
Installation Instructions

Ultimate Screen

REMARKS.

This manual simply describes the rules governing use and installing of the Ultimate Screen Blind.

For different versions we would refer you to your supplier.

If there is something in this manual that you do not understand or if you have doubts about any reading or interpretation thereof, please contact your supplier before using or installing the blind.

In addition to the information on the operation and assembly, this manual also contains important instructions on maintenance and cleaning.

The installing, technical maintenance, correcting failures and any repairs or modifications to the external roller blind must only be carried out by competent personnel.

 This manual belongs beside the external roller blind and must be carefully looked after. If the external roller blind is sold the manual must be handed over to the new owner.

The owner or holder of the external roller blind must refer users (if third parties) to the manual, and also instruct these third parties to use the external roller blind in accordance with the manual.

For more information you can contact the supplier.

LIABILITY.

THE SUPPLIER'S GENERAL CONDITIONS SHALL GOVERN THE RELATIONSHIP BETWEEN THE SUPPLIER AND THE PURCHASER. THESE CONDITIONS RECOGNISE A LIMIT TO LIABILITY AND EXCLUDE CONSEQUENTIAL LOSS. THE SUPPLIER SHALL, ON THE BASIS OF THE GENERAL CONDITIONS, NOT BE RESPONSIBLE FOR DAMAGE AS A RESULT OF NOT COMPLYING WITH THIS MANUAL, WITH THE EXCEPTION OF INTENTION OR GROSS NEGLIGENCE ON THE PART OF THE SUPPLIER.

Carefully read this manual before using or installing your external roller blind. Follow the contents of it and keep this manual for reference!

EXPLANATION OF SYMBOLS.

You will find safety notices at the necessary places in this manual. These notices are marked with a symbol and/or with a specific text. Read the relevant notice carefully!

 Danger / Warning!

 Sequence of action.

 Important information.

SAFETY INSTRUCTION.

Important safety instruction! Warning; it is important for the safety of persons that these instructions be followed! These instructions must absolutely be kept!

 Do not allow children to play with the external roller blind. Keep children away from the (remote) operation and the product.

 Check your external roller blind regularly for visible damage. If there is any damage to the external roller blind, do not use it anymore and contact your supplier.

 Do not try under any circumstances to carry out repair work and/or modifications to the external roller blind yourself.

APPROPRIATE USE.

Your external roller blind moves in an up- or downward movement and is mounted in front of windows or doors to provide:

- Sun protection
- Light control
- Visibility control

 Watch out for strong winds and cold weather conditions. Your external roller blind cannot be used in strong winds (≥ 16.9 m/s) or if frozen.

 Make sure that the external roller blind is pulled in, in time, before the wind speed gets too high. Even in the case of fully automated control, you must pay attention to this.

 It is recommended that you use external control that includes both a wind- and frost module. With controls without a frost module, you must switch off the control in the winter period.

 The external roller blind must be used exclusively as sun protection, light control and visibility control. This product is not designed to serve as a lifting- or lever device.

USE

OPERATION.

During the operation the external roller blind can be moved up or down.

 Bring the canvas fully up or down to prevent damage.

 Check for yourself, prior to use, that the canvas of the external roller blind is not frozen.

 **Make sure that there are no persons or obstacles in the radius of action of the blind. If you cannot see this during the operation, then you must take steps to prevent accidents.**

OPERATION WITH ELECTRIC MOTOR.

- Electric motor provided with switch.

The switch is used to both raise and lower the external roller blind.

 The motors are designed for short use and fitted with a thermal cut-out that temporarily switch off the motor when there is overheating or overloading. After a cooling period of around 15 minutes the motor can be used again.

- Electric motor connected to an automatic control.

This means that the control is not carried out through a switch, but through an automatic control with priority. Depending on the situation operation may be available through an individual switch.

 Consult the manual of the automatic control!

CLEANING

 When cleaning windows, gable or external roller blind, the power supply must be isolated.

 Do not hold on tight to the external roller blind or accompanying parts.

Clean the product a minimum of once a year, however in seaside or industrial areas, a minimum of twice a year.

→ Lower the external roller blind.

→ Use sponge, clammy and clean water.

→ Rinse with sufficient clean water.

