

roller shutters and gates  
**SYSTEMS**



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ROLLER SHUTTERS SYSTEMS

S Y S T E M S

FRONT MOUNTED SHUTTERS

→ 177

FRONT MOUNTED  
ROLLER SHUTTER SYSTEMS  
SK and SKP

→ 177

FRONT MOUNTED  
ROLLER SHUTTER SYSTEMS  
SKO and SKO-P

→ 180

TOP MOUNTED ROLLER  
SHUTTER SYSTEMS  
SP and SP-E

→ 183

TOP MOUNTED ROLLER  
SHUTTER SYSTEMS  
SKN B+H

→ 186

NEW

OPOTERM  
- PVC ROLLER SHUTTER  
SYSTEM

→ 188

NEW

ANTI-BURGLARY  
SYSTEM

→ 191

INSECT SCREEN SYSTEMS

THE FIXED  
INSECT SCREEN  
MRS

→ 192

NEW

THE SWING  
INSECT SCREEN  
MRO

→ 193

NEW

THE SLIDING  
INSECT SCREEN  
MRP

→ 194

GATES SYSTEMS

GARAGE DOOR  
SYSTEMS  
BGR

→ 195

INDUSTRIAL GATE  
BPR

→ 198

COMMERCIAL GATE  
BKR

→ 200

## FRONT MOUNTED ROLLER SHUTTER SYSTEMS

# SK<sub>and</sub> SKP

ROLLER SHUTTERS SYSTEMS



### Functionality

The adaptation system is designed for use in existing buildings. The roller shutter is rolled up into an aluminium box placed on the wall or in the reveal. The box is then a decorative element, matched to the appearance of the building. One of the solutions is the possibility to use a mosquito net installed in the rollershutter box (Moskito system). The integrated system ensures independent operation of a roller shutter and an anti-insect net.

### Design

The roller-shutter profiles are made of highgrade aluminium sheet covered with a twolayer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions. Due to the filling foam, the profiles feature good thermal and sound insulating performance. SK system boxes are made of high-grade aluminium sheet, like roller-shutter profiles, which are protected with two-layer coating in the PUR-PA system.

### Comfort of operation

Roller shutters come as manually operable or with an electrical drive connected to the control system, which secures high comfort of operation.

### Advantages of application

The well-thought-out construction of roller shutters and appropriately selected materials provide effective protection against uninvited guests. In addition, they constitute excellent thermal insulation, thus allowing significant heating costs efficiency in winter, whereas in summer they reduce the temperature to which rooms heat up. Their integration with the Moskito system adds extra protection of the building interior against insects, while unobstructed access of light and air is still ensured.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

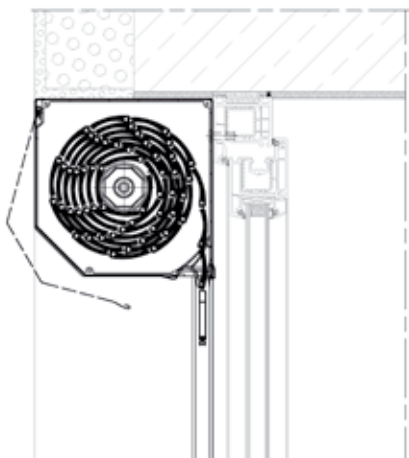
### Requirements

Roller shutters of the ALUPROF systems have a Initial Type Testing, made by the accredited laboratory and rendered accessible recipients of systems.

