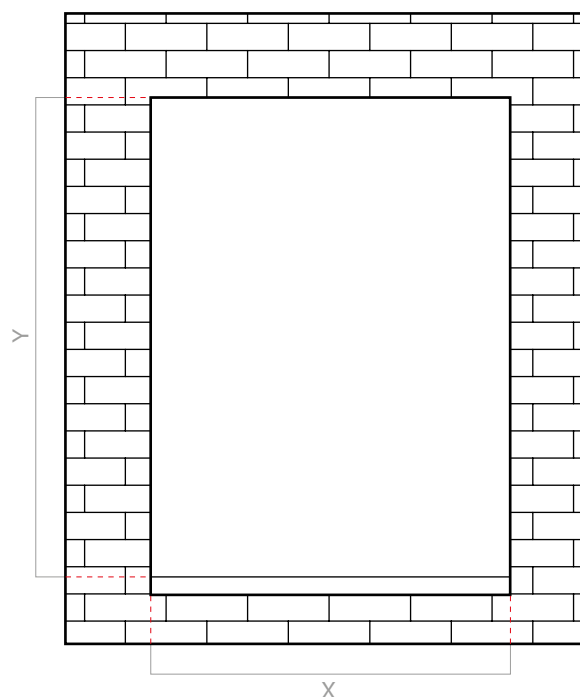
Finally, fix the intermediate guide and then fix the front guide by clipping or screwing it in place.



6.2 Flush-mounted installation

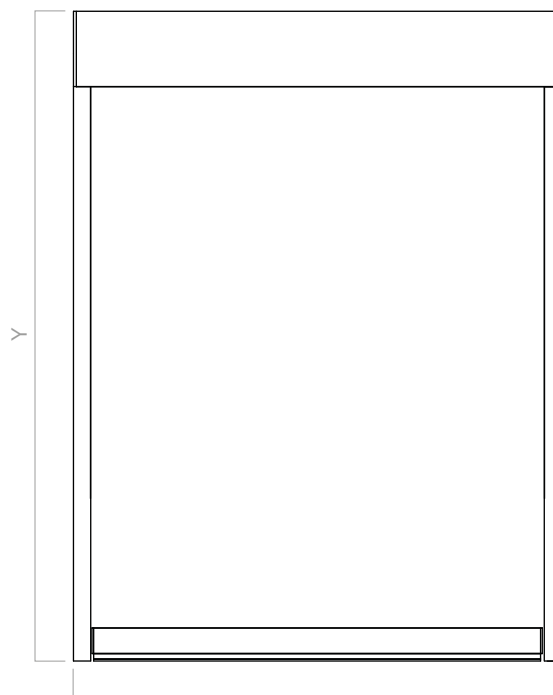
Verify the dimensions of the installation place.

X = Width total (mm)
Y = Height total (mm)

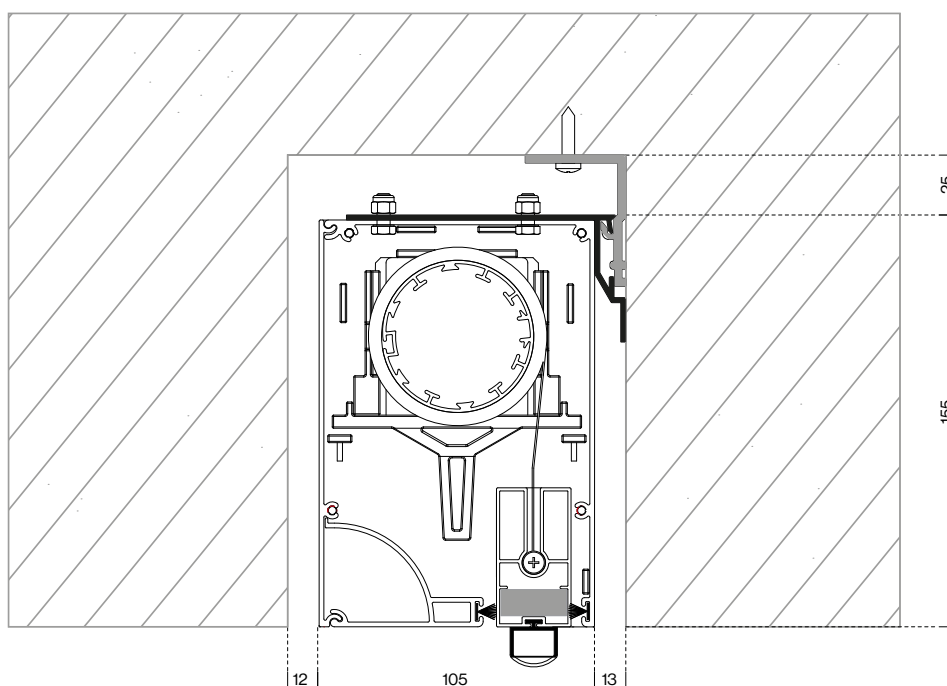


Check the dimensions of the product before installation. Verify that they are correct.

X = Width total (mm)
Y = Height total (mm)