→ Let the canvas dry, before rolling it up

 When there is very bad soiling, we advise you to make contact with your supplier.

 Never use:

- a high pressure cleaner

- alkali-based or aggressive solutions

- steel wool, hard brushes or abrasives

FAULTS AND MAINTENANCE.

Contact your supplier if there are faults and/or on maintenance. Faults and maintenance must always be solved out by competent personnel.

 If during use you see smoldering or smoke appear, switch the external roller blind off immediately. Then contact your supplier.

INSTALLING.

- Delivery.

The product is delivered complete, as per the order.

Check the delivery with the packing list. If parts are missing or damaged, you should contact your supplier.

  After installing the external roller blind this manual must be given to the owner and/or the user.

- Transport.

 Depending on the weight of the product, we recommend having the transport and the installing of the product done by a minimum of 2 people.

- Packaging.

The external roller blind is delivered packaged.

 Make sure when removing the packaging that the external roller blind is not damaged.

Dispose the packaging material in accordance with local regulations.

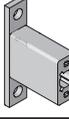
- Installing instructions.

When installing comply with the local legislation covering this.

Below are the exploded view and the fasteners list. These are the starting point of the whole instructions; make sure you go through these thoroughly!

- Fasteners.

Use the fasteners prescribed in the table on the base mentioned as follows;

		Alu/alu/alu	Wood/Bois/Holz	Concrete/beton/beton
Safety Bracket		DIN 7981 4,2 x 19	DIN 7996 4,0 x 30	DIN 7981 4,2 x 32 S6
Side Channel		DIN 7981 4,2 x 19	DIN 7996 4,0 x 30	DIN 7981 4,2 x 38 S6
Distance Bracket		DIN 7976 6,3 x 25 DIN 9021 ø6,4	DIN 571 6,0 x 40 DIN 9021 ø6,4	DIN 571 6,0 x 60 DIN 9021 ø6,4

 Check against the above mentioned table if the fasteners supplied are suitable for the fixing ground.

 Check if the fixing ground is suitable for fastening the product supplied.

MAINTENANCE

These products have been designed to be used externally and maintenance consists of checking and cleaning with periodicity the product. The mechanism and motor do not need to be lubricated nor is any other maintenance necessary.

FABRIC:

- Periodicity: once per year or immediately after exceptional atmospheric conditions or accidental conditions
- Check missing of tear and or cut.
- Clean with vacuum air or air under pressure.
- Clean with a sponge or soft brush dipped in water and soap. Do not use solvent or abrasive substance which could damage the fabric. Do not scrub.
- Rinse with clear water.
- In case of indelible spot(s), call your installer
- Allow to dry completely fabric deployed.
- In case of tear or cut call immediately your installer who will decide what to do.

CARE & MAINTENANCE OF COATED MATERIAL (BOX, BOTTOM BAR AND SIDE CHANNELS)

- Check if there is no broken or cracked part including end plugs of bottom bar and side channels.
- Clean side channels with vacuum air or air under pressure to remove any accumulations of deposits (dust, dead leaves...) which may affect the proper functioning.
- To ensure the decorative and protective properties of your coated material are maintained, it is recommended that a regular cleaning program is undertaken.

The frequency of such cleaning will depend on many factors including:

- The geographical location of the building
- The environment surrounding the building, i.e., marine, swimming pool, industrial, or a combination of these environments etc.
- Levels of atmospheric pollution
- Prevailing wind
- Protection of the building by other buildings
- Possibility of airborne debris (e.g. sand/dust etc.) causing erosive wear of the coating.
- If the environmental circumstances change during the lifetime of the building (e.g. rural becomes industrial)

In hazardous environments the normal frequency of cleaning should be at a maximum of three monthly intervals. However where there is high atmospheric pollution or an extremely hazardous atmosphere (i.e., a combination of factors above or others) the period between cleaning should be reduced.

Where the atmosphere is deemed to be non hazardous, e.g., rural or a "normal" urban environments, then the period between cleaning can be extended up to a maximum of 12 months. However, if heavy soiling occurs more regular cleaning is required.

- **Normal Environment:**
Clean and check every 12 months
- **Marine Environment:**
Clean and check every 3 months
- **Industrial Environment**
Clean and check every 3 months
- **Marine & Industrial Environment**
Clean and check every 3 months
- **Swimming & Leisure Pools**
Clean and check every 3 months

The best method of care is by regular washing of the coated surface using a solution of warm water and a mild detergent, washed with a soft cloth or sponge. Rinse thoroughly with water to remove residue.