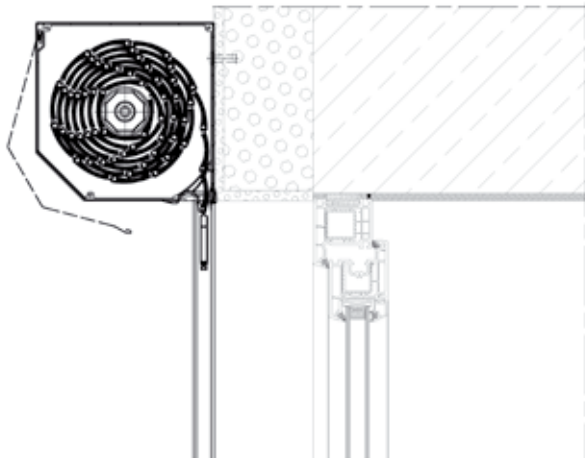


Roller shutter - instalation examples

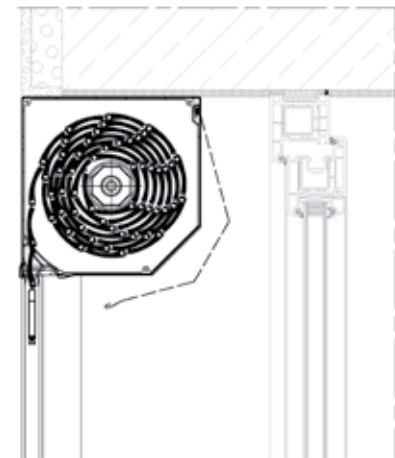
SK VARIANT 1



SK VARIANT 2

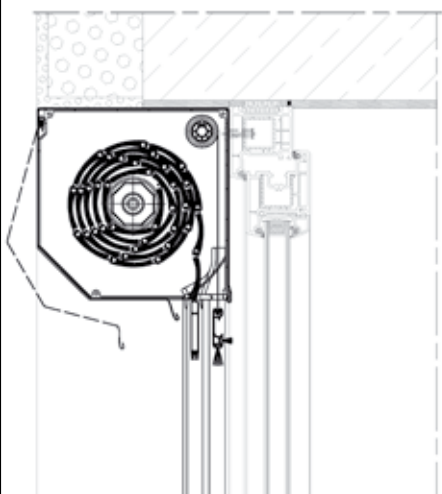


SK VARIANT 3

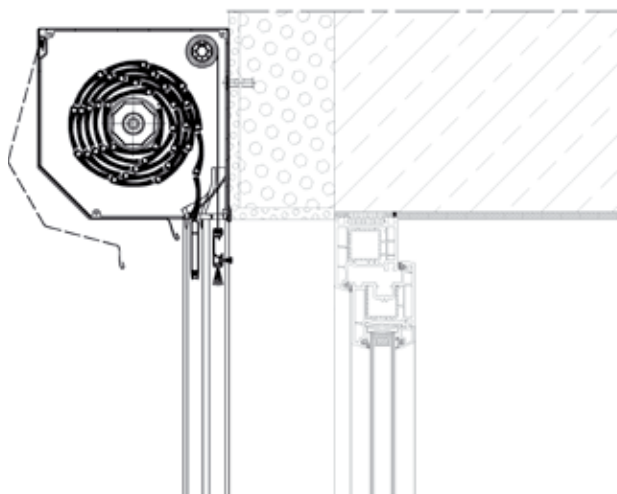


Roller shutter with mosquito net - instalation examples

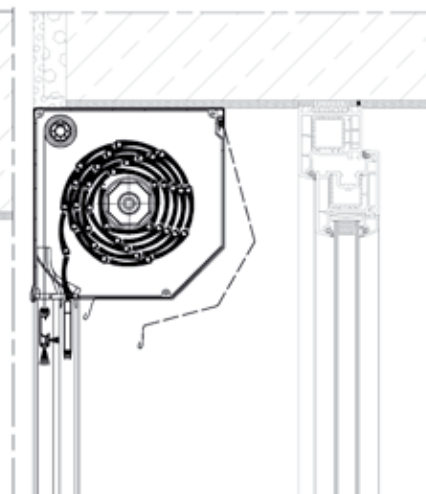
SK + MKT VARIANT 1



SK + MKT VARIANT 2

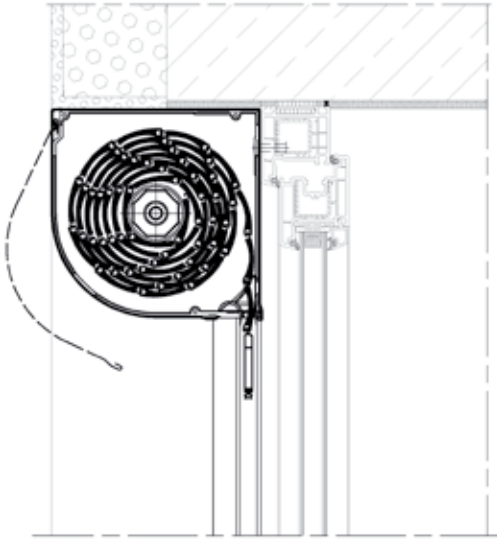


SK + MKT VARIANT 3

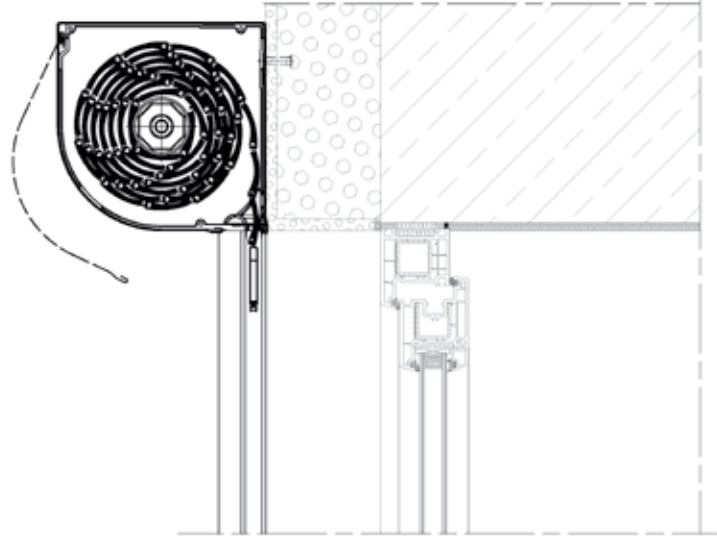


Roller shutter - instalation examples

SKP VARIANT 1

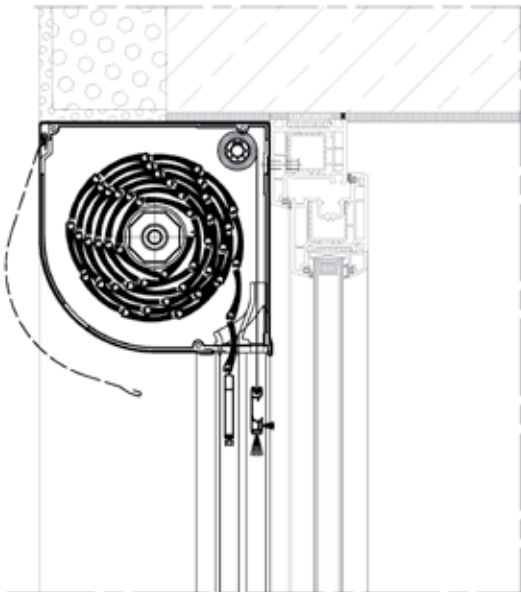


SKP VARIANT 2

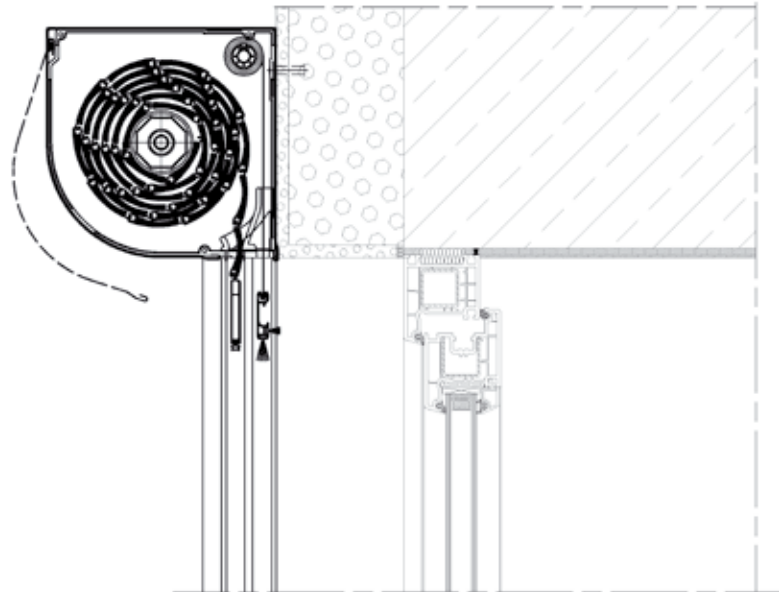


Roller shutter with mosquito net - instalation examples

SKP + MKT VARIANT 1



SKP + MKT VARIANT 2



## FRONT MOUNTED ROLLER SHUTTER SYSTEMS

# SKO and SKO-P

ROLLER SHUTTERS SYSTEMS



### Functionality

The adaptation system is designed for use in existing buildings. The roller shutter is rolled up into an aluminium box placed on the wall or in the reveal. The box is then a decorative element, matched to the appearance of the building. One of the solutions is the possibility to apply a mosquito net installed in the roller-shutter box (Moskito system). The integrated system ensures independent operation of a roller shutter and an anti-insect net.

### Design

The roller-shutter profiles are made of high-grade aluminium sheet covered with a two-layer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions. Due to the filling foam, the profiles feature good thermal and sound insulating performance. Round, extruded boxes of the OWAL system feature very good resistance and long life, ensuring at the same time high safety and protection level. The aesthetic and functional OWAL system is achieved due to the application of a rounded guide rail cover.

### Comfort of operation

Roller shutters come as manually operable or with an electrical drive connected to the control system, which secures high comfort of operation.

### Advantages of application

The well-thought-out construction of roller shutters and appropriately selected materials provide effective protection against uninvited guests. In addition, they constitute excellent thermal insulation, thus allowing significant heating costs efficiency in winter, whereas in summer they reduce the temperature to which rooms heat up. Their integration with the Moskito system adds extra protection of the building interior against insects, while unobstructed access of light and air is still ensured.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

### Requirements

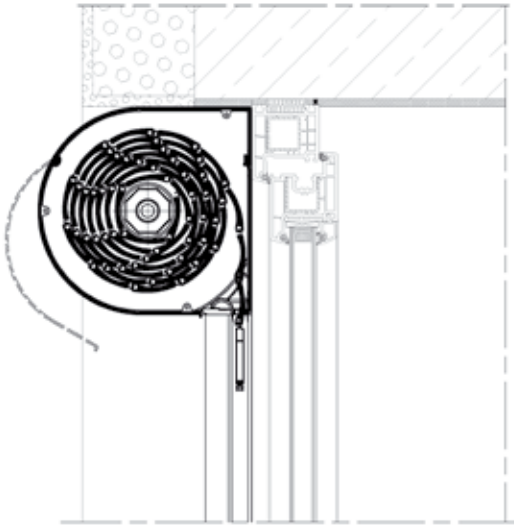
Roller shutters of the ALUPROF systems have a Initial Type Testing, made by the accredited laboratory and rendered accessible recipients of systems.