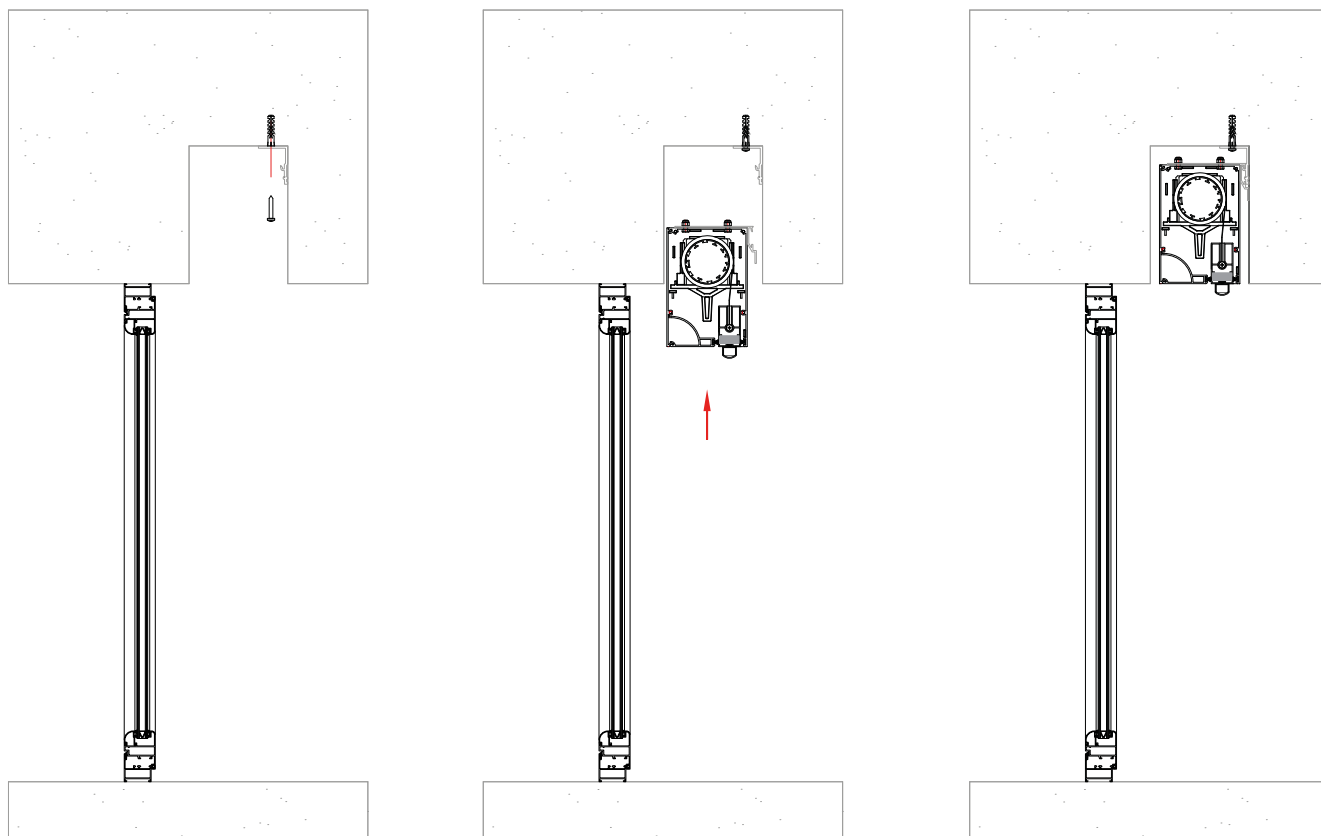


Measure and check the dimensions of the recess. The clearance dimensions of the opening in relation to the box must be taken into account.

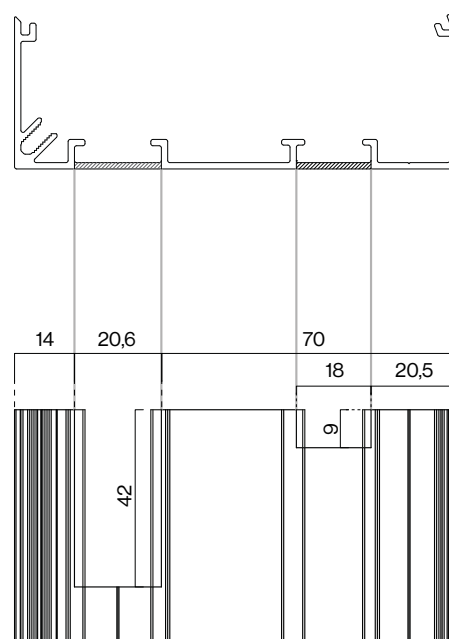


Once the dimensions of the recess have been checked, fix the box into the recess.

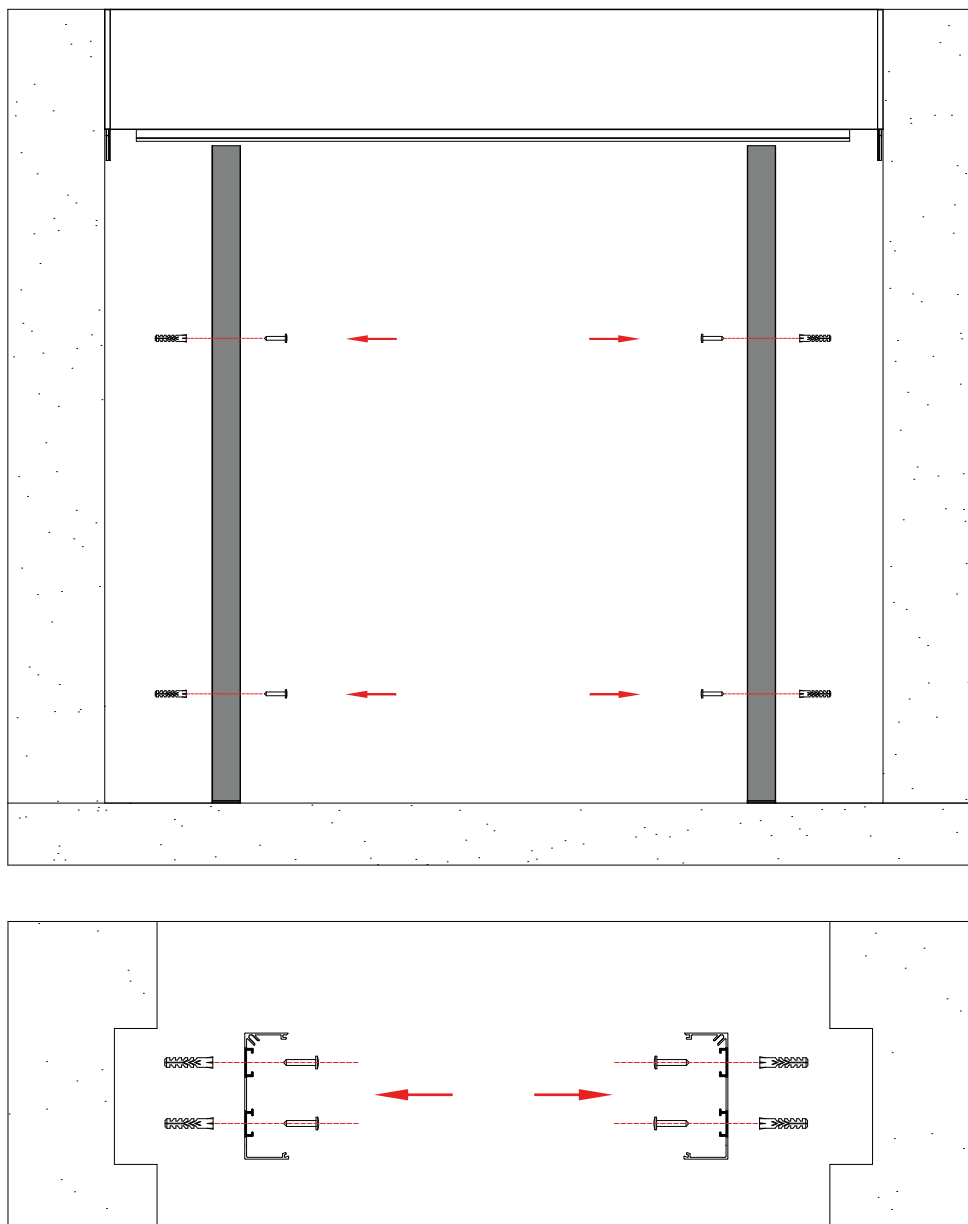
1. Position the supports on the ceiling, at the same distance as the platens already fixed to the box. Fasten the supports with the necessary screws.
2. Insert the box into the recess and hang it from the supports.



