

Sky-Frame Fly

Installation instructions Insect screen, extensible

Insect screen

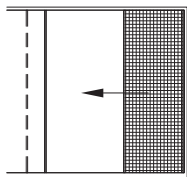
Installation of an extensible insect screen in a Sky-Frame system.



Sky-Frame AG

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CH-8500 Frauenfeld
Switzerland

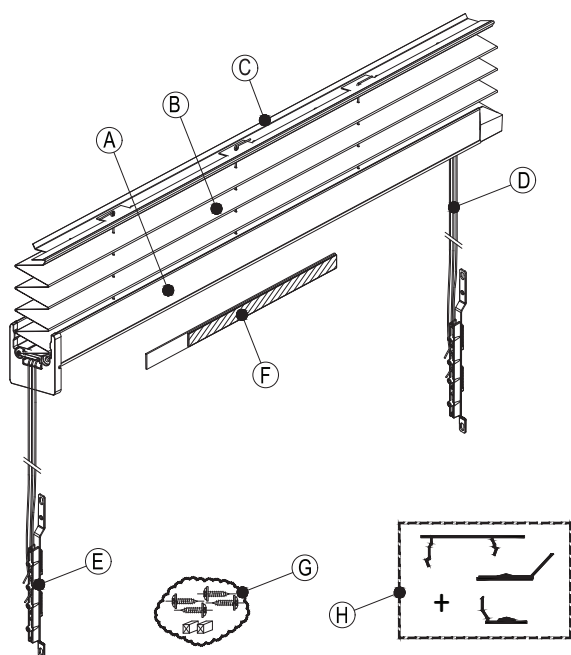
Phone: +41 52 724 94 94
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Internet: www.sky-frame.com



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Scope of delivery



The package contains the following components:

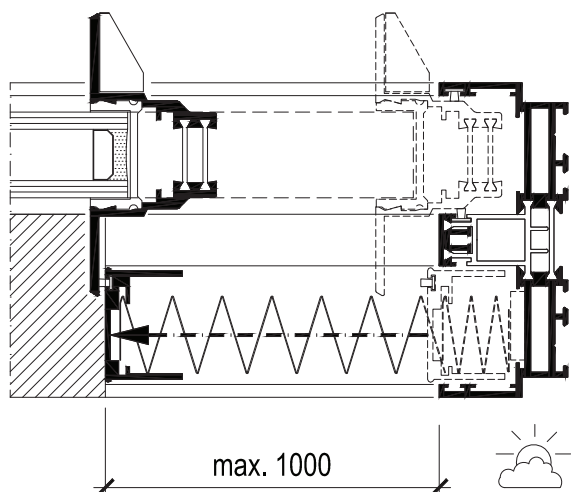
- [A] - Aluminium profile
- [B] - Fabric
- [C] - Cord holder
- [D] - Cords
- [E] - Cord tensioner «combi»
- [F] - Auxiliary guide (only if installed in outer track)
- [G] - Fixing screws + rubber buffer
- [H] - Additional material for retrofitting
(track for beneath insect screen, new cover strips)

The insect screen and the number of cords and cord tensioners have already been configured for the relevant frame height in the factory.

IMPORTANT:

Do not sever cords during unpacking!
Leave cord tensioners in the bags for the time being.

Installation side



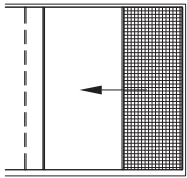
2 types are available:

LEFT HAND + RIGHT HAND

In systems with multiple insect screens, this needs to be taken into consideration right from the start.

Illustration = LEFT HAND type

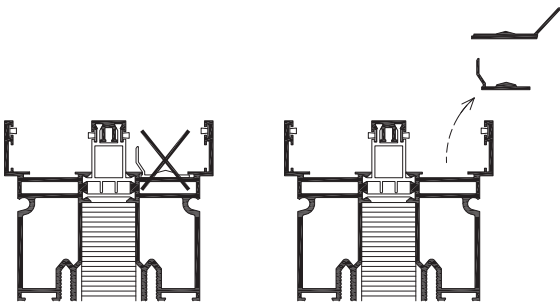
(Pull insect screen LEFT to open,
always as viewed from the outside)



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Removing tracks

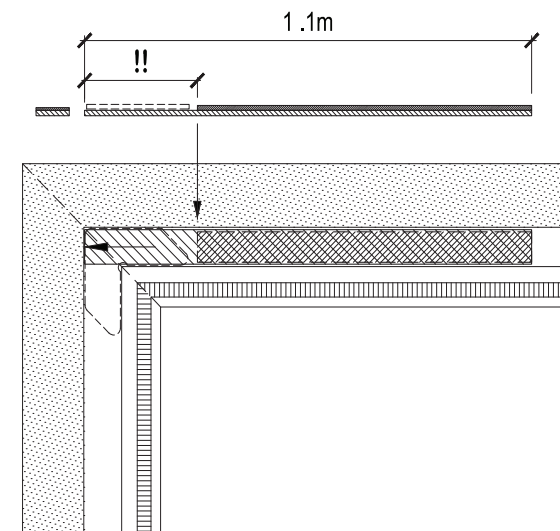


The tracks should not be inserted until the insect screen has been installed.