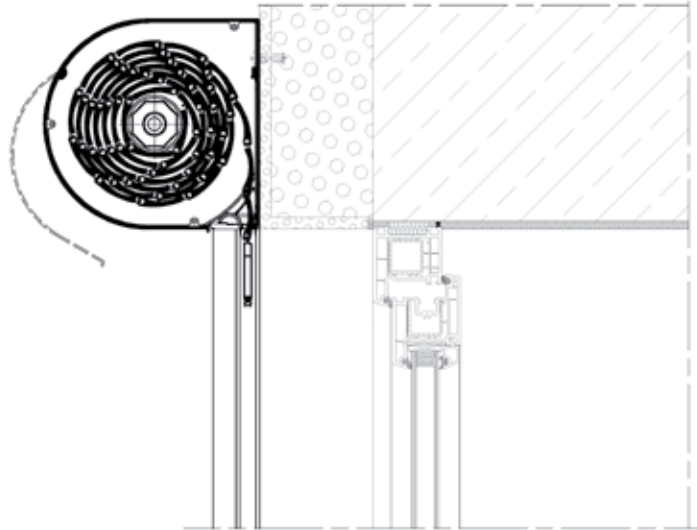


Roller shutter - instalation examples

SKO VARIANT 1

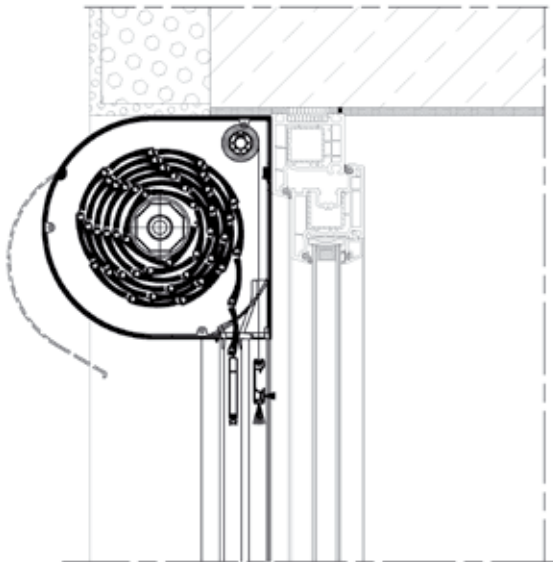


SKO VARIANT 2

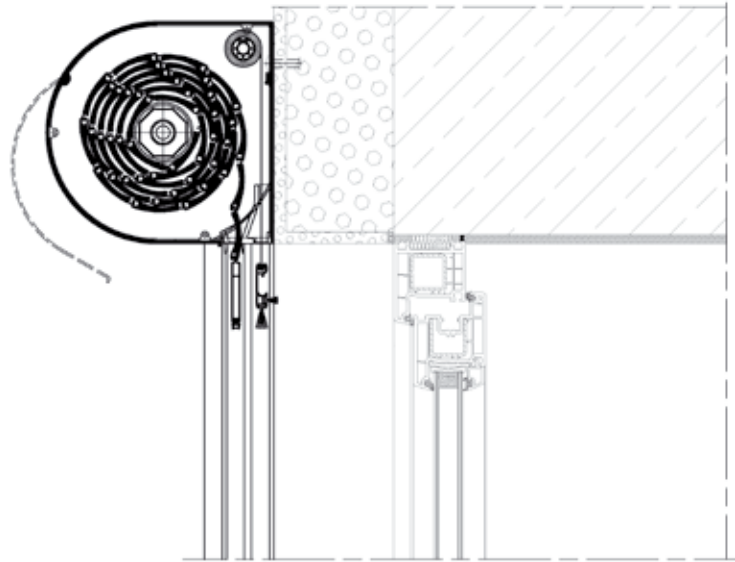


Roller shutter with mosquito net  
- instalation examples

SKO + MKT VARIANT 1

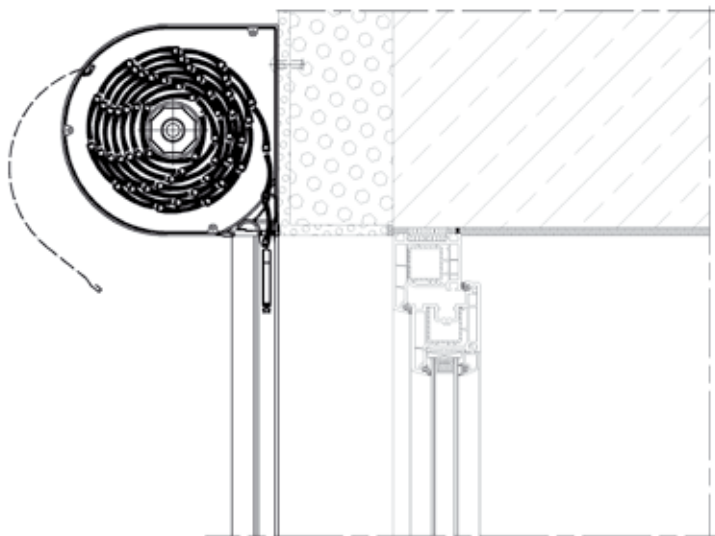


SKO + MKT VARIANT 2

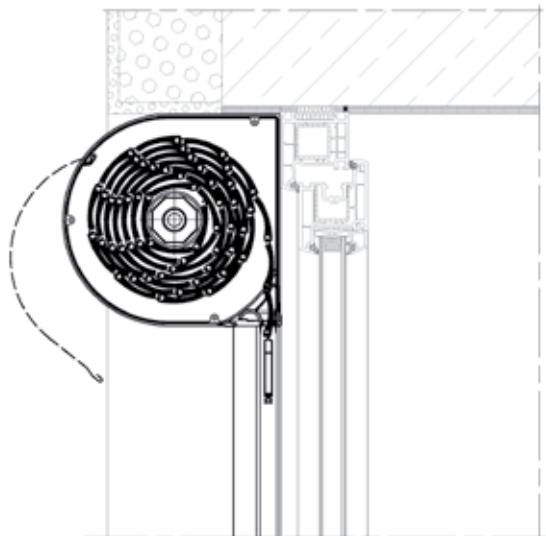


Roller shutter - instalation examples

SKO-P VARIANT 1

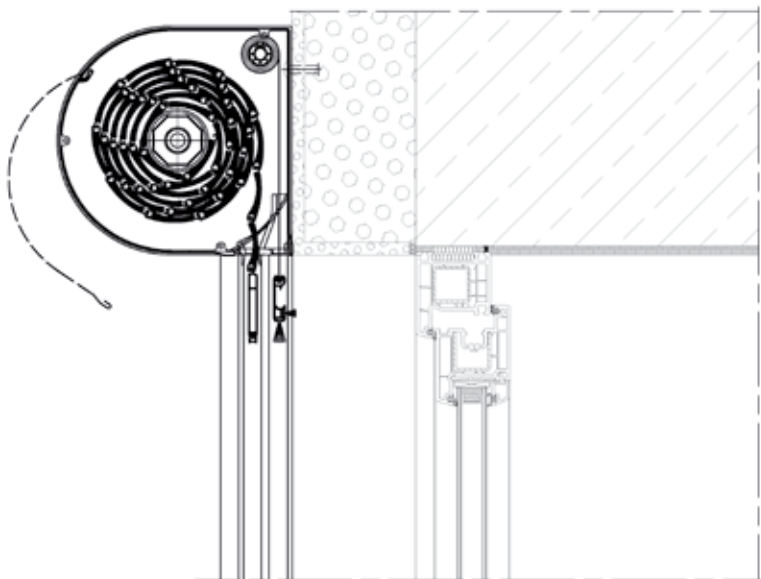


SKO-P VARIANT 2

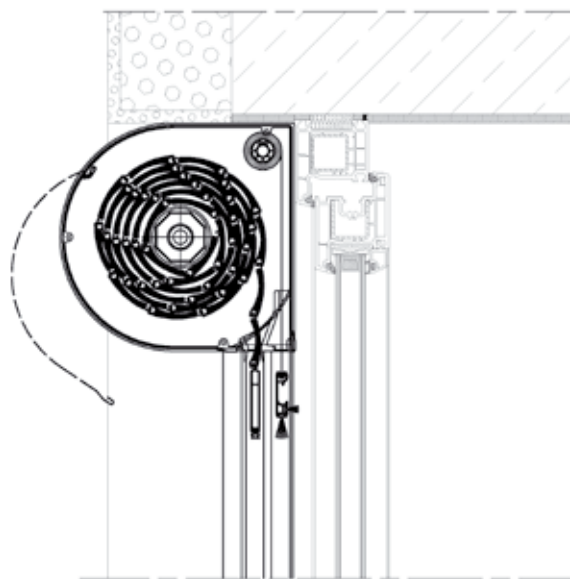


Roller shutter with mosquito net  
- instalation examples

SKO-P + MKT VARIANT 1



SKO-P + MKT VARIANT 2





## TOP MOUNTED ROLLER SHUTTER SYSTEMS

# SP and SP-E

ROLLER SHUTTERS SYSTEMS



### Functionality

The under plaster system SP / SP-EKO is designed for use at the stage of building erection. It allows architects and designers to take advantage of optimal solutions. Application of the system in already existing facilities is possible after making some necessary changes in the header section. The system offers an option to use a mosquito net installed in the roller-shutter box (Moskito system). The integrated system ensures an independent operation of a roller shutter and an anti-insect net.

### Design

The roller-shutter profiles are made of high-grade aluminium sheet covered with a two-layer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions. Due to the filling foam, the profiles feature good thermal and sound insulating performance. The roller-shutter box built under the header is an integral part of the curtain wall. The face of the box constitutes at the same time the base for any finishing material (e.g. plaster, clinker), due to which it remains an imperceptible

element of the curtain wall. The SP / SP-EKO system elements do not interfere with the construction of the window, door or header - thus the energy balance of the building is not disturbed.

### Comfort of operation

Roller shutters come as manually operable or with an electrical drive connected to the control system, which secures high comfort of operation.

### Advantages of application

The well-thought-out construction of roller shutters and appropriately selected materials provide effective protection against uninvited guests. In addition, they constitute excellent thermal insulation, thus allowing significant heating costs efficiency in winter, whereas in summer they reduce the temperature to which rooms heat up. Their integration with the Moskito system adds extra protection of the building interior against insects, while unobstructed access of light and air is still ensured.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

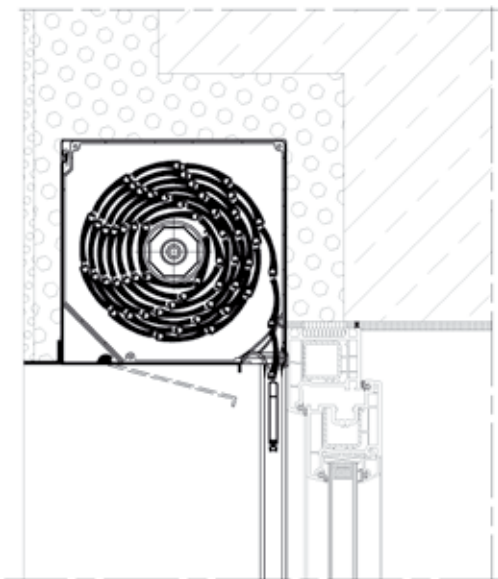
### Requirements

Roller shutters of the ALUPROF systems have a Initial Type Testing, made by the accredited laboratory and rendered accessible recipients of systems.