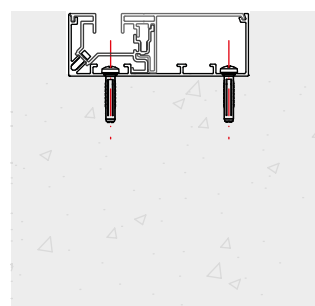
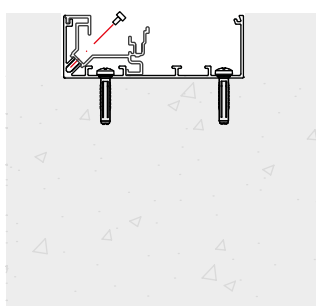
Then fix the rear guide profile in place, which is pre-machined to save the legs of the end caps.



Fix the rear guide profiles to the surface with the necessary screws.



Then fasten the intermediate guide with screws and fasten the front guide by clipping it in place.



7. Maintenance

7.1 Cleaning and care

For best use and extended durability of the screen, it is recommended to carry out regular maintenance and checks at least once a year, or even more often depending on the wear and tear caused by wind at the installation site.

To prevent rusting, periodic cleaning of gutters and profiles using neutral soap is recommended. This should be done at least once a year and more frequently for materials exposed to aggressive atmospheric conditions (marine, industrial, airborne dust, etc.) It is important to thoroughly rinse the products with water after using detergents to clean them, to avoid the build-up of salts on the profiles' surfaces.

This periodic cleaning, if done correctly, removes exogenous agents from the material's surface that may attack their covering and aluminium components, prolonging the lifespan of the profiles and maintaining their appealing aesthetic.

To clean the canvas, we recommend removing the dust that has accumulated without using water, to enable you to remove all the surface particles by vacuuming, air blowing, beating or brushing.

If you wish to remove finger or grease marks, use water with neutral soap. If they are water-based marks, clean them with at most a sponge and rub with a damp cloth.

NEVER use detergents or other chemical products.

Finally, the user must bear in mind the need to check the tightness of the screws in accordance with the tightening torques.

Annex I

What to do in case of emergency

Problem	Causes	Solutions
The fabric moves to one side	Badly levelled screen	Level correctly
The terminal does not lower	Thermal motor protection	Insert the guides correctly
The motor ceases to work after several minutes of continuous use	Thermal motor protection	Allow the motor to cool down for a few minutes

Motor configuration

1. Introduction

2. Safety

2.1 Safety and responsibility

2.2 Specific safety regulations

3. Installation

3.1 Motor preparation

3.2. Tube preparation.

3.3. Motor - tube installation.

3.4. Tube - motor set assembly.

4. Cables

5. Start-up

5.1. Identification of the setting steps already performed.

5.2. Prior registration of Somfy io local control point.

5.3. Motor rotation direction check.

5.4. Limit switch setting.

6. Use

6.1. Standard use.

6.2. Use with a Somfy io sensor.

7. Additional settings

7.1. Favourite position ("My").

7.2. Addition or deletion of control points and local control point.

7.3. Modification of limit switches.

7.4. Advanced functions.

8. Tips and tricks

8.1. Do you have any questions about the Sunea screen io?

8.2. Replacing a lost or damaged Somfy io control point.

8.3. Restoring to original settings.

9. Technical data

1. Introduction

The Sunea Screen io motor has been designed for all types of screens with side arms, as well as vertical screens that do or do not have a cassette.

What is io-homecontrol®?

The Sunea screen io uses io-homecontrol®, a new, safe and wireless communication protocol used by the top manufacturers in the home furnishing sector. The io-homecontrol® technology allows communication and control using a single control point and comes with all kinds of accessories for comfort and safety.

The flexibility and perfect compatibility of the io-homecontrol® system allow it to adapt to the ever-changing needs of the customer. Automatisation of the rolling and main entrance shutters, the exterior screens, the portico and the garage door to garden lighting, all thanks to the io-homecontrol® system.

The ever-growing range of accessories are compatible with the existing installation thanks to io-homecontrol® technology, that guarantees their interoperability.

For further information, consult the website
www.io-homecontrol.com

2. Safety

2.1 Safety and responsibility

Before installing and using the product, read this guide carefully.

A property motorisation and automatisisation professional must carry out the installation of this Somfy product. This guide is directed at such professionals.

The installer must also comply with the standards and regulations in force in the country of installation and must inform their clients of the terms and conditions of use and maintenance of the product.

Any use differing from the application established by Somfy shall be considered prohibited use. This, along with any breach of the instructions contained in this guide, shall lead to the exemption of Somfy from any responsibility and guarantee.