In no circumstances should abrasive cleaners containing ketones, ethers or alcohols, or harsh materials such as steel wool, be used. For stubborn stains use mineral turps or methylated spirits on a soft cloth. Coated surfaces can be cleaned at the same time as glazing for convenience.

- Check the functioning.
- In case of any defects call immediately your installer who will decide what to do.

1. NEEDED TOOLING



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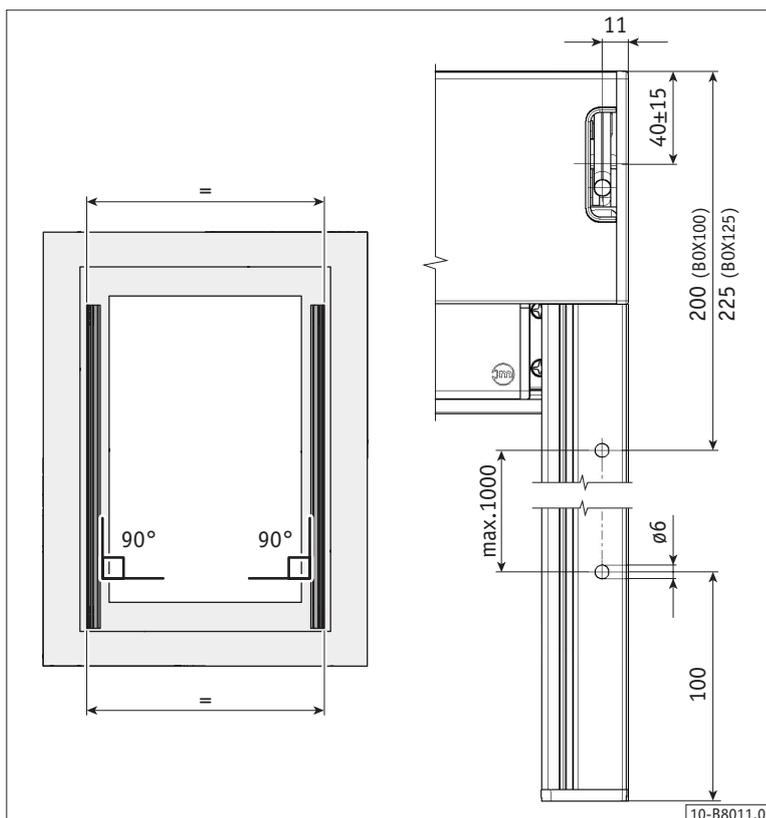
2. SIDE CHANNELS FIXATION

- Use the existing holes* in the channels to mark the hole on face or recess and drill to 6 mm diameter. The first hole is 100 mm from the top of the side guiding under the box.

See page 5 for information on screws.

- Fix the channels and check the verticality and the parallelism of the 2 side channel profiles.

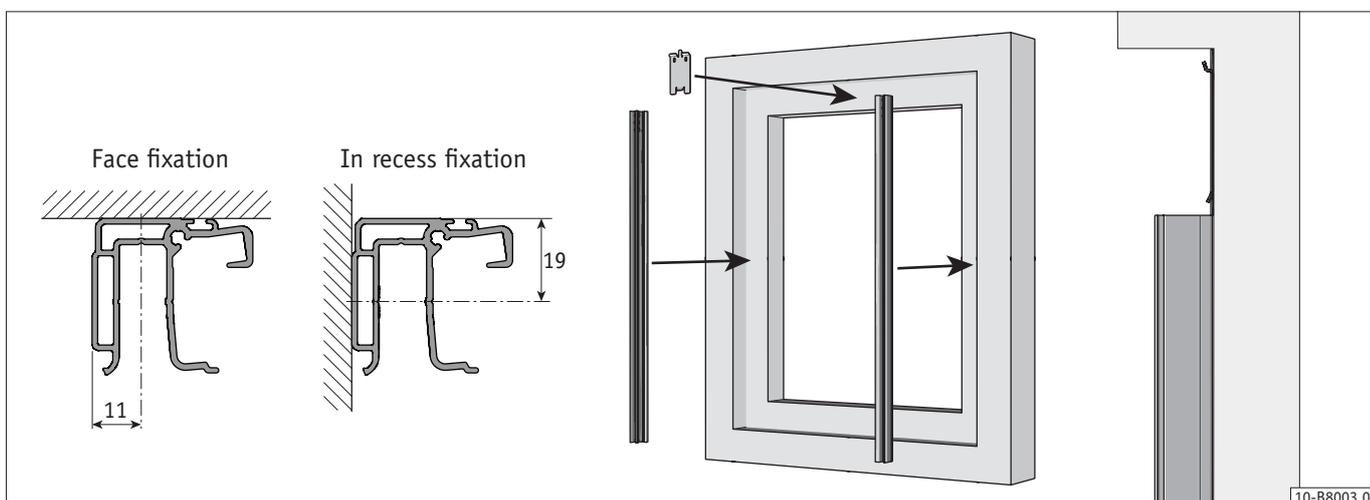
* Standard holes are done 100 mm from each end.
Maximum distance between 2 holes; 1000 mm.