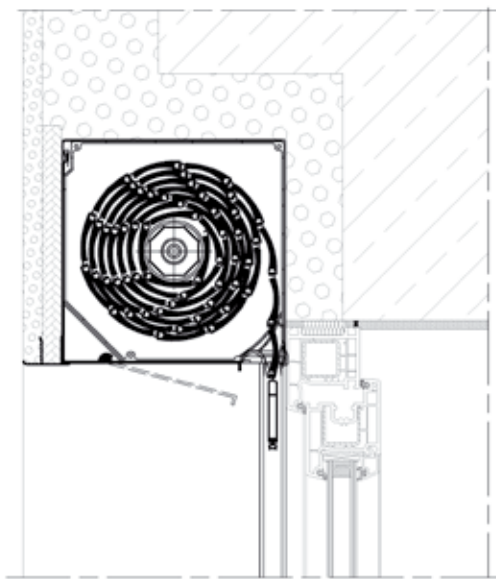


Roller shutter - instalation examples

SP VARIANT 1

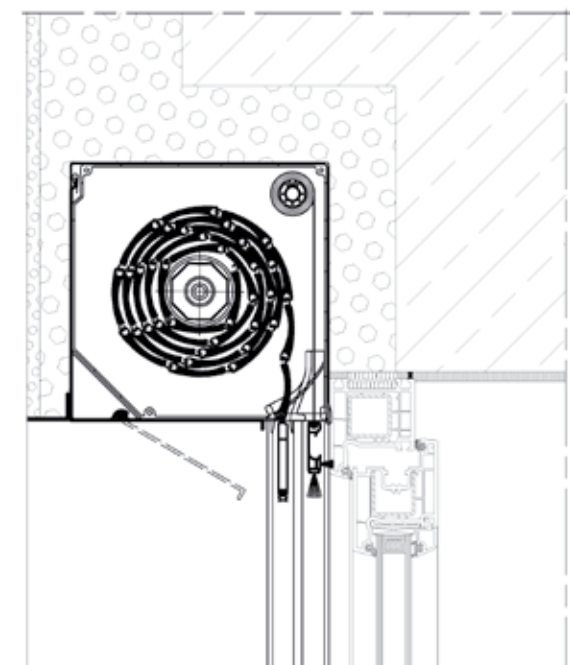


SP VARIANT 2

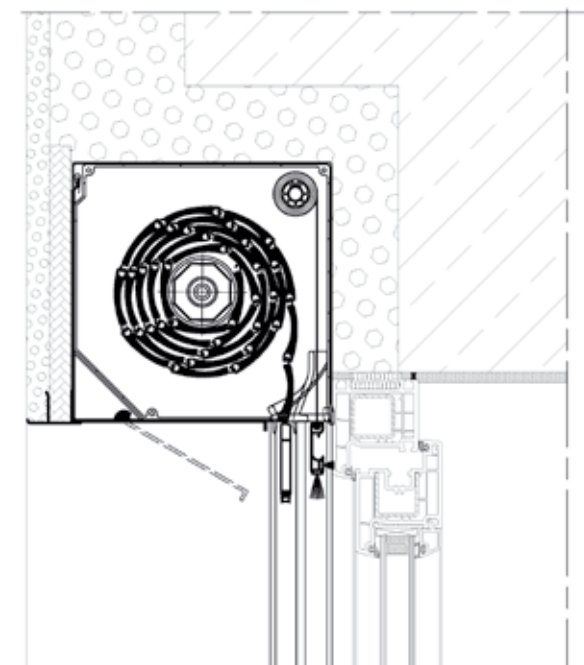


Roller shutter with mosquito net  
- instalation examples

SP + MKT VARIANT 1

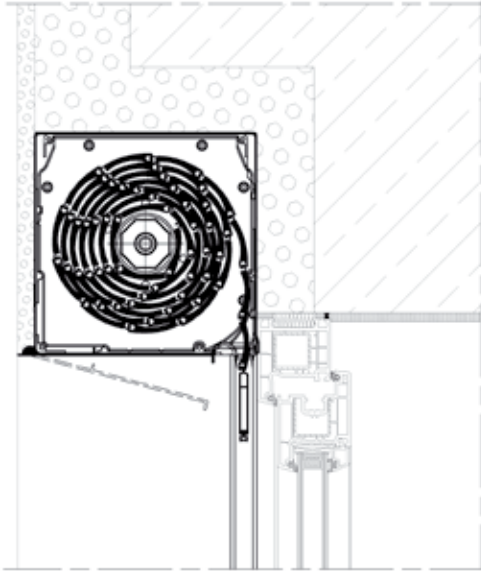


SP + MKT VARIANT 2

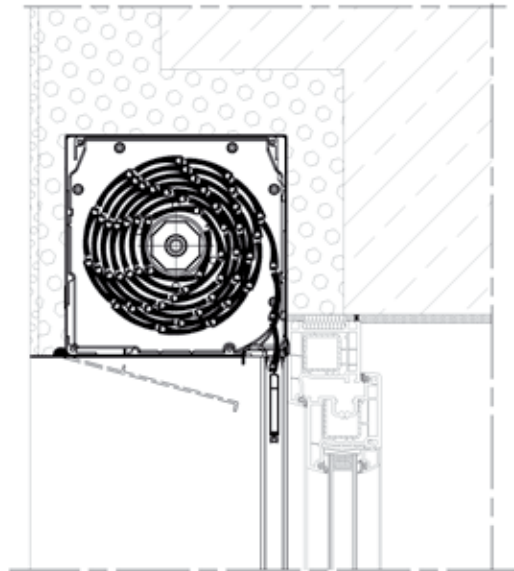


Roller shutter - instalation examples

SP-E VARIANT 1

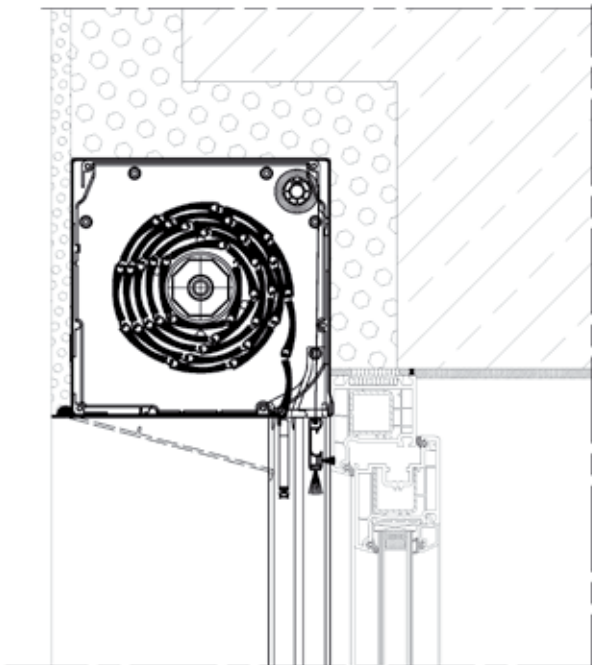


SP-E VARIANT 2

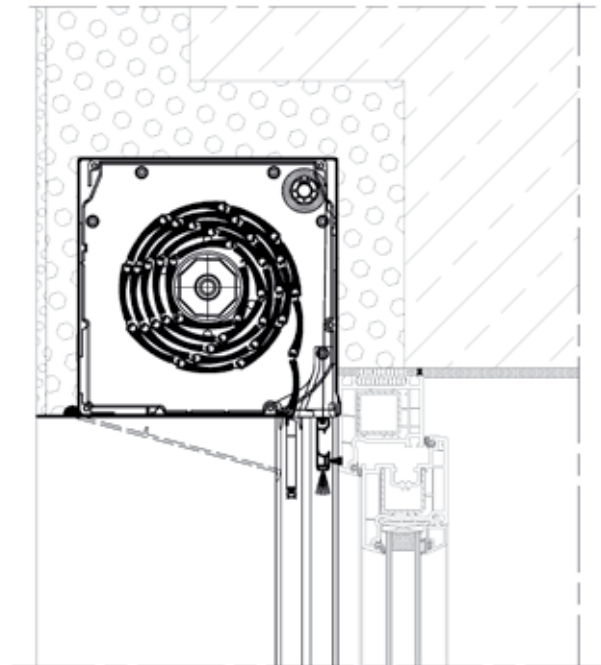


Roller shutter with mosquito net  
- instalation examples

SP-E + MKT VARIANT 1



SP-E + MKT VARIANT 2



## TOP MOUNTED ROLLER SHUTTER SYSTEMS

# SKN B+H

ROLLER SHUTTERS SYSTEMS



### Functionality

The SKN system is designed for use at the stage of building erection. It allows architects and designers to take advantage of optimal solutions. SKN boxes are ready-made constructional elements to be applied by architects and building contractors.

### Design

The roller-shutter profiles are made of high-grade aluminium sheet covered with a two-layer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions. Thanks to the filling foam, the profiles feature good thermal and sound insulating performance.

The box made of hard foamed polystyrene ensures the appropriate level of thermal insulation and a trouble-free finish for the curtain wall. The SKN system elements do not interfere with the construction of the window, door or header - thus the energy balance of the building is not disturbed.

### Comfort of operation

Roller shutters come as manually operable or with an electrical drive connected to the control system, which allows a high comfort of operation.

### Advantages of application

The well-thought-out construction of roller shutters and appropriately selected materials provide effective protection against uninvited guests. In addition, they constitute excellent thermal insulation, thus allowing significant heating costs efficiency in winter, whereas in summer they reduce the temperature to which rooms heat up.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

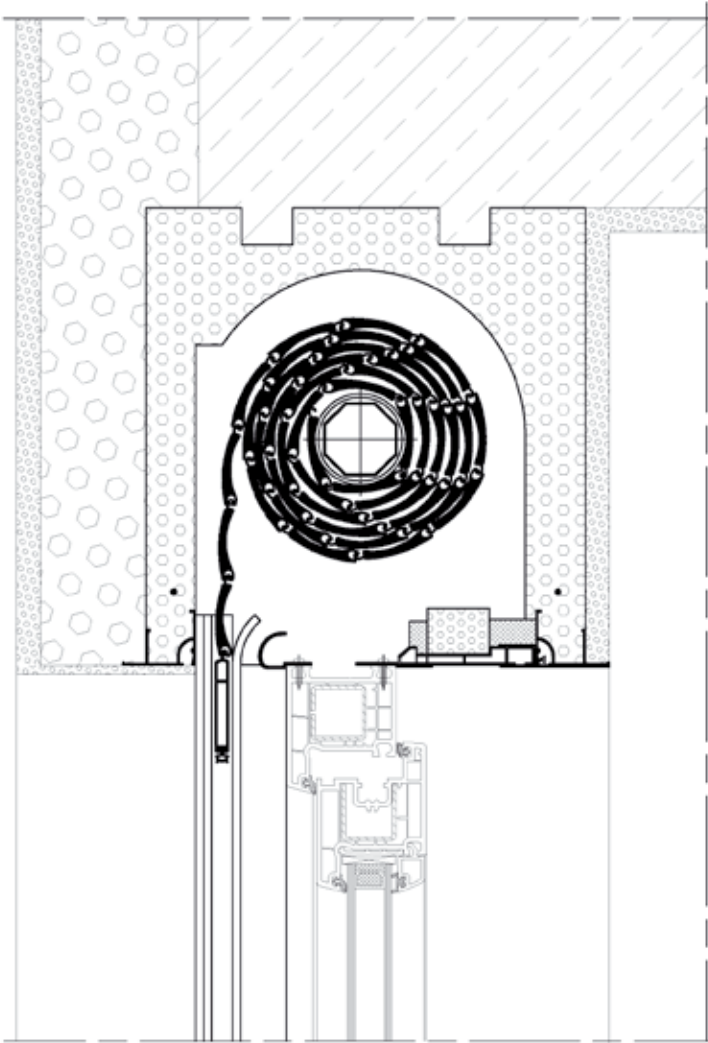
### Requirements

Roller shutters of the ALUPROF systems have a Initial Type Testing, made by the accredited laboratory and rendered accessible recipients of systems.