Before its installation, check the compatibility of this product with the associated equipment and accessories.

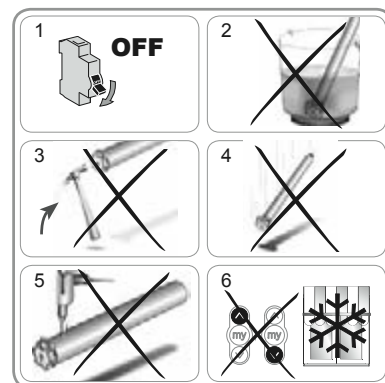
2.2 Specific safety regulations

In addition to the safety standards described in this guide, the instructions detailed in the attached document, titled "Safety standards that must be respected and conserved" must be followed.

1. Cut the electrical power to the screen before performing any maintenance procedures. .

To avoid damaging the motor:

2. Do not submerge
3. Avoid knocks.
4. Avoid dropping.
5. Do not drill.
6. Avoid operation in the case of formation of ice on the screen.

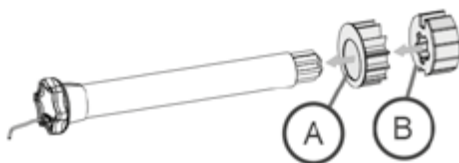


3. Installation

The Sunea io must be installed in a location that is protected from the elements.

3.1 Motor preparation

1. Insert crown (A) and wheel (B) into the motor.

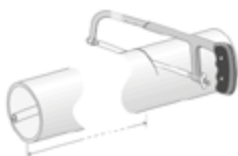


2. Measure the length (L1) between the inner edge of the motor head and the end of the wheel.

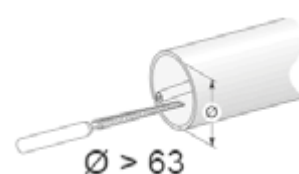


3.2. Tube preparation.

1. Cut the tube to the required length..



2. Remove burrs and chips from the rolling tube.



3.3. Motor - tube installation.

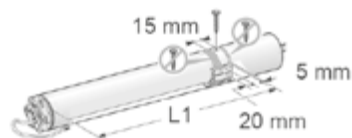


1. Insert the motor into the roller tube.



Important

The screws or Pop rivets must not be attached to the motor, just to the wheel..



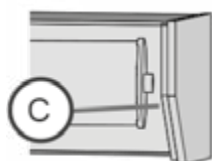
2. For safety reasons, secure the roller tube to the wheel using 4 x $\varnothing 5$ mm Parker screws or 4 x $\varnothing 4.80$ mm steel:

- Pop rivets, located at least 5 mm from the outer end of the wheel ($L1 - 5$) and
- at most 15 mm from the outer end of the wheel ($L1 - 15$).

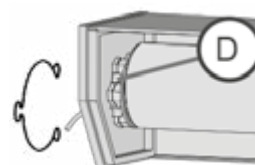
3.4. Tube - motor set assembly.

Mount the end to the tube.

3.4.1 Star head motor

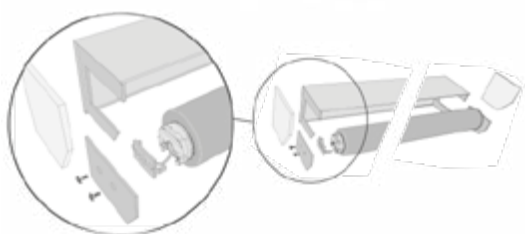


Install the tube - motor set onto end bracket C.



Install the tube - motor set onto motor bracket D.

3.4.2 Round head motor



Attach the bracket to the motor head and then the movable locking element.



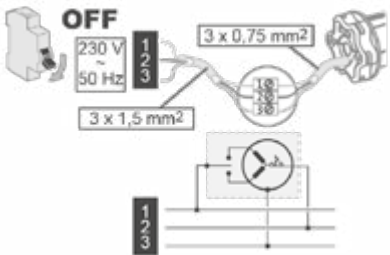
Insert the set of movable tube-motor-locking elements into the end plate.

4. Cables

! Important

Always make a loop in the power cable to avoid water penetrating the motor. During installation, comply with the standards and legislation in force.

2. Connect the motor as per the information in the following table



1. Cut the electrical power



230 V - 50 Hz	Motor cable
1 Brown	Phase (P)
2 Blue	Neutral (N)
3 Green-Yellow	Earth (⊥)

5. Start-up

This guide only describes the start-up process with a Situo io type Somfy io local control point. For start-up with any other type of io control point, consult the relevant guide.

5.1. Identification of the setting steps already performed.

! Important

Only one motor must be powered at a time..



Provide power and follow process “a” or “b” according to the actions of the screen:

A) The screen moves slightly

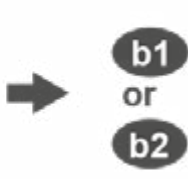
The limit switches are set and there is no Somfy io control point registered. Continue to the chapter titled “Registration of first Somfy io local control point”.



➔ Registration of the first Somfy io local control point.

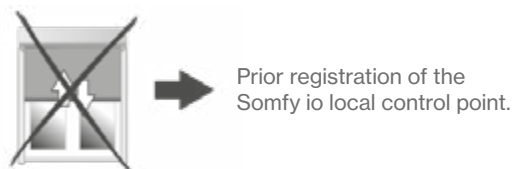
B) The screen does not move

Press the raising or lowering button and carry out process “b1” or “b2” according to the actions of the screen:



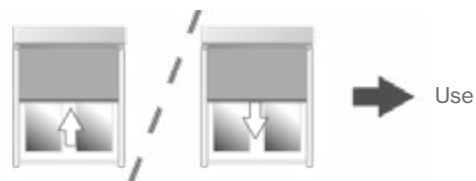
b1) The screen still does not move

The limit switches are not set and there is no Somfy io control point registered. Continue to the chapter titled "Prior registration of the Somfy io local control point".



b2) The screen raises and lowers completely

The limit switches are not set and there is no Somfy io control point registered. Continue with chapter titled "Use".