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Products 3m wide and over; 2a. Safety bracket fixation

- Attach the safety bracket to the window sill on face or recess. Bottom of the safety bracket on the same height as the top of the side guiding profiles.

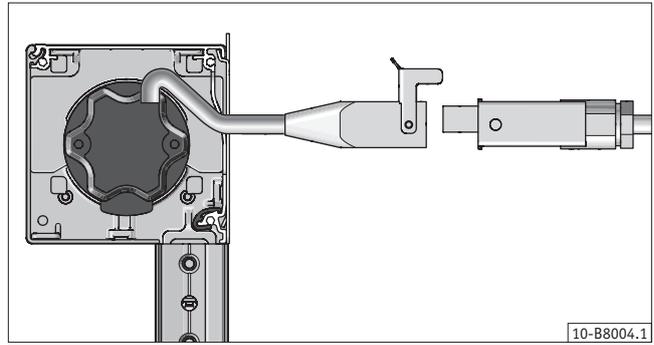


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3. DRILL THE HOLE FOR THE CABLE EXIT *OR* CONNECT TO HIRSCHMANN STAK PLUG

 The axis is situated 11 mm from the extremity of the box and 40 mm from the top of the box.

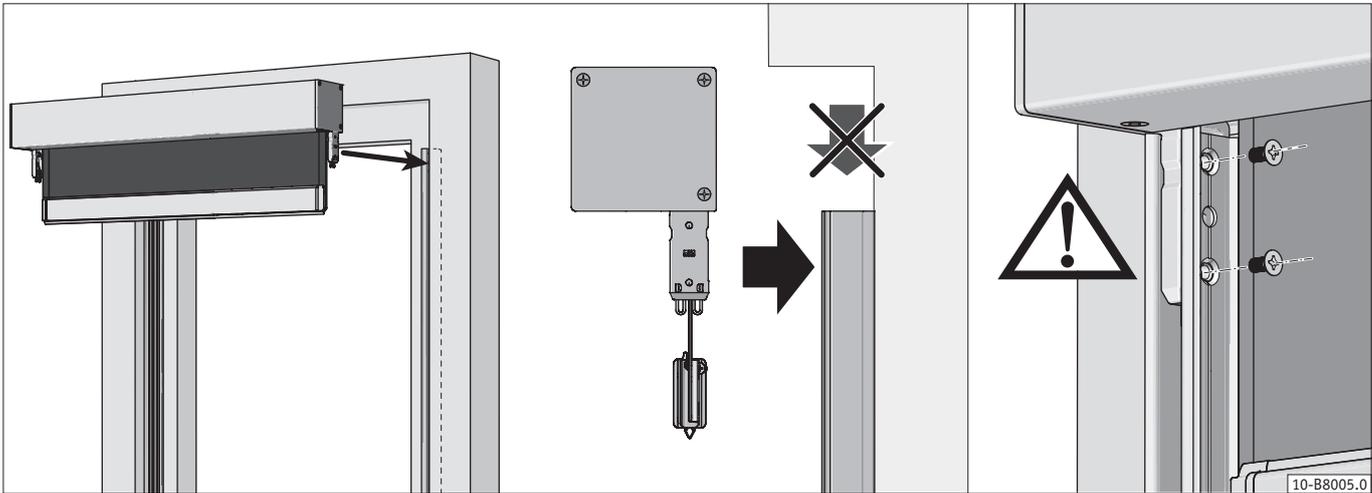
- Maintain the loop inside the box to prevent water to go into the motor.
- The cable exit can move +/- 15 mm on the height.