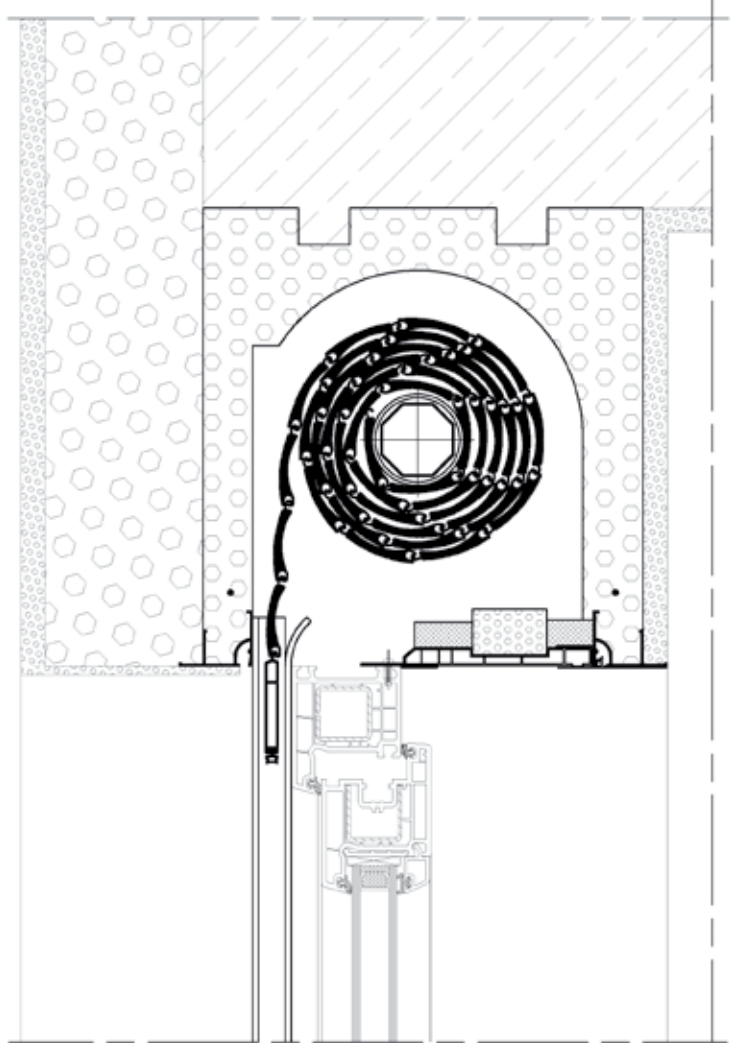


Roller shutter - instalation examples

SKN B+H VARIANT 1



SKN B+H VARIANT 2





# SKT OPOTERM

PVC roller shutter system

ROLLER SHUTTERS SYSTEMS



## Functionality

The on-window mounted system is designed for use both at the stage of building erection as well as in existing buildings. It allows architects and designers to take advantage of optimal solutions. The construction of the system enables the shutter box development from both sides and from one side. There is possible also the installation without any development. The system offers an option to use a mosquito net installed in the rollershutter box (Moskito system). The integrated system ensures an independent operation of a roller shutter and an anti-insect net.

## Design

The roller-shutter profiles are made of highgrade aluminium sheet covered with a two layer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions. Due to the filling foam, the profiles feature good thermal and sound insulating performance. The internal insulation of the shutter box ensures that the energy balance of the building is not disturbed. Shutter box build in under the lintel is an integral part of a building. Front of the box is a base for any finishing material (ex. plaster, clinker, Styrofoam) so it stays an invisible part of the curtain wall. Elements of the SKT system do not interfere in the construction of windows, doors and lintel.

## Special features

- Three box sizes in two versions: with or without the mosquito net.

- Possibility to use the Moskito system, which can be integrated with every roller shutter profile (PAU 37 – PA 55).

- Inspection cover at the bottom or in the front of the box. Very simple way of changing the manner in which the box is inspected, without the need to use any extra components and protected by the European Patent.

- Optimum thermal insulation. Two-part internal thermal insulation of the box to allow free service access from its bottom or front. End stop of the bottom and upper part of thermal insulation to allow moving its elements. The bottom part of thermal insulation overlaps a part of the window frame to minimise heat losses.

- Complete sealing of the roller shutter. The use of brush weather seals on both sides of the roller shutter curtain to a large extent reduces air permeability and minimise heat losses.

- Adaptive profiles suitable for most window systems.

- Reverse T-shaped plaster strip with increased stiffness in white colour and covered by renolit coating, available in a wide range of veneers.

- System to block the mosquito net bottom strip in its upper position.

## Comfort of operation

Roller shutters come as manually operable or with an electrical drive connected to the control system, which allows a high comfort of operation. Advantages of application The wellthought-out construction of roller shutters and appropriately selected materials

provide effective protection against uninvited guests. In addition, they constitute excellent thermal insulation, thus allowing significant heating costs efficiency in winter, whereas in summer they reduce the temperature to which rooms heat up. Their integration with the Moskito system adds extra protection of the building interior against insects, while unobstructed access of light and air is still ensured.

## Utility values

OPOTERM roller shutters provide excellent thermal insulation, making it possible to significantly reduce heating costs in winter and perfectly protect the interior from excessive heating in summer. In addition, the well-thought-out roller shutter construction and its full integration with the MOSKITO system keeps the building's interior free from insects, while at the same time maintaining access to light and air.

## Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

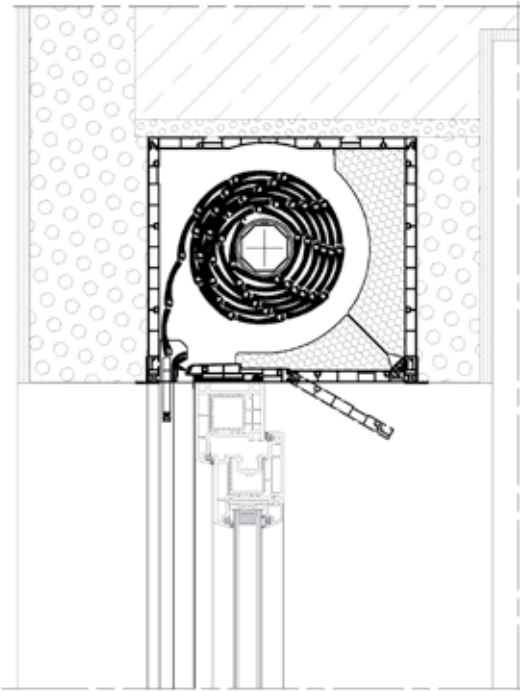
## Requirements

Roller shutters of the ALUPROF systems have a Initial Type Testing, made by the accredited laboratory and rendered accessible recipients of systems.