5.2. Prior registration of Somfy io local control point.

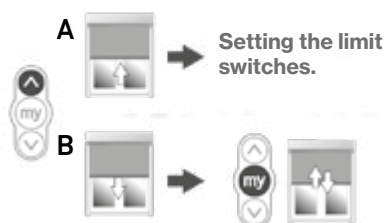
Simultaneously press the raising and lowering switches: the screen will move briefly. The Somfy io local control point will have been registered in the motor.



5.3. Motor rotation direction check.

Motor rotation direction check

Press the raising button on the Somfy io local control point:



A) If the screen raises, the rotation direction is correct. Continue to the "Limit switch setting" chapter.

B) If the screen lowers, the rotation direction is incorrect: press the "My" button until the screen moves. The rotation direction will have changed.



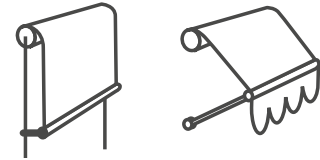
Press the raising button to check the rotation direction.

5.4. Limit switch setting.

The limit switch settings depend on the type of screen.

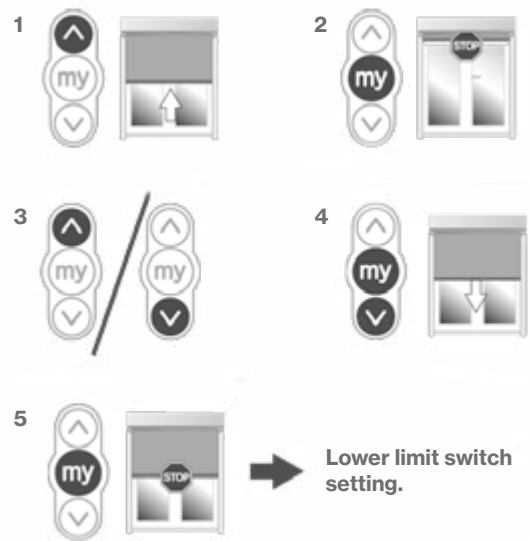
Settings for vertical screens without top stops and screens with side arms

For vertical screens with no top stop or screens with side arms without end caps, the upper and lower limit switches must be set.



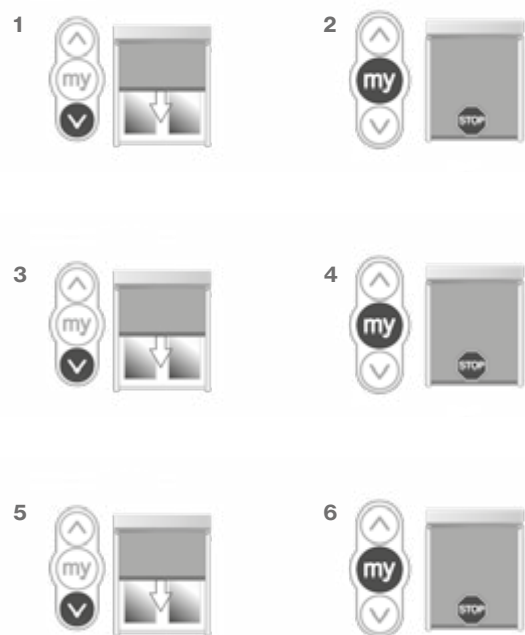
Upper limit switch setting

1. Place the screen in the upper limit switch position.
If the raising button is pressed for > 2 s, the screen will roll up continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and lowering buttons: the screen will lower continuously even after you stop pressing the “My” and lowering buttons.
5. At mid position, briefly press the “My” button to stop the screen and proceed to the chapter entitled “Setting the lower limit switch”.



Lower limit switch setting

1. Position the screen in the lower limit switch position.
If the raising button is pressed for > 2 s, the screen will roll down continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and raising buttons: the screen will raise continuously even after you stop pressing the “My” and raising buttons.
5. At mid position, briefly press the “My” button to stop the screen.
6. Press the “My” button again until the screen moves: the limit switches are now registered. Continue to the chapter titled “Registration of first Somfy io local control point”.



Setting for vertical screens with top stop only

In the case of screens with a top stop (stopping the loading bar on the end plate), the upper limit switch sets automatically while the lower limit switch sets.

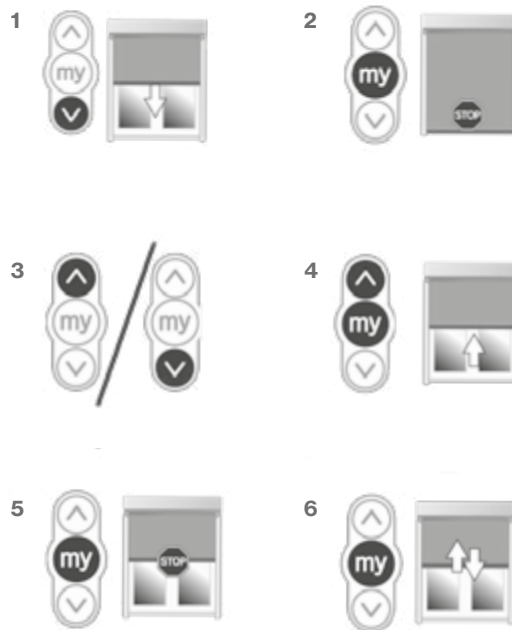
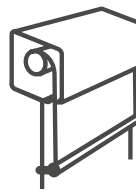
Lower limit switch setting

Do not use the “My” and lowering buttons simultaneously to reach the lower limit switch.

1. Position the screen in the lower limit switch position.
If the lowering button is pressed for > 2 s, the screen will roll down continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and raising buttons: the screen will roll up continuously even after you stop pressing the “My” and raising buttons.
5. At mid position, briefly press the “My” button to stop the screen.
6. Press the “My” button again until the screen moves: the limit switches are now registered, continue to the chapter entitled “Registration of the first Somfy io local control point”.

Settings check

Check the settings of the upper and lower limit switches with the Somfy io local control point.



6. Use

6.1. Standard use.

1. Favourite position (“My”)

Definition

The motor can register an intermediate position named “favourite position (My)” that is different to the upper and lower limit positions.

To register, modify or delete the favourite position (“My”), consult the “Additional settings” chapter.