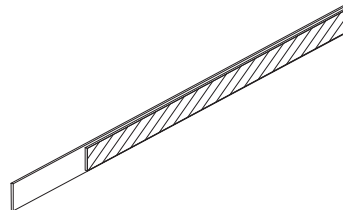
IMPORTANT:

If the tracks have already been installed, it is extremely difficult to install the cord tensioners later. The tracks should therefore be removed.

Installing auxiliary guide



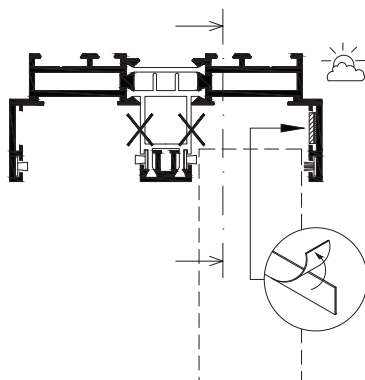
The auxiliary guide strip must **ONLY** be inserted if the insect screen is on the outer or inner track.

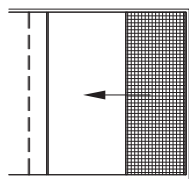


The protective film is removed from the double-sided adhesive tape and the auxiliary guide is affixed in the relevant corner of the frame.

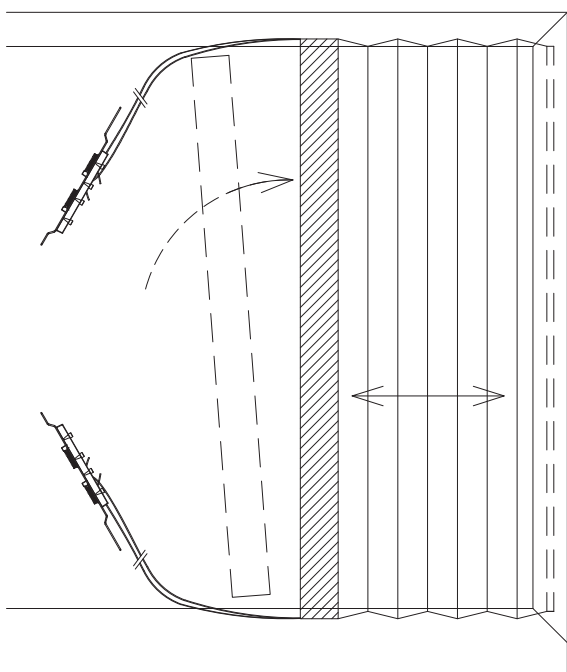
Please note:

- First clean the frame chamber and rub it dry
- Insert into the frame chamber above the brush
- The exposed adhesive tape area must be in the vicinity of the frame corner plate connector
- Guide into the frame chamber as far as it will go
- Press on firmly





Inserting the packet



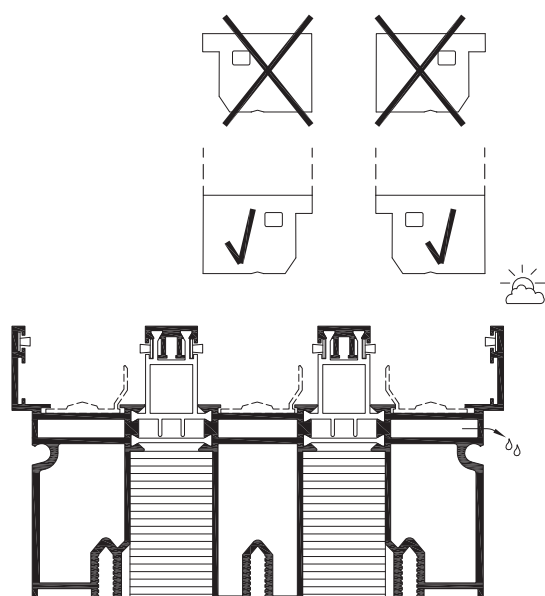
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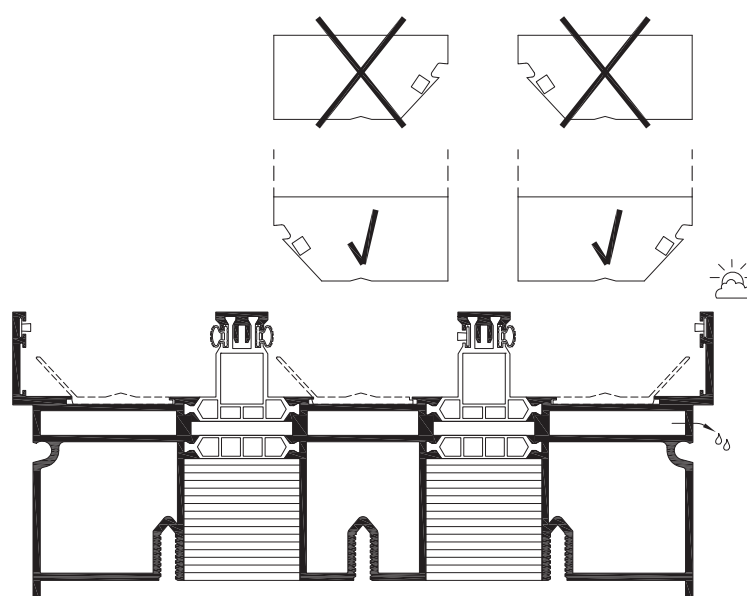
The insect screen packet is now opened slightly and placed in the provided track in the frame as shown. The packet should stand on its own.