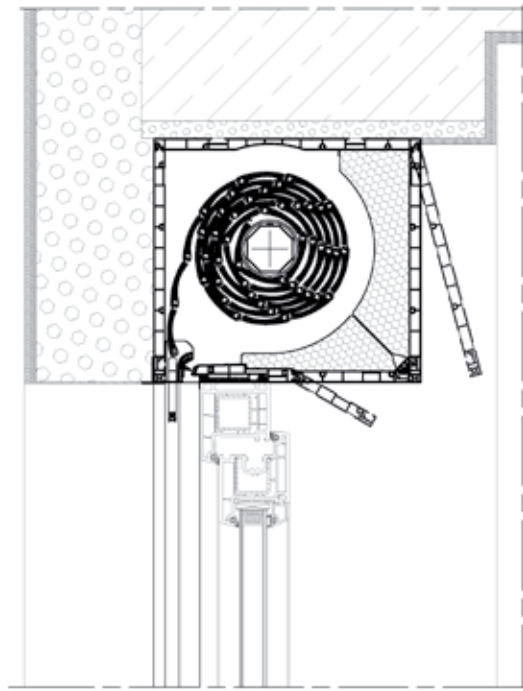


Roller shutter - installation examples

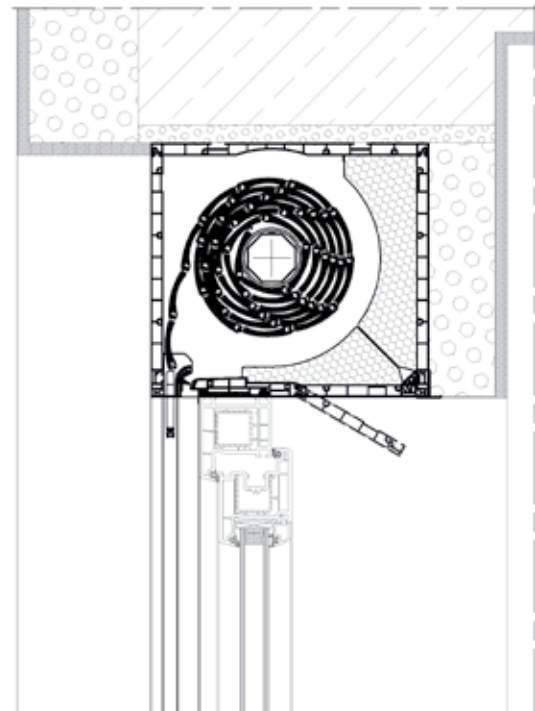
SKT VARIANT 1



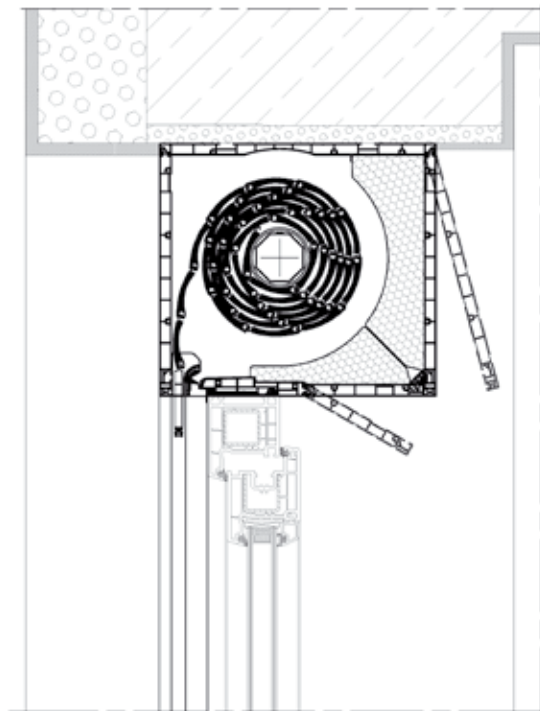
SKT VARIANT 2



SKT VARIANT 3

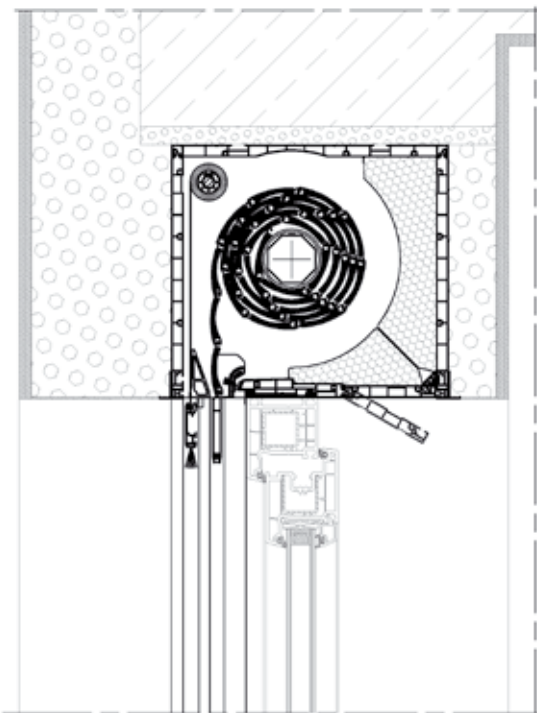


SKT VARIANT 4

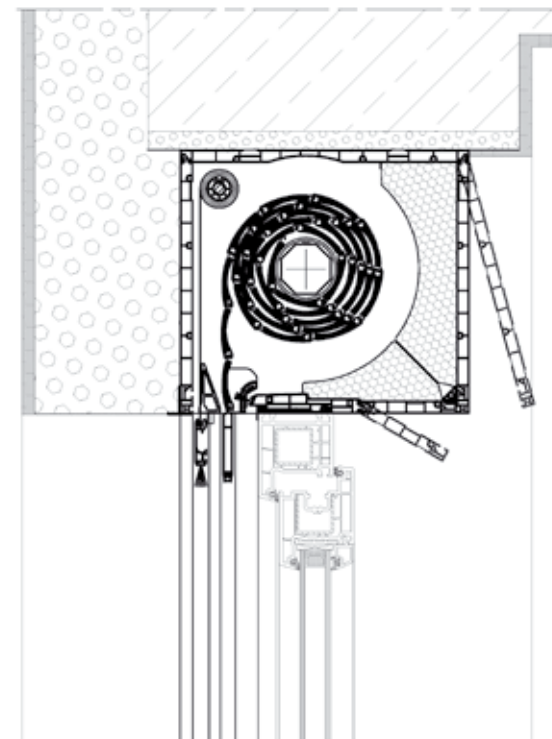


Roller shutter - instalation examples

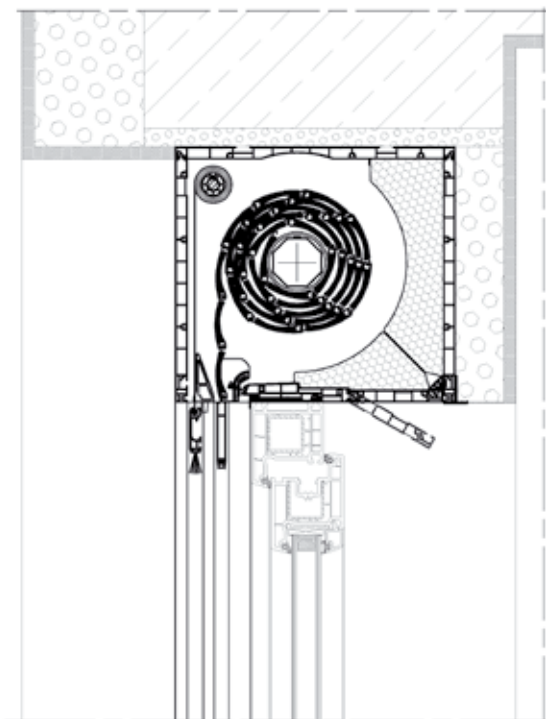
SKT + MKT VARIANT 1



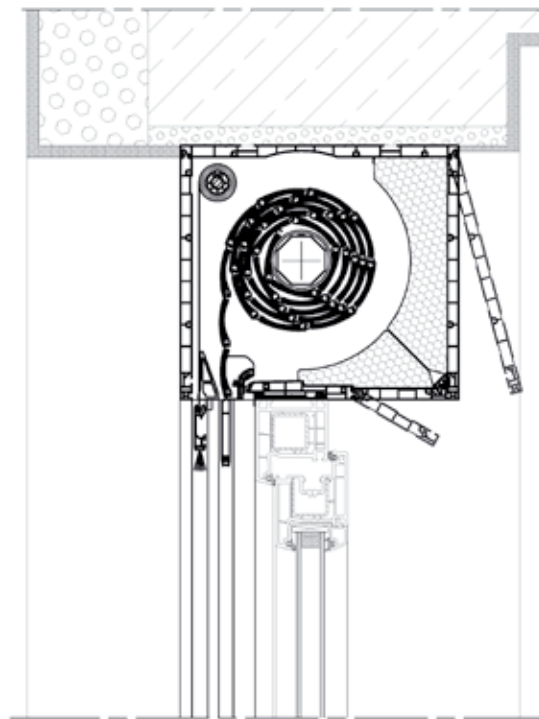
SKT + MKT VARIANT 2



SKT + MKT VARIANT 3

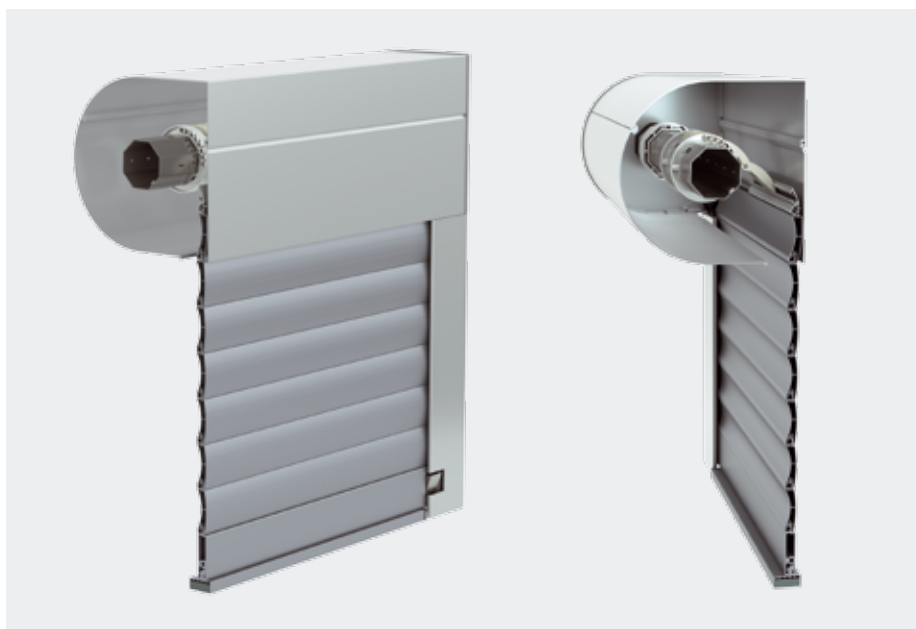


SKT + MKT VARIANT 4



# ANTI-BURGLAR SYSTEM

ROLLER BLINDS  
(SHUTTERS) SYSTEMS



Designed for users with special requirements for home safety. As a manufacturer of shutter systems, we decided to go a step further and offer a product that would be an excellent decorative element and yet provide efficient protection against burglary at the same time.

### Construction and functionality

Modern design, functionality, easy installation and operation, as well as its visual appeal, enable the right shutter to be chosen to meet the requirements of the building and curtain wall color. In such a product, individual components, e.g. guides, are provided with special reinforcement to eliminate the risk of bending and taking roller profiles out. Additionally, an adequately strong construction protects the shutter against impact. A ratchet mechanism installed in the lower section of the shutter prevents the opening of a closed curtain, which guarantees security for the house. The shutters are made of aluminum, so they are light, resistant to weather and easy to maintain.

In an unoccupied house, roller shutters protect the windows and balcony from the eyes of potential burglars and the property from theft. Thanks to special insulation, the house is also protected against excessive sunlight and heat.

Special features of the system:

- solid construction of the curtain eliminates the risk of damage
- reinforced construction of guides
- ratchet mechanism in the lower section
- reinforced bottom strip

### User properties

The anti-burglar roller shutters can be adapted to various systems, in which the curtain is rolled back into an aluminum box installed on the wall or frame. The technology and well-thought out design allow the boxes to be concealed as much as possible. A wide range of compatible systems ensure aesthetic compatibility with the curtain wall.

### Color palette

The profiles are available in a wide range of colors, therefore, they can perfectly match the windows and doors.

### Requirements

Anti-burglar roller shutters based on Aluprof systems are type-tested in an accredited laboratory according to PN-EN 1627:2011 to confirm compliance with the requirements for class RC3.



## THE FIXED INSECT SCREEN

# MRS

## FRAMED MOSQUITO SCREEN SYSTEMS



### Functionality

The system of framed mosquito screens excellently protects rooms against insects. The frame can be fixed using internal aluminum corner joints of a snap or screw type. The offer also includes external plastic corner joints in various colors. The system is compatible with most window profiles. Fixing brackets are offered in five sizes.

### Construction

The frame profile is made of strong extruded aluminum with a modern shape and powder coated surface. The profile is offered in two versions: with a "fin" abutting the window frame and without the "fin", with a place for a brush weatherseal, used for a fully enclosed window frame.

### Comfortable operation

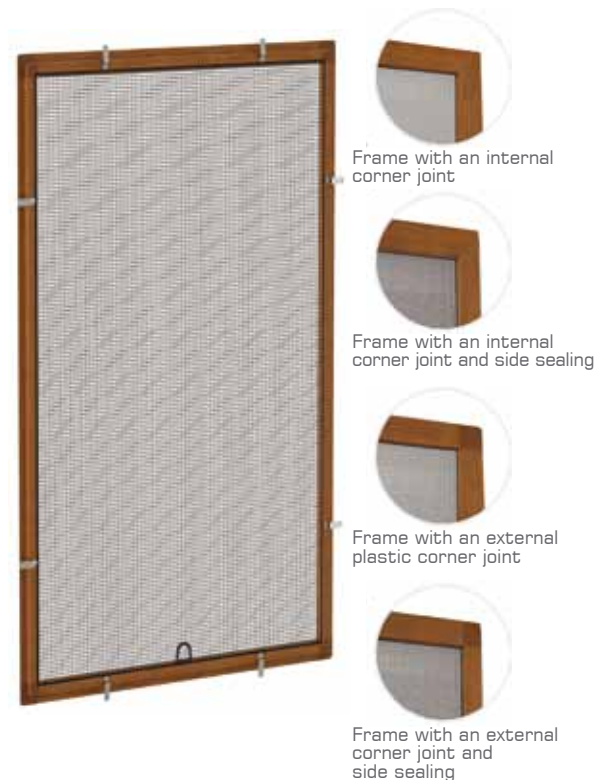
The framed mosquito screen is installed on the external side of the window frame. With the use of noninvasive rotary joints, the screen can quickly and easily be mounted and dismantled, while keeping the full functionality of the windows.