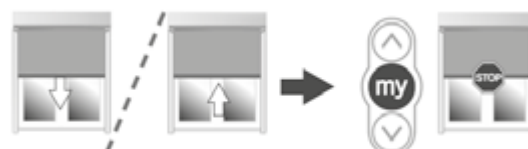
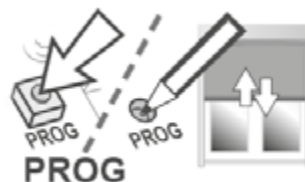
To use the favourite position (“My”):
Briefly press the “My” button: the screen will start moving and will stop in the favourite position (“My”).

2. STOP Function

The screen is moving. Briefly press the “My” button: the screen stops automatically.

3. Raising and lowering buttons

If you briefly press the raising or lowering button, the screen raises or lowers completely.



6.2. Use with a Somfy io sensor

1. Use with a Somfy io solar sensor (Sunis WireFree™ io)

Consult the relevant guide.

2. Use with a Somfy io wind sensor (Sunis Eolis WireFree™ io)

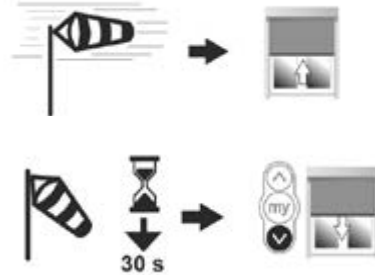
Consult the guide for the Somfy io wind sensor for further information about its use.

3. Behaviour of the screen in windy conditions

When conditions are windy, the screen will start to move to reach the upper limit switch. It is impossible to impede the raising of the screen and make it lower itself while conditions are windy.

4. Behaviour of the screen in non-windy conditions

Once the wind stops, the control point can transmit a manual descent command after 30 seconds. Notwithstanding, all the automatisations will still remain blocked for 11 more minutes.



5. Feedback

After each order, the Sunea io sends a message. This response is handled by the bidirectional io control points.

7. Additional settings

7.1. Favourite position ("My").

1. Registering or modifying the favourite position ("My")

The processes of registering and modifying the favourite position ("My") are the same.

- 1) Place the screen in the favourite position ("My") desired.
- 2) Press the "My" button until the screen moves: the favourite position ("My") will be registered.



1.1 Deleting the favourite position ("My")

- 1) Press the "My" button: the screen will start moving and will stop in the favourite position (My).
- 2) Press the button again until the screen moves: the favourite position ("My") will be registered.

7.2. Addition or deletion of control points and local control point.

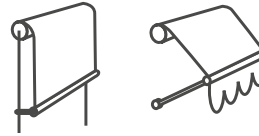
Consult the relevant guide..

7.3. Modification of limit switches.

The modification of the limit switches depends on the type of screen.

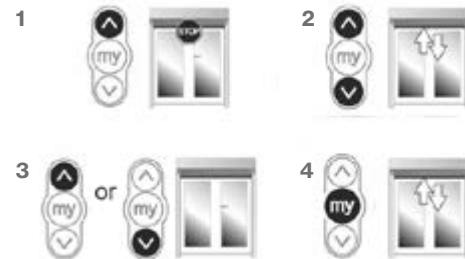
7.3.1 Modification of vertical screens without top stops and screens with side arms

In the case of vertical screens without top stops or screens with side arms without end caps, the 2 limit switches can be modified.



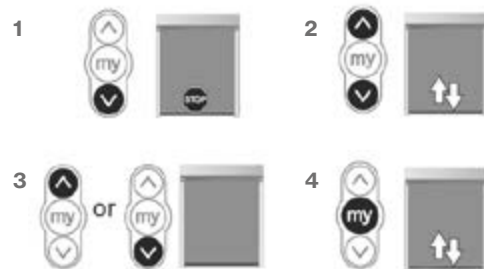
Resetting the upper limit switch

- 1) Place the screen in the upper limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Set the upper position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new upper limit switch has been registered.



Resetting the lower limit switch

- 1) Place the screen in the lower limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Adjust the lower position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new lower limit switch has been registered.



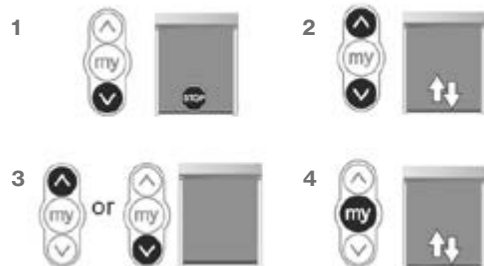
7.3.2 Modification for vertical screens with top stops only

In the case of screens with top stops (stopping the loading bar on the end plate), the upper limit switch is automatically set while the lower limit switch can be changed.



Resetting the lower limit switch

- 1) Place the screen in the lower limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Adjust the lower position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new lower limit switch has been registered.



7.4. Advanced functions.

4. Advanced Functions

Contact the screen manufacturer before using these functions to check the compatibility of its installation.



7.4.1 The “Back release” function, for vertical screens with top stop only

This function allows the tension in the canvas to be released after closing screens with upper stops (stopping the loading bar on the end plate).

The procedure for activating or deactivating “Back release” is the same.

For safety reasons, this function can only be activated or deactivated using the control point in 3 cases:

- After the 2 s stop confirming the settings and before recording the first Somfy io control point.
- After recording the first Somfy io control point and during the following 4 cycles.
- After a cutting-off of power supply and during the next 4 cycles.

To install this function:

- 1) Place the screen in the upper limit switch position.
- 2) Simultaneously press the “My” and lowering buttons until the screen moves.

- The “Back release” function is activated if it is inactive.
- The “Back release” function is deactivated if it is active.



7.4.2 The “Closing force” function, for vertical screens with top stops only

This function allows the user to increase or reduce the force of the loading bar on the end plate on 3 levels (high-medium-low).

By default, the motor comes from the factory at the medium level.

For safety reasons, this function can only be accessed from the Somfy io control point in 3 cases:

After the 2 s stop confirming the settings and before recording the first Somfy io control point.

After recording the first Somfy io control point and during the following 4 cycles.

After a cutting-off of power supply and during the next 4 cycles.