The number of cords varies depending on the system height (two at top and two at bottom in the example).

Sky-Frame 1+2:

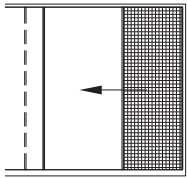


Sky-Frame 3:



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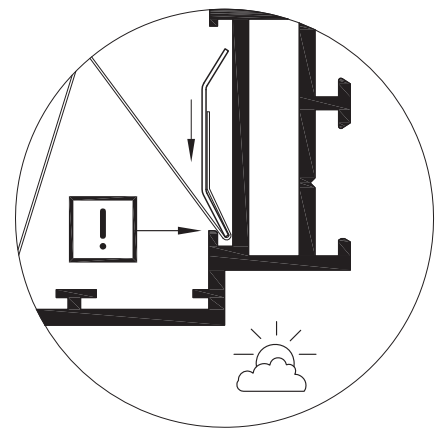
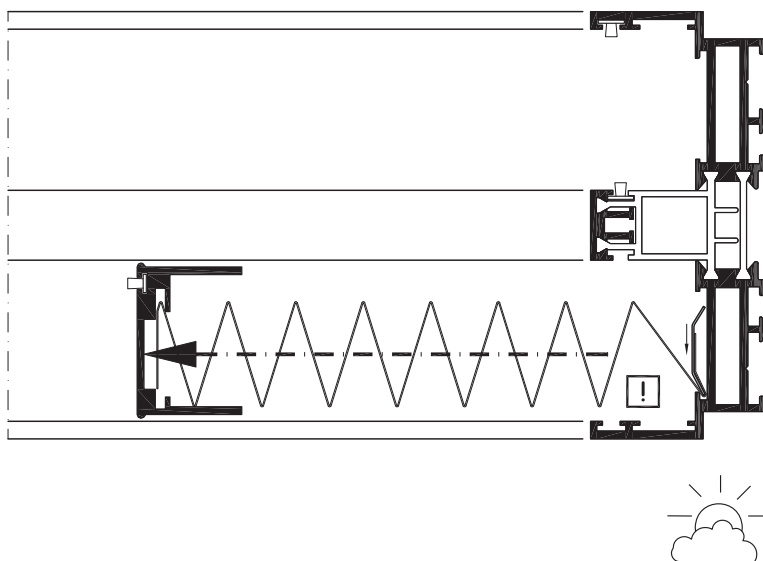
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Securing the cord holder 1

The cord holder (bent chrome steel sheet) is pushed into the groove of the chamber profile.

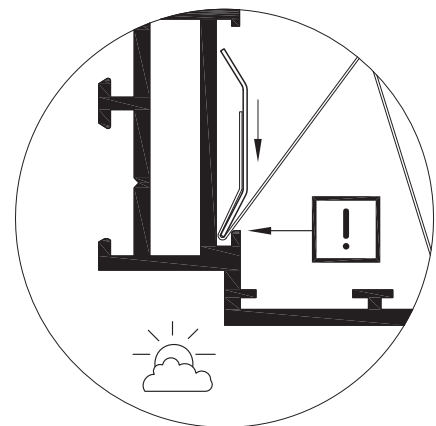
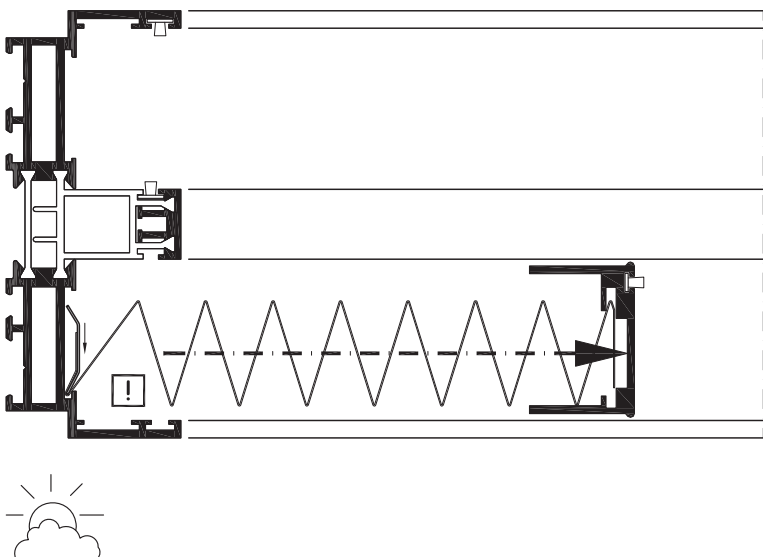
LEFT HAND type:

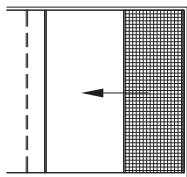


IMPORTANT:

The fabric fastened to the cord holder must be lying flush against the edge of the groove.