Without safety bracket

4. PUT THE BOX ON THE SIDE CHANNELS ON FACE

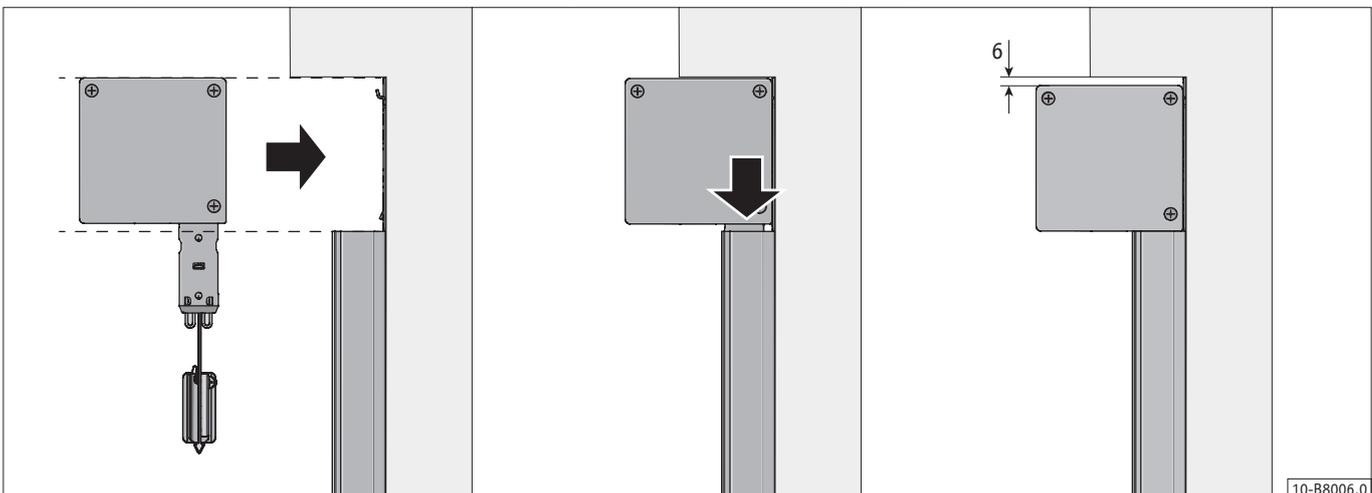
- Start by putting the wire through the hole.
- Slide the extremity of the end plates in the side guiding profiles up to a click as a provisional installation.
- Then, put the 4 x M5x12 screws to definitively fix the box to the side guiding.