To install this function:

1) Place the screen in the middle position.

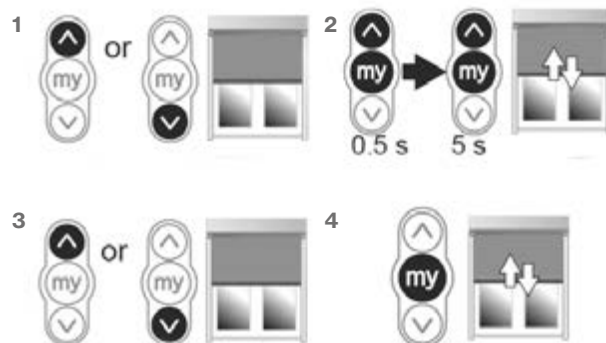
2) Briefly and simultaneously press the “My” button and the raising button followed by a simultaneous sustained pressing of the “My” and raise buttons until the screen moves.

The motor is in programming mode for only 10 s.

3) Set the closing force using the raising and lowering buttons.

- To increase the closing force, press the raising button until the screen moves slowly: the closing force of the cassette screen moves up a level.
- To reduce the closing force, press the down button until the screen moves slowly: the closing force of the cassette screen moves down a level.

4) Press the “My” button again until the screen moves: the new closing force has been registered.



8. Tips and tricks

8.1. Do you have any questions about the Sunea screen io?

Problem	Possible causes	Solutions
The fabric moves to one side	The cabling is incorrect	Check the cabling and modify it if necessary
	The motor is too hot	Wait for the motor to cool down.
	The cable used is incorrect	Check the cable used and make sure it has 3 wires
	The Somfy io control point battery needs replacing	Check the battery and change it if a new battery is needed..
	The control point is incompatible.	Check compatibility and change the control point if necessary.
The terminal does not lower	The io control point used is not stored in the motor.	Use the registered control point or register this control point.
	The crown is positioned incorrectly.	Mount the crown correctly.
	The limit switches are incorrectly programmed.	Set the limit switches again.

8.2. Replacing a lost or damaged Somfy io control point.

Consult the relevant guide.

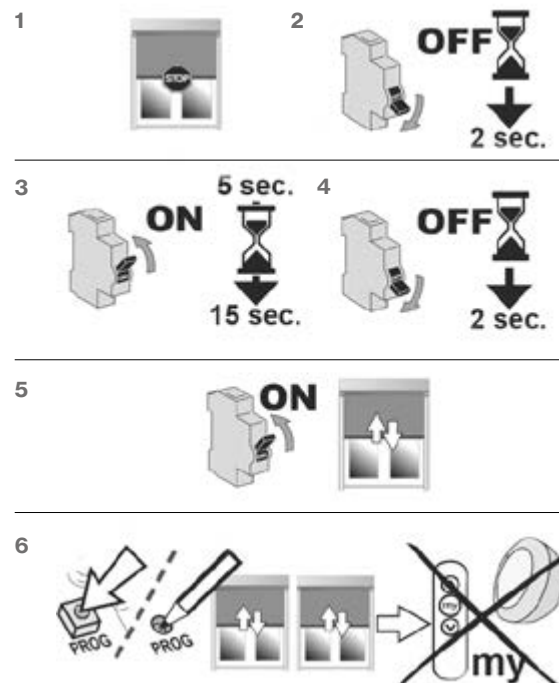
! Important

The double power cut-out should only be carried out on the motor to be reset.

8.3. Restoring to original settings.

This restoration eliminates all RTS command points, RTS sensors, all limit switch settings and resets the direction of rotation and the favourite position ("My") of the engine. Therefore, the configuration of the advanced functions ("Back impulse") will be maintained.

- 1) Place the screen in the middle position (if possible).
- 2) Disconnect the electrical power source for 2 seconds.
- 3) Re-connect the electrical power source for between 5 and 15 seconds.
- 4) Disconnect the electrical power source for 2 seconds.
- 5) Re-connect the electrical power source: the screen will move for a few seconds.
If the screen is in the upper or lower limit switch position, it will move briefly.
- 6) Keep the PROG button pressed down: the screen makes an initial movement and another a few moments later. The motor has now reverted its the factory configurations.
- Repeat the process detailed in the chapter entitled "Start-up" chapter.



9. *Technical data*

Radio frequency	868-870 MHz io-homecontrol® bidirectional triband
Power source	230 V ~ 50 Hz
Use temperature	−20 °C to +70 °C
Protection index	IP 44
Maximum number of control points and associated sensors	9
Security level	Class I

Anexo III

Disassembly and disposal of the packaging and components of the product at the end of its useful life

Disposal of packaging

Important

The packaging must be recycled by the authorised professional who installed the product.

We advise you to recycle the product packaging responsibly:

- Please dispose of this waste in accordance with the current regulations:
 - Directive 94/62/EC on packaging and packaging waste.
 - Spanish Law 11/1997 of April 24th on packaging and packaging waste.
- Please sort the waste by separating each and every one of the various materials, to facilitate effective disposal of the packaging.
- Do not dispose of packaging materials together with other types of waste. Take them to a packaging materials collection point designated by the local authorities.
- In order to minimise the environmental impact of packaging and packaging waste, it is necessary to define the composition and nature of the packaging of our products to recommend their best disposal.

Paper and cardboard:

In waste management, the recycling of paper and cardboard plays an important role, because up to 70% can be reclaimed. The disposal of paper and cardboard can be done through various channels such as collection by private operators or delivery to waste treatment plants.

Plastic:

The recycling of plastics has many advantages for the environment and therefore benefits the quality of life of everyone, contributing to a greater saving of raw materials as well as natural, energy producing and economic resources. The disposal of plastic can be done by private operators or delivered to waste treatment plants.

Bubble wrap:

This is made of low density poly-ethylene, which makes it 100 % recyclable. For optimal disposal, please deliver any waste comprising this material to plastic waste treatment plants.

Our commitment to the environment

One of **Saxun's** objectives is to maintain socially responsible behaviour. This commitment to the environment implies continuous improvements in the measures that are adopted to combat climate change.