RIGHT HAND type:

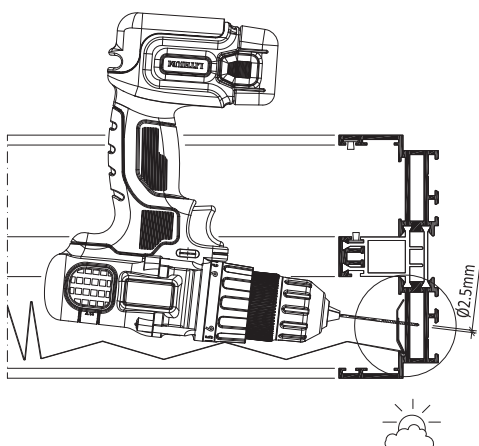




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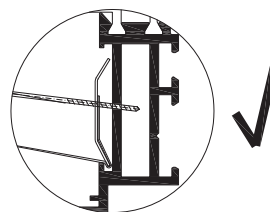
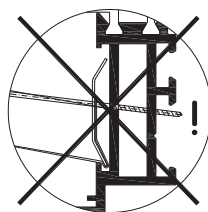
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Securing the cord holder 2



In order to secure the cord holder, the fabric must first be stretched.

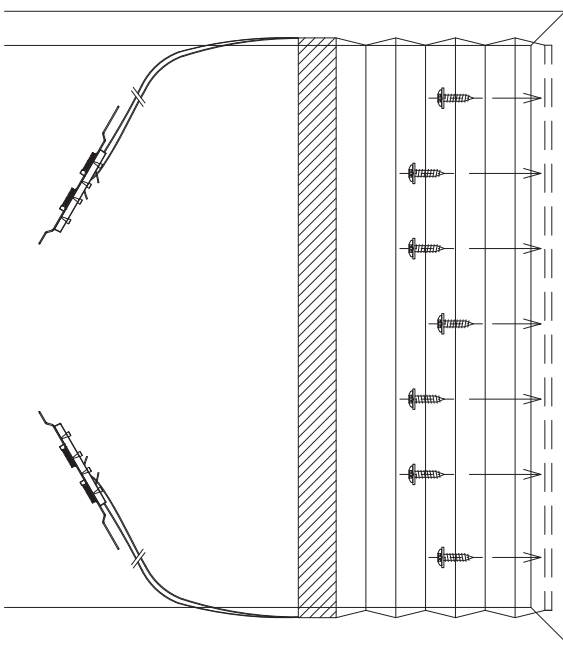
Then pre-drill all holes (drill bit $d=2.5\text{mm}$).



IMPORTANT:

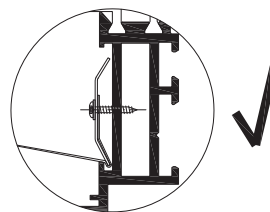
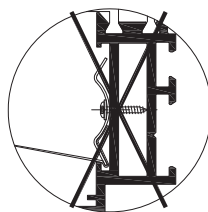
Only drill through the first wall!

Securing the cord holder 3



Now, carefully tighten the provided sheet metal screws until the cord holder closes.

The fabric must be clamped over the entire height.

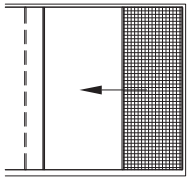


IMPORTANT:

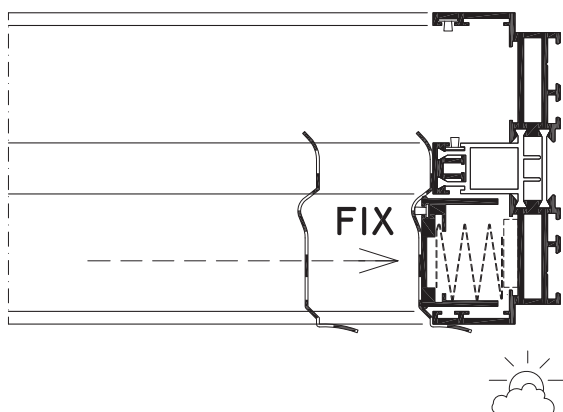
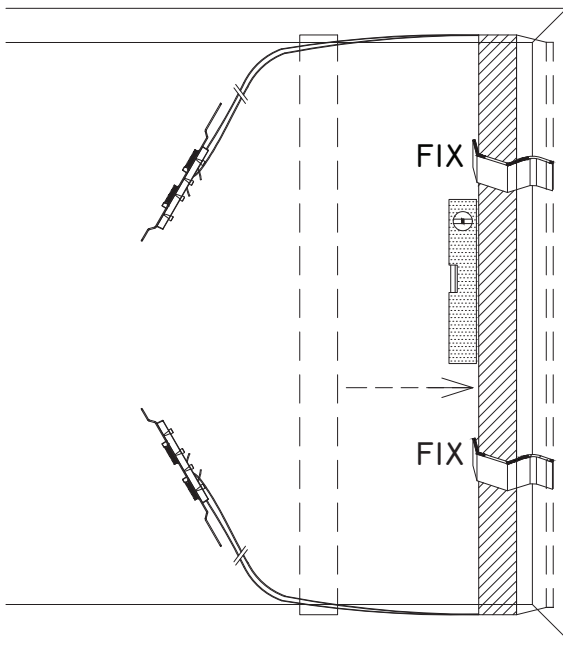
Do not flatten the metal of the cord holder!

NOTE:

Remove drilling debris from track (vacuum cleaner).



Insertion and alignment



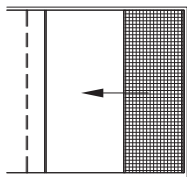
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Close the insect screen all the way, secure to the frame at the bottom with adhesive tape and align vertically (parallel to frame profile). Then secure at top with adhesive tape.

IMPORTANT:

It is essential for the insect screen to be in a vertical position before the cords are tightened.



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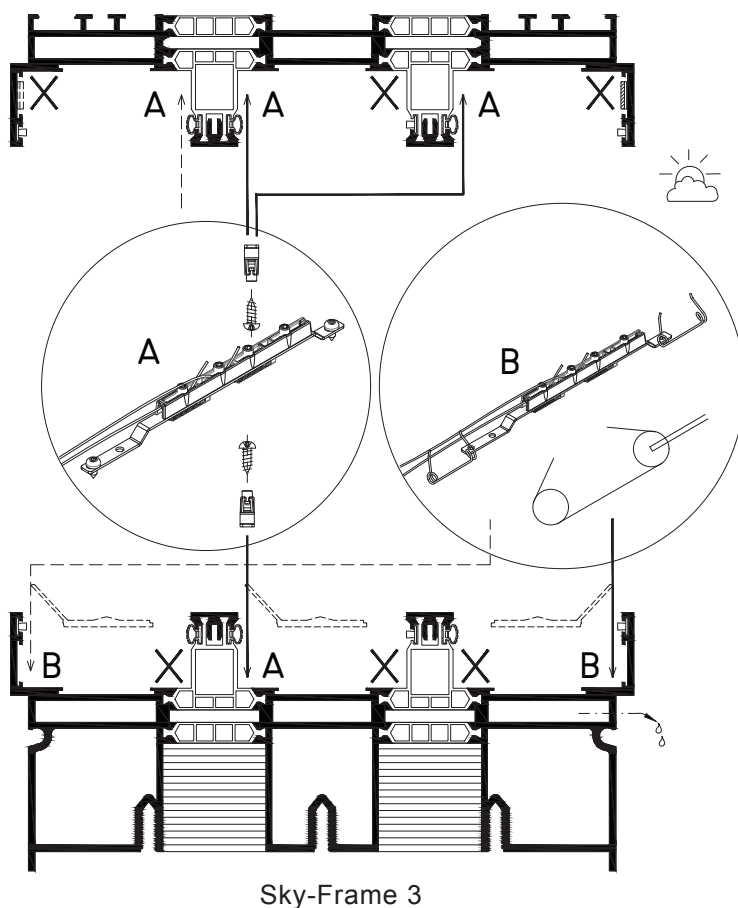
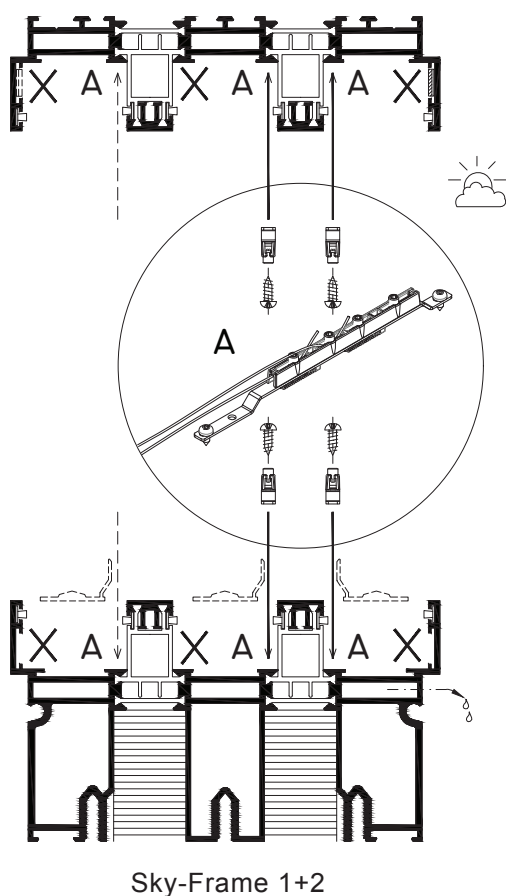
Cord tensioner types

There are two types of cord tensioner, which vary depending on the Sky-Frame system and the position.

