

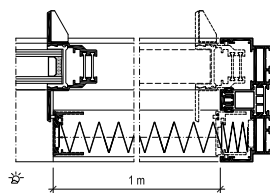
Sky-Frame

Features

Features

This chapter describes the extension options for the standard systems.

Sky-Frame Fly

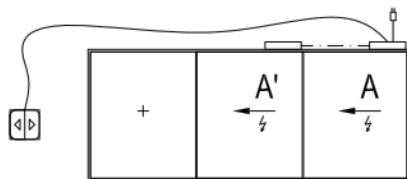


The ideal addition to Sky-Frame is a pleated insect screen that can be pulled out of the wall at the side.

Sky-Frame Fly provides the possibility to use a sliding element in the wall as a large-scale, insect-free vent opening.

Page 6.1.2.1

Sky-Frame Automation

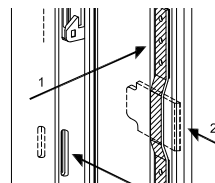


Sky-Frame sliding windows can be equipped with an electric drive that is invisibly installed in the soffit profile upon request.

As well as the classic single wing opening, it is also possible to move several wings together.

Page 6.1.3.1

Sky-Frame Guard



Sky-Frame provides additional options for increasing burglary protection:

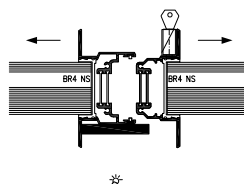
- mechanical measures (RC2)

Page 6.1.4.1

- electronic measures (P/R/G)

Page 6.1.5.x

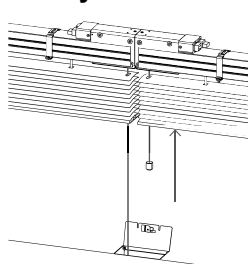
Sky-Frame Gun



Bullet-proofing is made possible with Sky-Frame 3 Gun by using special safety insulating glass (2-IV with bullet-proof glass), frame profiles and vertical profiles with additional reinforcement and defined building connections.

Page 6.1.6.1

Sky-Frame Sun



The Sun flat louvre system is the optimum shade-providing solution for sliding windows from Sky-Frame.

The Sun box, which is embedded in the floor, and the roll-up mechanism in the roller shutter box allow the guide cords to be quickly removed and also easily re-attached.

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Sky-Frame Fly

Insect screens

Insect screens

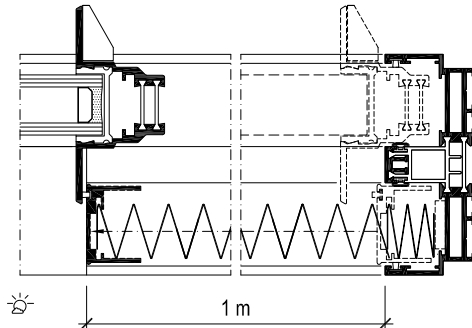


The insect screen from Sky-Frame combines breath-taking views with living comfort.

In the closed condition the pleated screen is invisibly lowered into the locking frame. Openings of up to one metre can be covered completely.

The insect screen can be retrofitted into existing Sky-Frame sliding window systems.

Tensioning cords made from strong Vectran and the integrated profile provide maximum stability and weather resistance.



Features:

- for Sky-Frame 1, 2 and 3
- up to a height of 4 m
- up to a width of 1 m
- no thresholds

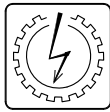
The ideal position is on the track, which is outside the sliding element.

Cleaning and care

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

TIP:

The fabric can also be blown through with compressed air or a hair dryer (set to cold) from the inside to the outside and thus cleaned.

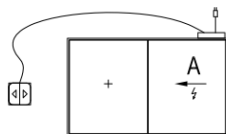


Sky-Frame Automation

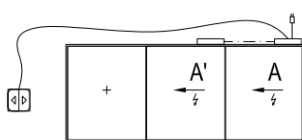
Electric drive

Electric drive

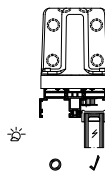
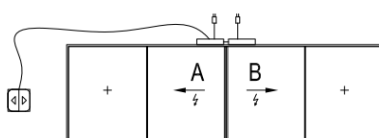
• Einzelantrieb (A)