Promoting responsible care of the environment, complying with the legal and regulatory requirements applicable to our products and promoting energy saving in all our projects are measures that are essential for us to achieve our objectives.

Disassembly and removal of the product

Important

The disassembly of the product at the end of its useful life must be carried out by qualified personnel, and in order to carry it out, the reverse steps that were carried out for its assembly must be performed.

When disassembling this product, a number of precautionary measures must be taken. Observe the following warnings and instructions. Please contact your supplier with any queries.

Disassembly may only be carried out by experienced fitters. This manual is not intended for DIY enthusiasts or installers in training.

For more information on these disassembly instructions, please refer to the chapters regarding installation in this manual that contain diagrams and detailed information.

Warning

Always act with care. Use appropriate tools which are in perfect condition.

• **Step 1**

Raise the Wind Screen to its upper limit switch position (if possible).

• **Step 2**

Loosen and remove the screws (if fitted) securing the front guide to the intermediate guide. If there are no screws, unclip the screws and remove the front guide.

• **Step 3**

Loosen and remove the screws securing the intermediate guide to the rear guide.

• **Step 4**

Uncouple the intermediate profile and the rack profile.

• **Step 5**

Loosen and remove the screws that fix the guides to the wall.

• **Step 6**

Uncouple and remove the box guides.

• **Step 7**

Loosen the screws securing the bottom access profile of the box and remove this profile.

• **Step 8**

Loosen and remove the screws that fix the PVC guide entries to the legs of the end caps. Remove the guide entries.

• **Step 9**

Loosen the screws securing the slider stop to the end cap slider. Remove the stops.

• **Step 10**

Remove the fabric shaft assembled with the sliding plates from the box.

• **Step 11**

Loosen the screws securing the terminal caps to the terminal and remove the caps.

• **Step 12**

Remove the platen from the terminal profile.

• **Step 13**

Remove the bubble rubber from the terminal profile.

• **Step 14**

Remove the terminal from the fabric.

• **Step 15**

Unscrew the sliding plates that are attached to the motor and the pivot support.

• **Step 16**

Remove the motor

• **Step 17**

Remove the fabric from the winding tube.

• **Step 18**

Unscrew the screws securing the box profiles to the end caps.

• **Step 19**

Remove the brushes from the box profile and from the lower access profile.

Attention

Make sure that you dispose of all the product's parts according to the nature of the material.

Components	Galvanised Steel	Stainless Steel	Aluminium	WEEE	Plastic	Textile
Profiles			•			
Screws		•				
End caps	•					
End cap plates					•	
Rack and pinion guide profile and rubber foam					•	
Wind Screen guide terminal kit					•	
Axle	•					
Caps	•				•	
Motor		•		•	•	
Motor supports		•	•			
Loading bar caps					•	
Terminal plate	•					
Canvas						•

Our products are mainly made of recyclable materials. It is advisable to be informed about the recycling or disposal systems provided for in the current regulations in your country for this product category.



Important

Always act with care. Please only use suitable tools that are in perfect condition.



This symbol means that the product must not be disposed of together with household waste as it must be collected separately for recovery, reuse or recycling in accordance with local regulations.



In compliance with European Directive 2012/19/EU, waste electrical and electronic equipment (WEEE) can become a serious environmental problem if not managed properly. The Directive provides the general framework valid throughout the European Union for the disposal and re-use of waste electrical and electronic equipment.

At the end of the service life of the electrical or electronic equipment, it must not be thrown away together with other types of waste. They can be delivered to the specific centres regulated for this purpose by the local authorities.

The effective separation of waste will avoid negative consequences for the environment and health that could result from poor waste management or inadequate waste disposal.



Important

By complying with this directive, you will be acting in favour of the environment and will contribute to the conservation of natural resources and the protection of health.

Local regulations may impose significant penalties for illegal disposal of the product.

The materials that our products are made of offer a great variety of environmental advantages



Galvanised steel

Galvanised steel is a type of steel which undergoes a certain treatment, at the end of which it is coated with several layers of zinc which protect it, avoiding oxidation. The recycling of zinc helps reduce demand for new materials and as a result generates considerable energy savings, being a metal that constitutes a very valuable and sustainable resource.

For proper recycling of galvanised steel, it is advisable to visit a metal waste collection centre.



Stainless steel

Stainless steel is an iron alloy containing nickel and chromium to protect against corrosion and rust. Its qualities include resistance to high temperatures and being a particularly strong material. Stainless steel is an infinitely recyclable "green material". Its properties make it ideal for exposure to poor weather conditions.

Therefore, to ensure proper disposal of stainless steel, it is recommended that this material be left at a specialised waste collection centre.



Aluminium

Aluminium recycling guarantees an endless variety of environmental benefits. The use of recycle aluminium saves 95% of the energy used in its production in its raw state, and it can be recycled as many times as desired and is fully recoverable. Therefore, the recycling of aluminium is both technically and economically profitable.

Therefore, to ensure proper disposal of aluminium, it is recommended that this material be left at a specialised waste collection centre..



Cables

The recycling of electrical cables prevents the contamination that can come from these elements. Its re-cycling allows for the subsequent use of the copper, aluminium and brass from the cables, once they are separated from their plastic insulation.

Electrical and electronic waste must be taken to clean points for proper recycling



PET



HDPE



PVC



LDPE



PP



PS



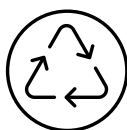
Other

Plastic

Plastic recycling provides a sustainable source of raw material for the industry. Its reuse also significantly reduces environmental problems, as it is a non-biodegradable material.

Recycling reduces energy consumption and CO₂ emissions, thus mitigating pollution and climate change.

There are several types of plastic, so to achieve optimal recycling it is essential to deposit them in clean points where the separation of the different types and their identification will take place.



Textiles

The use of textile waste is essential when we talk about recycling. Reuse of such waste helps to reduce the consumption of water and the gases that are released in the manufacturing process.

In order to encourage the proper disposal of textiles, it is recommended that they be left at a specialised waste centre where the different textile fibres will be separated.

! Important

Follow the recommendations for effective product recycling. Remember that recycling is more than an action; it is the value of accepting responsibility

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