By default the combined tensioner (type A) is used for tightening the cords.

The cord tensioners are generally behind the running rail tabs (see arrows).

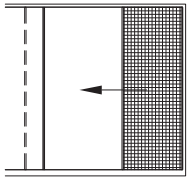
Type A: cord tensioner «combi»



Type B: cord tensioner «wire»



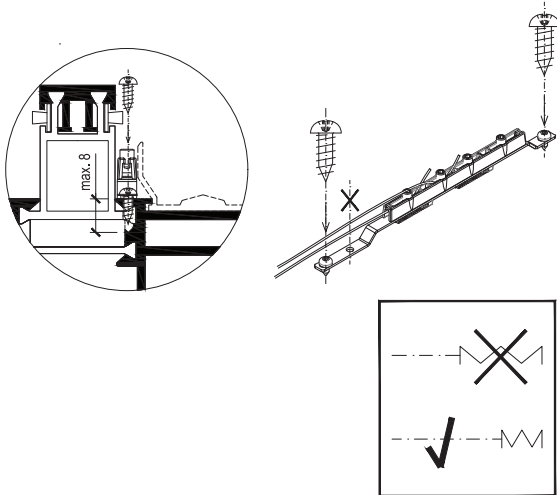
The special cord tensioner «wire» is only required on the situation "Sky-Frame 3 with insect screens on the outer or inner track".



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Cord tensioner Type A



The holes for fastening the combined tensioner (type A) have been pre-drilled at the factory.

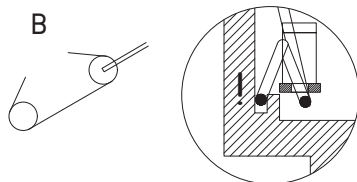
The combined tensioner must only be screwed into the frame profile with the screws.

The screws should be tightened only slightly.

IMPORTANT:
THE SPRING MUST ONLY BE TENSIONED SLIGHTLY!

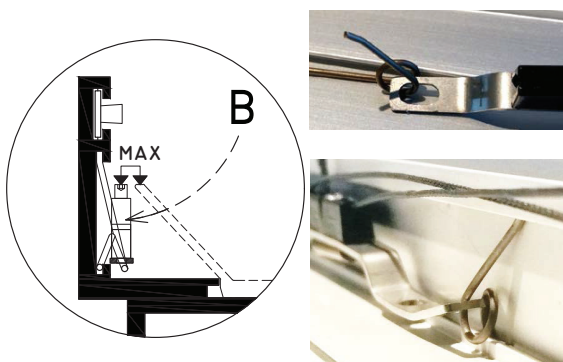
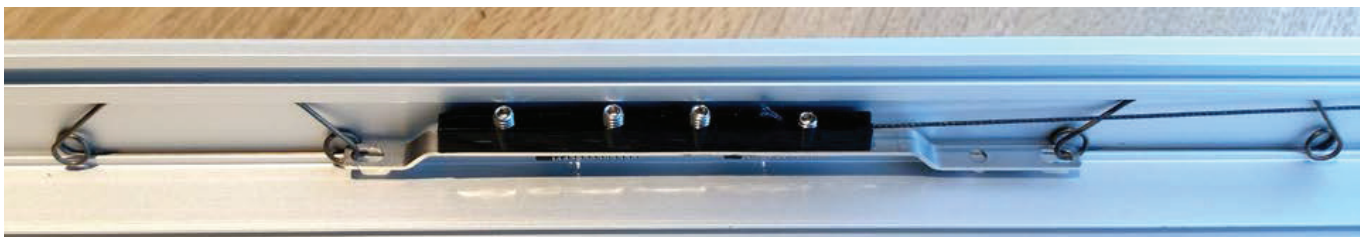
If the cord is too tight, the insect screen will be difficult to move. The cords should therefore only be tightened slightly.

Cord tensioner Type B



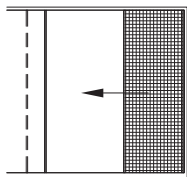
The cord tensioner is clipped into the C track of the outer profile flange.

Half of the wire wrapping and the spring strut (legs upwards) must both be hooked in.



If the wire holders are loose, the wire has to be attached only to the first turn on the cord tensioner «wire».