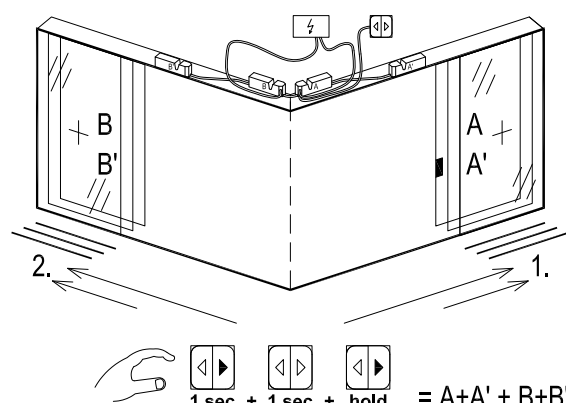
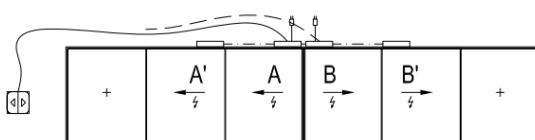
• Teleskopantrieb (A)+(A')



• Einzelantrieb links + rechts (A)+(B)



• Teleskopantrieb links + rechts (A)+(A')+(B)+(B')



Sky-frame sliding windows can be equipped with an invisible built-in electric drive in the top profile upon request.

The wings are moved using a special gear-belt drive integrated in the frame. The wings are automatically unlocked when opened and re-locked when closed.

Manual operation is possible irrespective of the drive. The opening option is thereby guaranteed at any time, even at power failures.

The start-up and maintenance of the drive module are carried out directly through the frame profile. Maintenance openings with ugly covers in the floor or the ceiling are not required.

The powered sliding windows are generally positioned on the inner tracks.

Operation:

In addition to the classic single wing opening, it is also possible to move several wings together.

Middle or corner openings can be made, also as telescopic corner openings.

The entire system and corners open up variably by pressing a button – providing unique operating convenience.

Huge fronts can be opened at once - with the push of only one button.

This is provided by a so called “dead man's switch”, which means that the wing moves only while the button is pressed.

Depending on the pressure sequence, the wings can be opened and closed individually or all at once.

Controlling via a remote control with an active infrared monitoring system is also possible as an option.



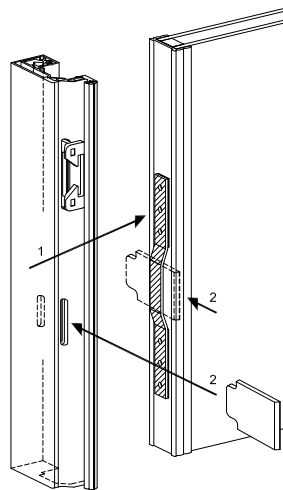
Sky-Frame Guard

Increased burglary protection

Increased burglary protection

Even the standard model of Sky-Frame offers excellent burglary protection - including the system-based bonding of the GRP profiles with insulating glass and multipoint locking.

Additional components



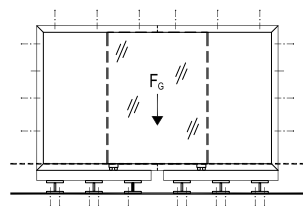
The following additional components must be fitted in a Sky-Frame 2 system with increased burglary protection requirements RC2 (WK2):

- Glass lifting protection
- Fixed panel securing
- Edge opening fitting
- Corner opening fitting
- Centre opening (level) fitting
- Centre opening (offset) locking plate
- Fixed corner glazing with GRP-profile
- Laminated glass (LSG) with special PVB films (P4A)

IMPORTANT:

Only lockable handles are permitted!

Installation



At least 3 fixing points must be present in the vertical direction.

The fixing point spacing of 700mm must not be exceeded in the horizontal direction.

The surrounding walls must be designed according to norm EN 1627*.

Class

The ift Rosenheim certifies both Sky-Frame systems with these additional components as having an approved burglary protection up to the maximum sizes:

Resistance class RC2 (WK2)
(EN 356 and EN V 1627-1630)



*NOTE

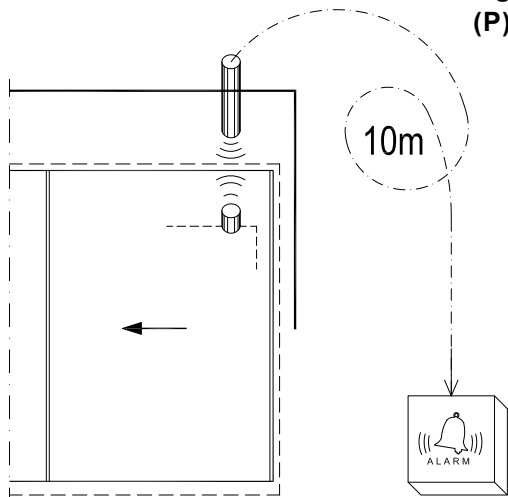
The country-specific standards apply.