### User properties

The well-thought out design of the mosquito screen and properly selected materials provide effective protection against insects, without blocking the light and air.

### Color palette

A wide range of standard colors will satisfy the most demanding customers. The color coats are applied with the following methods, depending on customer needs: powder coating and Decoral paints.





NEW

# THE SWING INSECT SCREEN

# MRO

## FRAMED MOSQUITO SCREEN SYSTEMS



### User properties

The well-thought out design of the mosquito screen and properly selected materials provide effective protection against insects, without blocking the light and air. The screen is equipped with a handle for opening and a magnet for keeping the closed position, as a standard.

### Color palette

A wide range of standard colors will satisfy the most demanding customers. The color coats are applied with the following methods, depending on customer needs: powder coating and Decoral paints.

### Functionality

Mosquito screens with opening frames excellently protect rooms against insects without having any impact on the operation of the balcony door. The frame can be fixed using internal aluminum corner joints of a snap or screw type (set screws). Additional reinforcement, mounted by snap joints, make it possible to install larger frames.

### Construction

The frame profile is made of strong extruded aluminum profile with a modern beveled shape that nicely matches current door frames.

### Comfortable operation

The mosquito screen with an opening frame is installed directly onto the door frame using hinges with a door closer, with a simple design allowing the adjustment of the spring tension with an Allen key. The infill panel in the lower section of the leaf protects the net against damage when opening.



A hinge with a closer allows easy control of the spring tension using an Allen key. It is possible to install the hinge in two planes. The system has been patented.



The mosquito screen is provided with a nice, ergonomic handle. Profiles are extended by with the use of snap joints, which enables a larger leaf size to be obtained in a simple way.



Easy installation of the frame with an internal corner joint and set screws.



The infill panel in the lower leaf part is to protect the net against damage while opening.



### Functionality

The system of mosquito screens with a sliding frame protects rooms against insects and is used in large, glazed niches of buildings, terraces and conservatories. The screen panel slides between the upper and lower guide. The lower section includes a roller with a mechanism for the smooth adjustment of the tilt angle for each leaf. Additional reinforcement, mounted by snap joints, makes it possible to install larger frames.

### Construction

The frames and guides are made of strong extruded aluminum profiles with a modern shape, finished with a coat of increased resistance to abrasion and weathering. The shape of the main profile eliminates the need for additional brackets. The frame and leaf of the screen are fixed with internal corner joints. The mosquito screen can be installed in a three section version.

### Comfortable operation

The mosquito screen with a sliding frame is

fixed directly to the frame or jamb. A wide range of guides allows the use of different installation versions on all types of windows and frames, without blocking the external roller blinds.

### User properties

The well-thought out design of the mosquito screen and properly selected materials provide effective protection against insects, without blocking the light and air. Each screen leaf is additionally sealed with brush weatherstrips. The system also includes a braking device to slow down the roller close to the extreme position and a stopper to prevent the screen from hitting the guide.

### Color palette

A wide range of standard colors will satisfy the most demanding customers. The color coats are applied with the following methods, depending on customer needs: powder coating and Decoral paints.

Optional installation in three rows.

The guide is used to position and secure the leaf.



Each leaf is provided with a brush seal.



The frame and leaf are fixed with internal corner joints offering high durability and an aesthetic finish.



Additional reinforcement of a framed screen is installed by the use of snap joints, so the surface of a leaf can be easily expanded.





### Functionality

The roller shutter garage door can be mounted in already existing facilities as well as in those that are being built. One of the advantages of their application is the economy of space. The door operable in the vertical plane is a good solution when the driveway to the garage is short or comes directly from the street. It significantly improves the driver's safety, as the raised curtain of the door does not limit visibility.

### Design

Depending on the overall dimensions and conditions of installation, it is possible to mount the roller shutter garage door on brackets and in a box. The door profiles are made of high-grade aluminium sheet. This sheet is covered with a two-layer varnish coat in the PUR-PA system, characterised by enhanced resistance to abrasion and weather conditions.

Due to the filling foam, the profiles feature good thermal and sound insulating performance. Sufficient amount of fresh air can be provided

by application of ventilation profiles in the door curtain. You can also use glazed profiles to fill the interior with natural light.

With regard to the manner of fitting a winding tube roller shutter garage door fall into two categories:

- sitting on brackets: BGR/KNB,
- in a box: BGR/SK.

### Comfort of operation

The electrical drive allows for the use of a remote control. The radio-wave control allows the door to be opened and closed without the need to leave the car. It is particularly useful in the evening, when it is raining, or in winter.

### Safety

In accordance with the applicable standards, the roller shutter garage door is standard-equipped with the anti drop device. Can be retrofitted with protection against crushing when closing and motion sensing devices. In the event of power failure, the roller shutter garage door can be opened with the emergency manual drive. The electromagnetic

brake of the roller shutter garage door drive and the locking hangers efficiently thwart any attempts to lift the curtain.

### Colour scheme

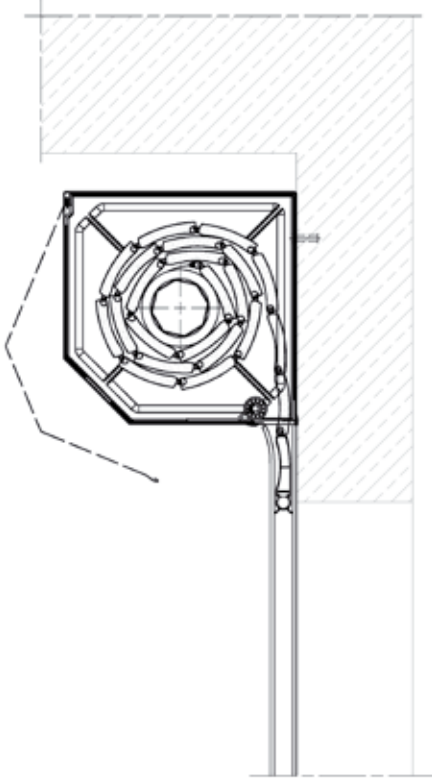
A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

### Requirements

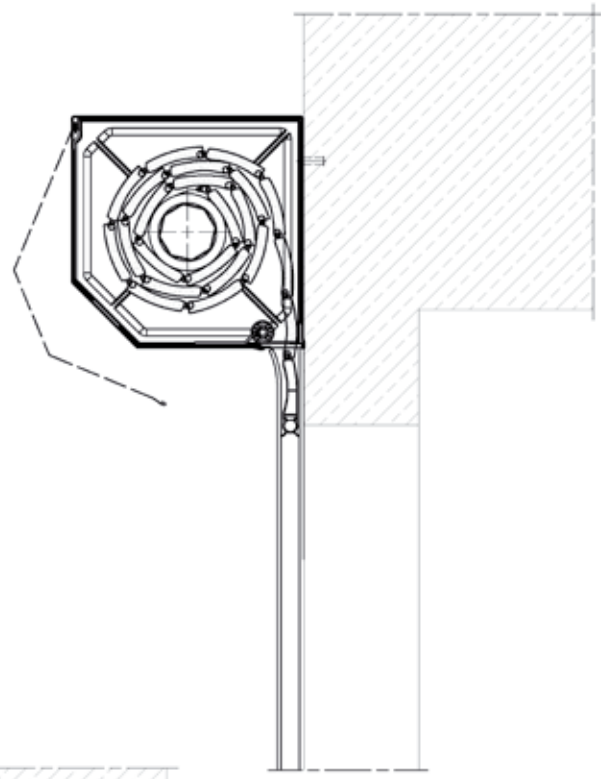
Roller shutter garage doors of the ALUPROF systems have a Initial Type Testing, made by the notified body and rendered