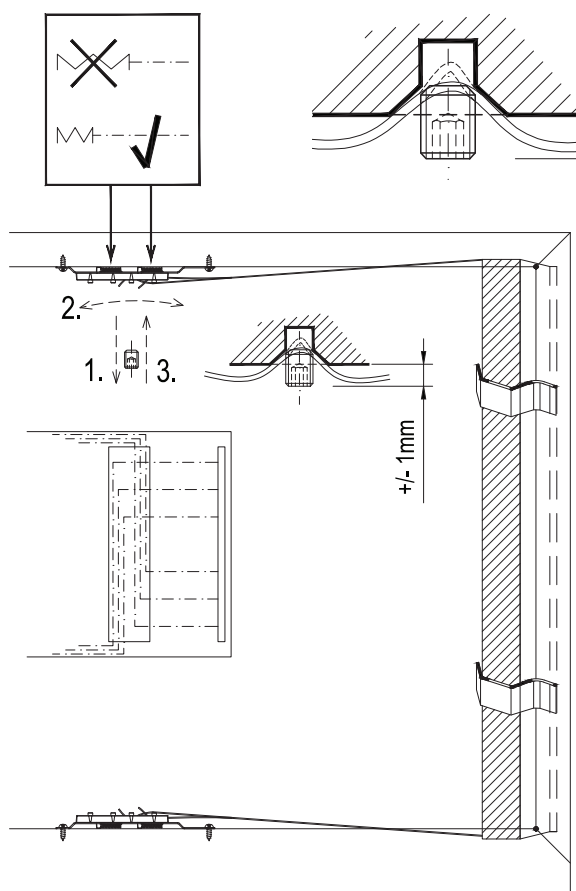
IMPORTANT:
The cord tensioner may not stand out of the running rail (MAX). By bending the combined tensioner feet upward he can be positioned lower.



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Tightening the cords



The cords were already biased at the factory correctly.

If necessary, the cords can be set individually by slightly loosening [1.] one of the set screws (+/- 1mm) .

Do not totally unscrew the set screw!

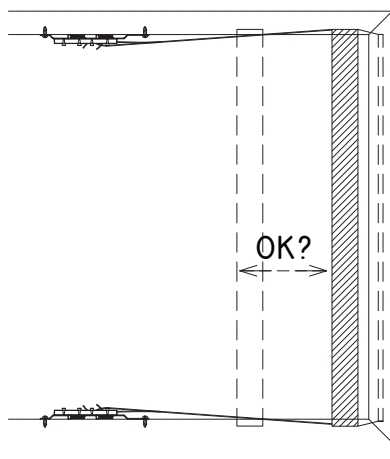
The aim is that the cords taut [2.] are not too tight and not too little tight (slack). The springs in the combined tensioner may not be anxious to achieve ideal running characteristics.

Then tighten the set screw slightly [3].

NOTE:

The lower cords lead to the upper attachment in the handle profile, and the upper cords lead to the lower attachment. This ensures that the insect screen fabric is extended smoothly (see cord diagram).

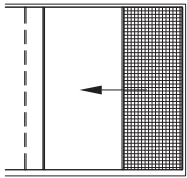
Checking the running characteristics



The running characteristics must be checked.

To do this, remove the affixed adhesive tape and extend the insect screen by 100 - 200 mm.

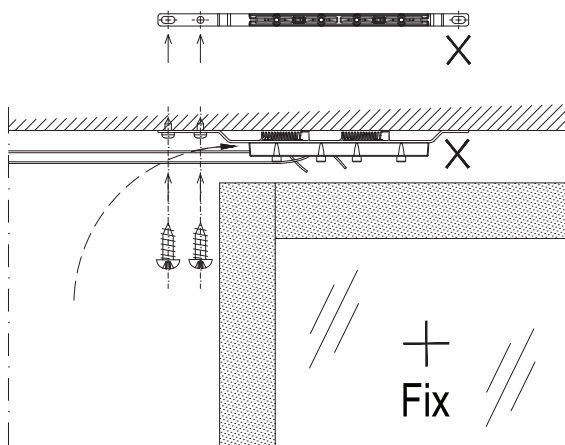
- difficult to move:
Cords are too tight.
- too much play:
Cords are not tight enough.
- profile is at an angle:
Increase or decrease tension of one of the two cords (see cord diagram).



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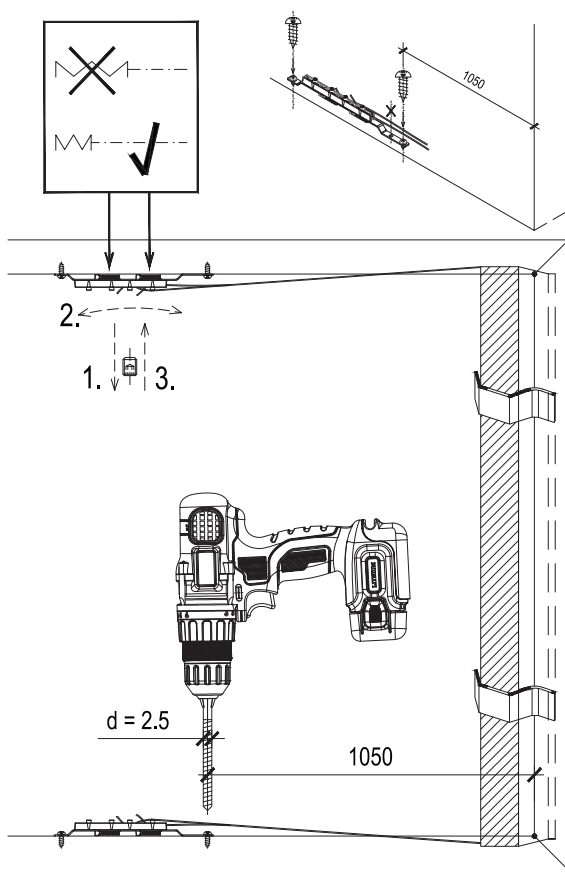
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Combined tensioner at fixed elements