Sky-Frame Guard

Alarm monitoring Position / Deadbolt

Position monitoring (P)



This alarm component is used to monitor the position of the sliding panels. The magnetic contact and the disk magnet are pre-installed in the frame profile and the door profile of the panel that is being protected.

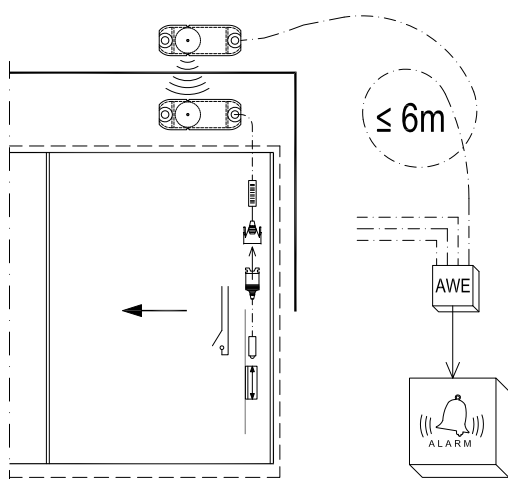
The magnetic contact is kept closed by the magnetic field of the permanent magnet. If the distance between the two parts is increased, the influence of the magnetic field is weakened. The magnetic contact then opens and interrupts the closed circuit.

Position monitor can be directly connected to a burglar alarm.

Cable length = 10m (can be extended)

VdS class: **B** (corresponds to WK4 / EN 50131-1 Grade 3)

Deadbolt monitoring (R)



All locking profiles (shutters) can be equipped with a deadbolt monitor. The signal is transmitted by the transmitter unit integrated in the frame.

Lifting the handle operates a switch contact that interrupts the electrical circuit and therefore the inductive transmission.

A signal is generated when the lock is opened (lifted). If the door is moved, the transmission unit leaves the inductive zone and permanently interrupts the transmission. This means that position monitoring is also provided.

The deadbolt monitor requires a customer-provided processing unit (AWE), to which up to four alarm components can be connected.

Cable length until AWE ≤ 6m (cannot be extended!)

VdS class: **C** (corresponds to WK5 / EN 50131-1 Grade 4)



Possible combinations:

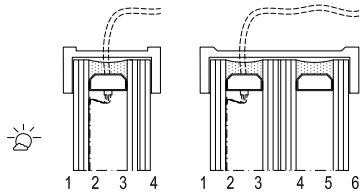
- Deadbolt monitoring also fulfills position monitoring
- Deadbolt monitoring can NOT be combined with el.drives



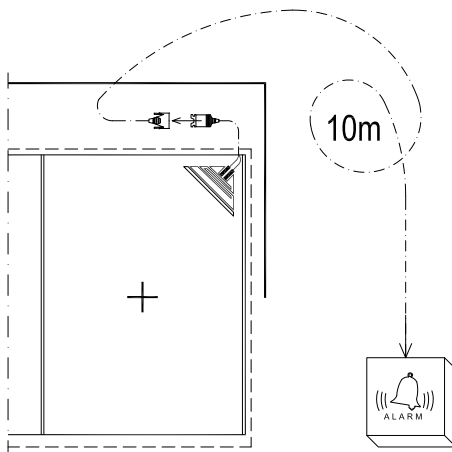
Sky-Frame

Alarm monitoring Glass breakage

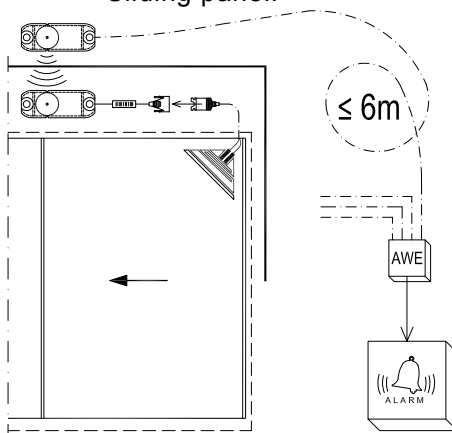
Glass breakage sensor (G)



Fixed panel:



Sliding panel:



Sky-Frame 2+3 is equipped with alarm glass that can be used in sliding and fixed panels.