With safety bracket

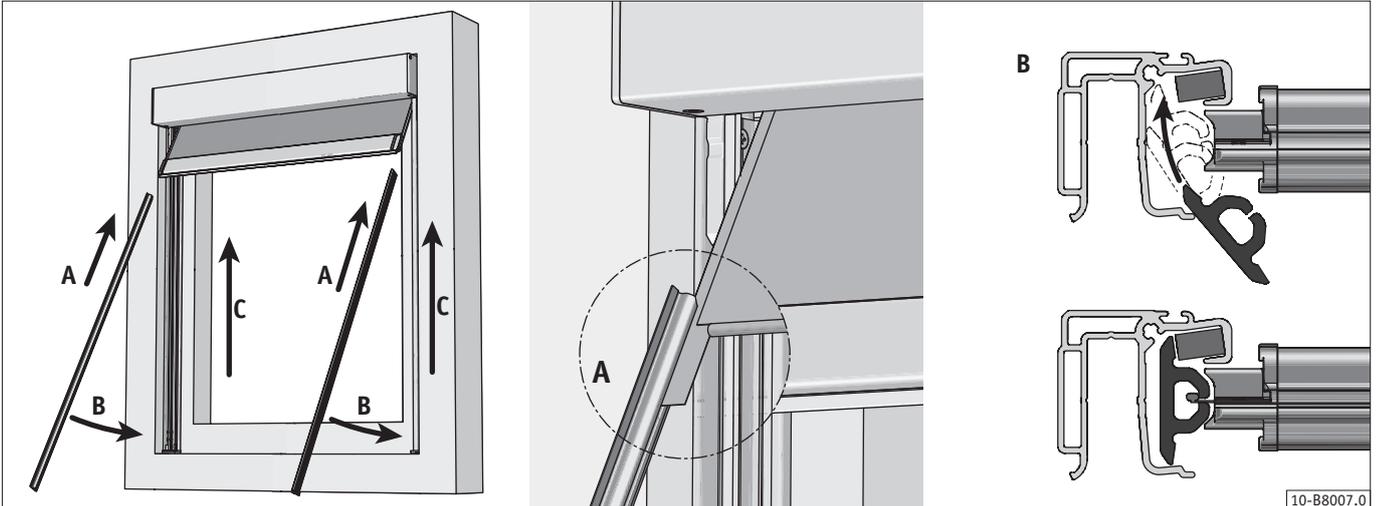
4. PUT THE BOX ON THE SIDE CHANNELS ON FACE, APROXIMATELY 6MM TOO HIGH

- Start by putting the wire through the hole.
- Slide the end of the extremity of the end plates in the side guiding profiles and over the safety bracket. Push down until you hear a click in the side guiding profiles.
- Then, put the 4 x M5x12 screws to definitively fix the box to the side guiding.



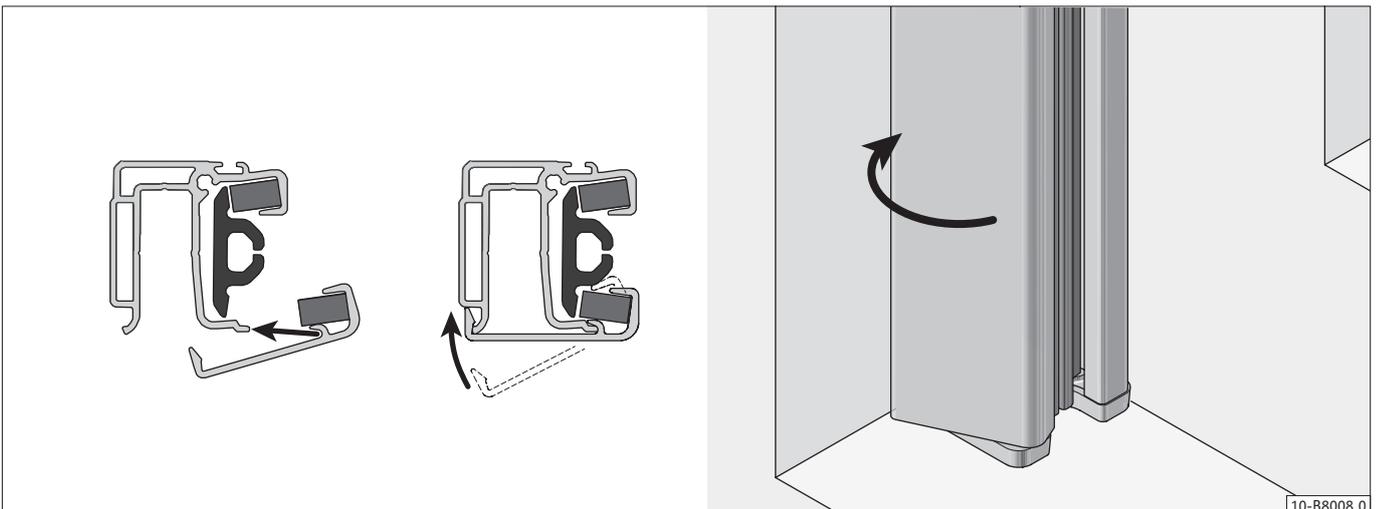
5. PUT THE SIDE CHANNEL INSERTS IN PLACE

- ⚠ The top of the plastic profiles is distinguished by the notch.
- Take the bottom bar with one hand and slide the side channel insert on the zipper (right and left) (A).
- Tilt the side channel insert according the following drawings (B).
- Slide plastic profile and push it all in the channel guide (the bottom part of the side channel insert remains on the bottom stop of the side channel)(C).