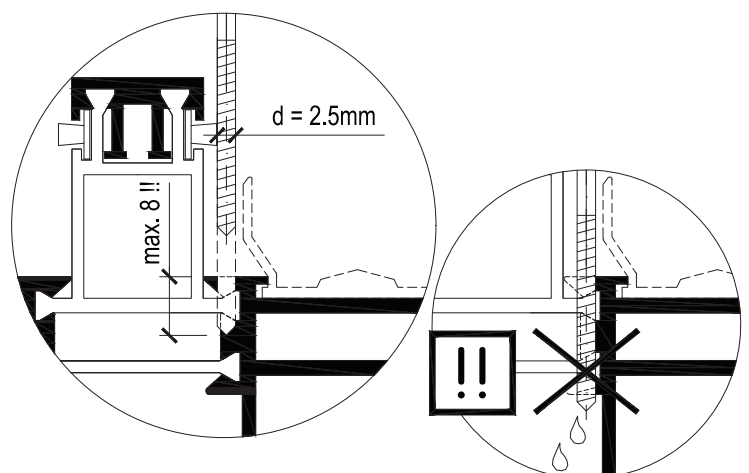
In situations where the combined tensioner has to be placed above and below a non-movable fixed element (eg. all-glass corners, or when retrofitting existing systems), this can be done via the double screw on one side only.

Retrofitting



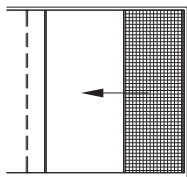
For retrofitting in existing systems, the holes for the combined tensioner must be drilled according to the diagram.

When retrofitting, a 1 m long section of track (secure to prevent movement) and new matching covers have to be supplied - depending on the situation.



TIP:

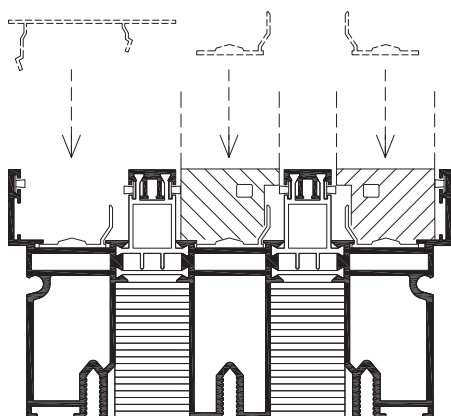
Where there was previously a size 2 cover, for example, a size 1 cover is now required (2x horizontal covers and 1x vertical cover).



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Inserting track + covers

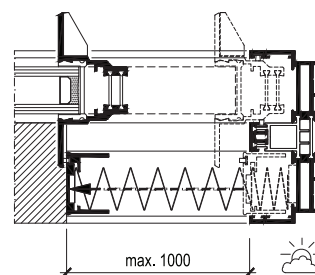


Finally, the track must be fitted below the insect screen.

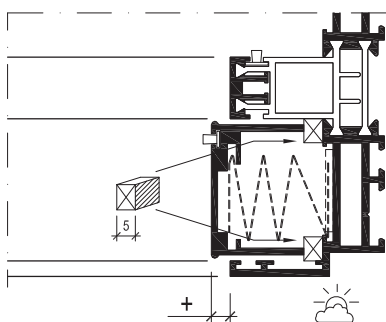
It is inserted into the base profile and slid beneath the end cap from the side.

NOTE:

The insect screens can be withdrawn max. 1m.
The adjacent cover will serve as the stopper.

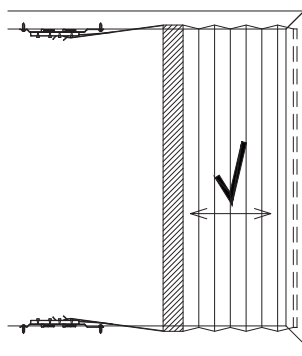


Adjusting handle clearance



If the handle profile has been inserted too far into the frame profile, two rubber buffers can be glued to the frame at a height of about 1m, behind the handle profile flange.

Cleaning and care



Clean frame, handle profile and fabric with soapy water and a soft cloth.

TIP:

The fabric can also be cleaned by blowing through it from the inside to the outside using compressed air or a hair dryer (using cold air).

CAUTION:

Never use chemical or abrasive materials!