The screen printed metal circuit is protected in the gap between the panes on surface 2 and is always positioned in the top left-hand or the right-hand corner (depending on the installation situation).

In the event of an attack with subsequent destruction of the outer pane of glass (tempered safety glass), it disintegrates into a large number of small fragments. This also interrupts the conductive screen printed metal circuit in several locations, causing the electrical circuit to be interrupted. This is detected by the connected burglar alarm, and an alarm is triggered.

Glass breakage sensor with fixed panel:

The alarm glass connecting cable is connected to the cable in the frame via a plug-in connection, and is therefore directly connected to the burglar alarm.

Cable length = 10m (can be extended)

VdS class: **C** (corresponds to WK5 / EN 50131-1 Grade 4)

Glass breakage sensor with sliding panel:

Transmission takes place via an transmitter unit that is integrated in the frame at the top. In the event of glass breakage or door movement, the circuit is interrupted.

A customer-provided processing unit (AWE), to which up to four alarm components can be connected is needed to evaluate the signal.

Cable length until AWE ≤ 6m (cannot be extended!)

VdS class: **C** (corresponds to WK5 / EN 50131-1 Grade 4)

Possible combinations:

- Glass breakage sensor also fulfills position monitoring
- Glass breakage sensor can be combined with deadbolt monitoring
- Glass breakage sens. can NOT be combined with el.drives



Sky-Frame 3 Gun

Bullet-proofing

Bullet-proofing



Bullet-proofing is made possible with Sky-Frame 3 GUN by using special safety insulating glass (2-IV with bullet-proof glass), frame profiles and vertical profiles with additional reinforcement and defined building connections.

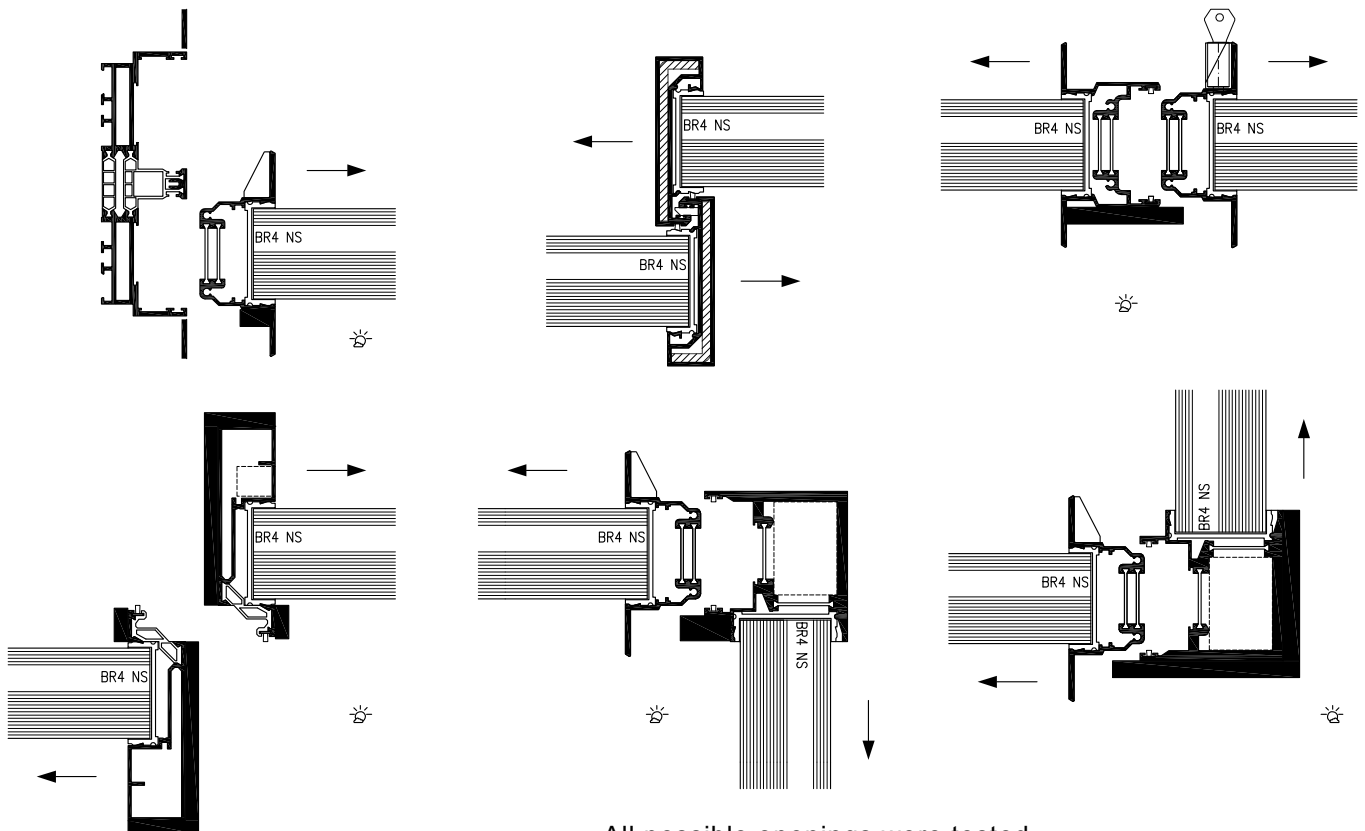
The Armasuisse test institute in Thun has certified the Sky-Frame Gun system in the classification up to:

Class FB 4, NS

(EN 1522, EN 1523, EN 1063)

FB 4 = shot from 5 metres, calibre .357 and .44 Magnum

NS = no splinters on the inside



All possible openings were tested.

Prerequisites

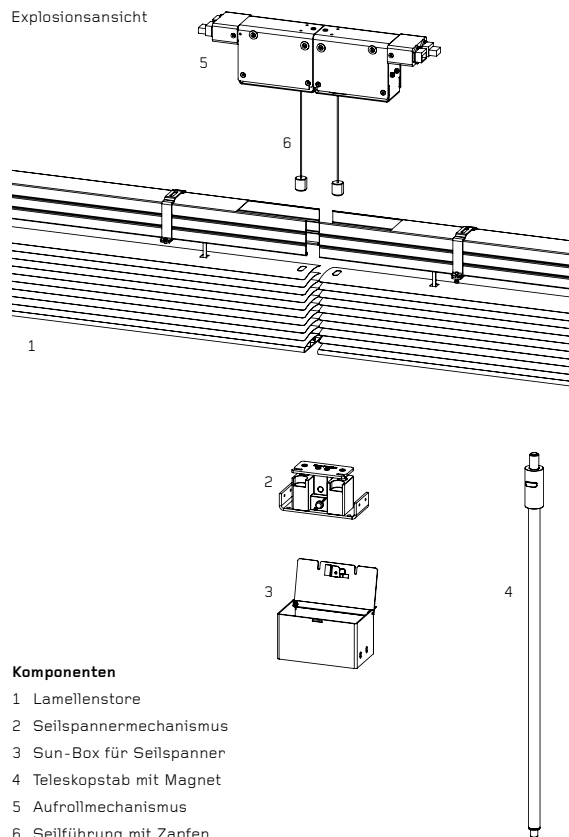
- Sky-Frame 3, 2-track only
- Glass: 2-IV ($U_g=1.0$), max. W x H = 2 x 4m
- Glass breakage monitoring (G) possible, RC2 based on

Sky-Frame Sun

Shading solution

Shading solution

Explosionsansicht



Komponenten

- 1 Lamellenstore
- 2 Seilspannermechanismus
- 3 Sun-Box für Seilspanner
- 4 Teleskopstab mit Magnet
- 5 Aufrollmechanismus
- 6 Seilführung mit Zapfen

The 80 mm flat aluminium louvre profiles and the filigree sliding windows from Sky-Frame are a match made in heaven.

The Sun box, which is embedded in the floor, and the roll-up mechanism in the roller shutter box allow the guide cords to be quickly removed and easily re-attached to provide free passage.

Wire cables sheathed in plastic lead louvres of up to three metres in length to a maximum height of four metres.

- available anodised and in a wide range of colours
- up to wind resistance class 4

Detailed information can be found in the Sky-Frame product brochure.