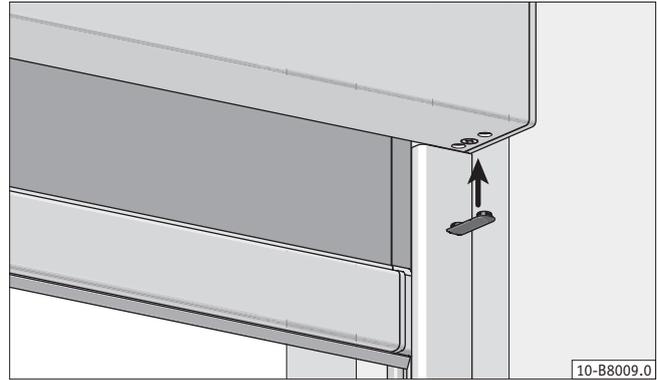
6. CLOSE SIDE GUIDING CHANNEL

- Put the profile on the bottom stop of the side channel and hook it on the side channel according to the drawings below. Click into place.
- 👉 Always start at the bottom.
The cover profile is 1 mm shorter than the side channel for maintenance purposes.



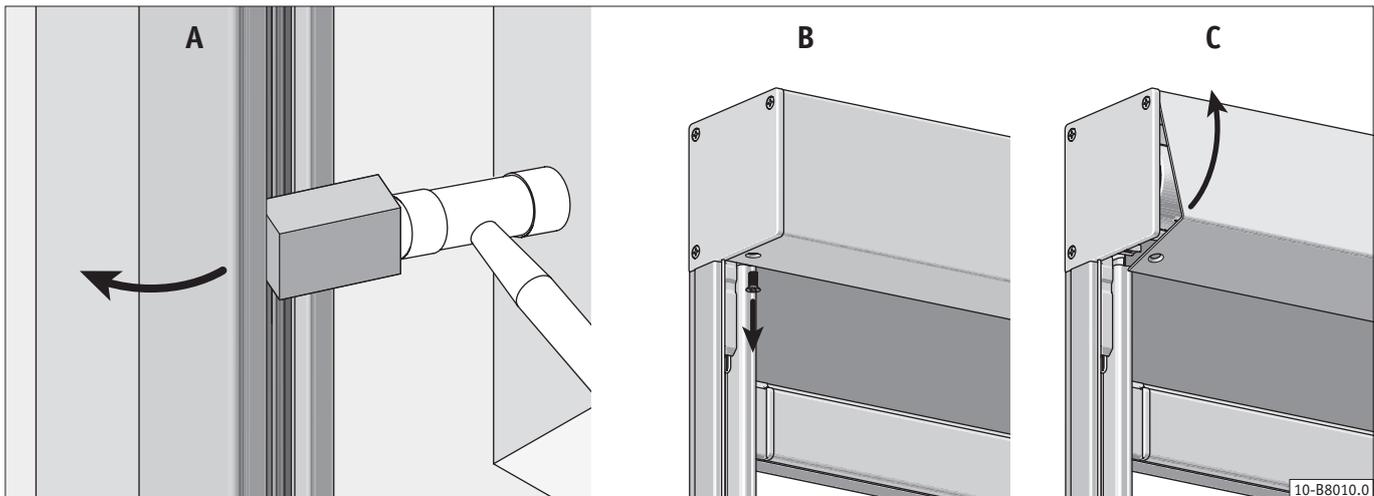
7. LINK THE MOTOR AND ADJUST THE MOTOR END STOPS

- Link the motor to the switch and power by following the specific instructions.
- Adjust the end stops through the 2 holes in the front profile.
- Cover the holes with the supplied part.



MAINTENANCE

- Remove the cover side channel and side channel insert profiles
 - ◇ Begin to roll up the blind to be sure the bottom bar is not at the bottom place.
 - ◇ Vigorously push the cover side profile outside by following the arrow as shown in the figure (A). If necessary, use a piece of wood and a hammer to give more pressure (be careful to not damage the cover side channel).
- Remove the 2 screws under box profile (B) and remove the box profile (C). In case of unroll direction the 2 screws are in front of the box profile.



- To remove the tube and the fabric push the clip (on the bearing side) backwards and pull the tube firmly to the front.