Gate system - installation examples

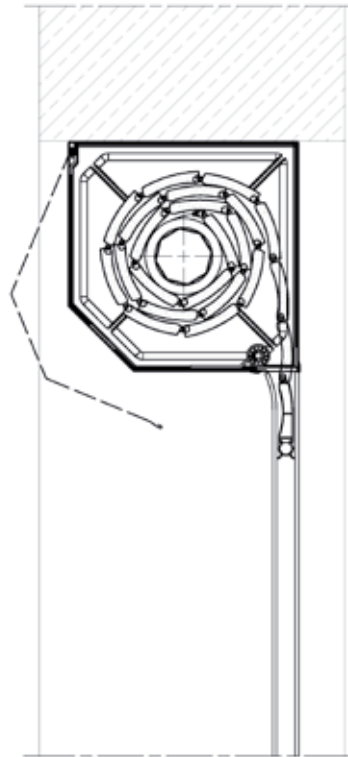
in SK 250 and SK 300 VARIANT 1



in SK 250 and SK 300 VARIANT 2

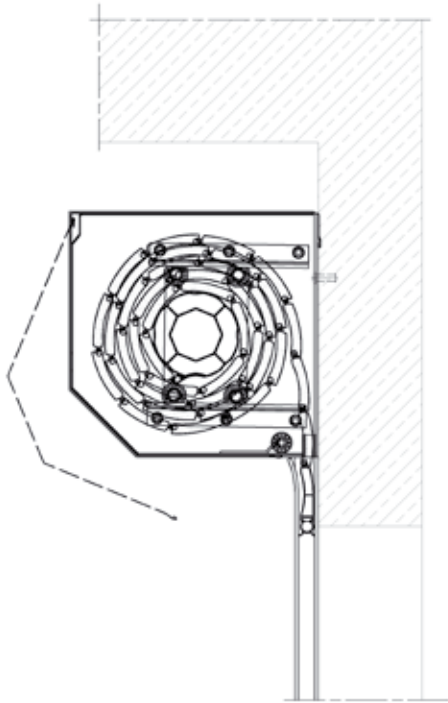


in SK 250 and SK 300 VARIANT 3

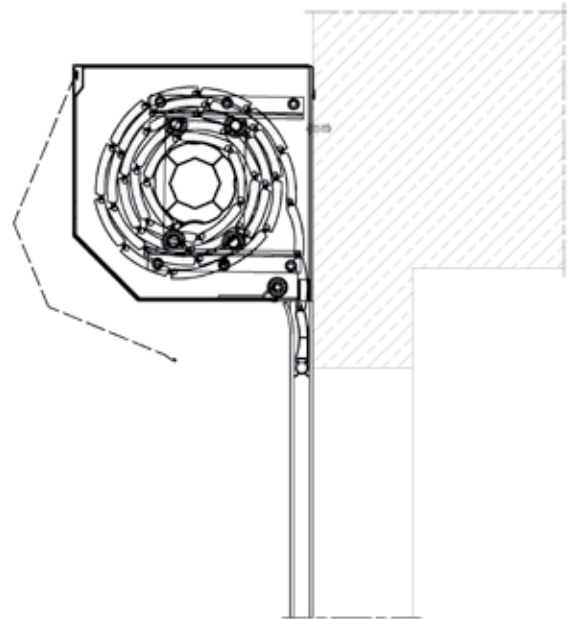


Gate system - installation examples

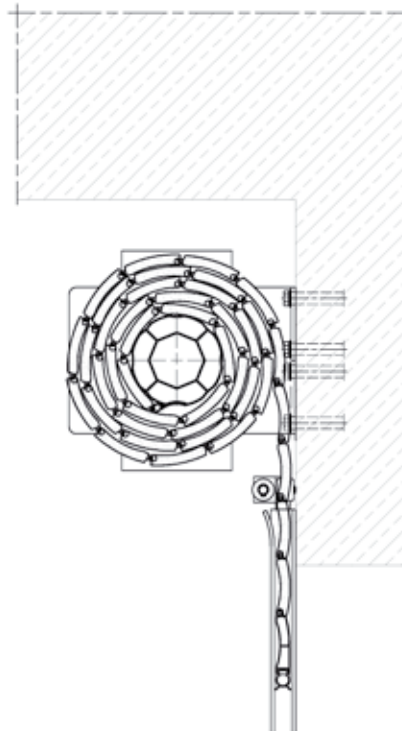
in SK 350 VARIAN 1



in SK 350 VARIANT 2



KNB driving console





### Comfort of operation

Industrial roller shutter doors provide primary protection for building apertures in industrial halls, warehouses or commercial and serviceproviding buildings against unauthorised entry, break-ins or weather conditions. These are external doors, situated behind the opening of the building, inside the facility. They may also be utilized as internal doors.

### Construction

The door curtain is made of PE 100 extruded aluminium profile. The shape and thickness of its walls were selected so that the curtain made from it is stable and resistant to mechanical damage. Profiles and guide rails are powder coated in a wide range of RAL colours. The curtain is rolled up into a steel winding tube sitting on the brackets that are its support and bearings. For doors mounted within the area of the header, attention should be paid to the minimum height of the header that is required to mount the door.

With regard to the type of applied brackets industrial roller shutter doors fall into two categories:

- sitting on travelling brackets: BPR/KNJ,
- sitting on fixed brackets: BPR/KNS.

### Comfort of operation

The industrial roller shutter door can be mounted in already existing facilities, as well as in those that are being erected. The door operation is controlled with a switch located inside the building. When necessary, the radio-wave control or other selected combinations of control devices can also be applied to improve the comfort of operation.

### Safety

In accordance with applicable standards, the industrial roller shutter door is standardequipped with the anti drop device. Can be retrofitted with protection against crushing when closing and motion sensing devices. In the event of power failure, the roller shutter garage door can be opened with the emergency manual drive.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

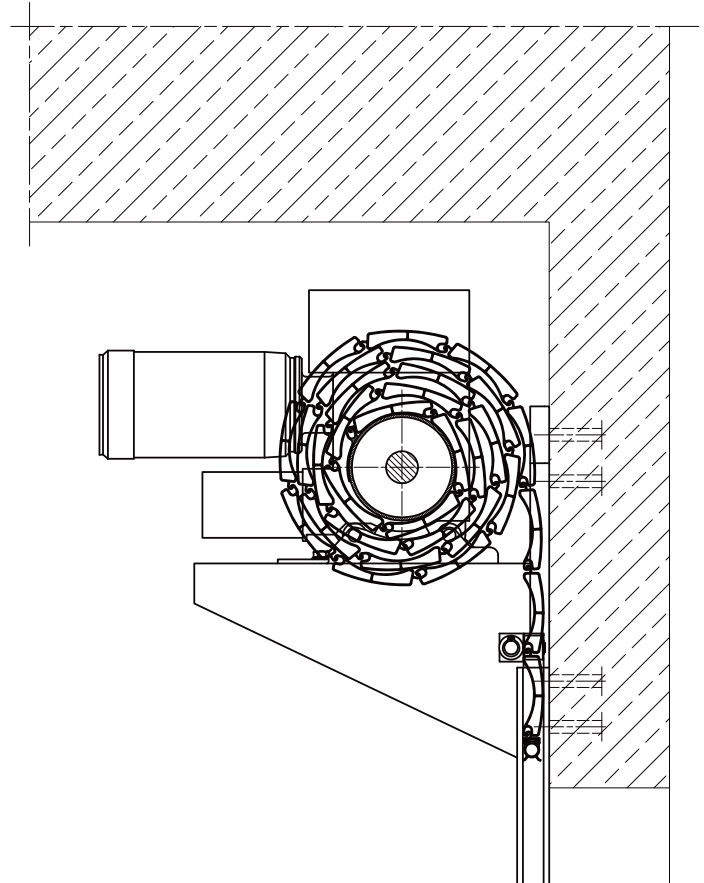
### Requirements

Industrial roller shutter doors of the ALUPROF systems have a Initial Type Testing, made by the notified body and rendered accessible recipients of systems.

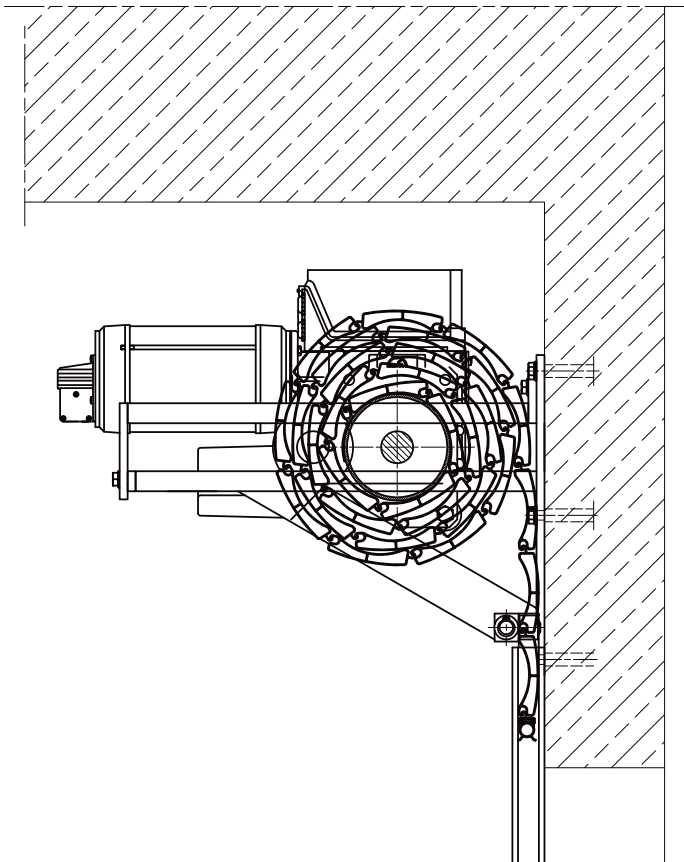


Industrial rolling gates - installation example

KNS Fixed console



KNJ Driving console







### Functionality

The rolling grille can be mounted in already existing facilities as well as in those that are being erected. The basic function of the rolling grille grating is to protect the facility and at the same time to:

- present shop window displays;
- provide proper ventilation in shopping arcades and underground garages;
- use glazing in the grating profile as an additional protection against wind and other weather conditions.

### Design

Depending on the overall dimensions and conditions of installation, it is possible to mount the rolling grille on brackets and in a box. The door curtain is made of extruded aluminium PEK 52, PEK 77, PEK 80 or PEK 100 grating profile. Profiles and guide rails are powder coated in a wide range of RAL colours. With regard to the manner of fitting a winding tube rolling grille falls into two categories:

- sitting on brackets: BKR/KNB,
- in a box: BKR/SK.

### Comfort of operation

The rolling grille is controlled with a switch placed inside or outside the facility. When necessary, the radio-wave control or other selected combinations of control devices can also be applied to improve the comfort of operation.

### Safety

In accordance with the applicable standards, the rolling grille is standard-equipped with the anti drop device. Can be retrofitted with protection against lifting, protection against crushing when closing and motion sensing devices. In the event of power failure, the rolling grille can be opened with the emergency manual drive. The electromagnetic brake of the grating drive and the locking hangers efficiently thwart any attempts to lift the curtain.

### Colour scheme

A wide range of colours in the standard colour chart allows for meeting the requirements of the most demanding customers. The colour finish of the surface is applied by powder coating.

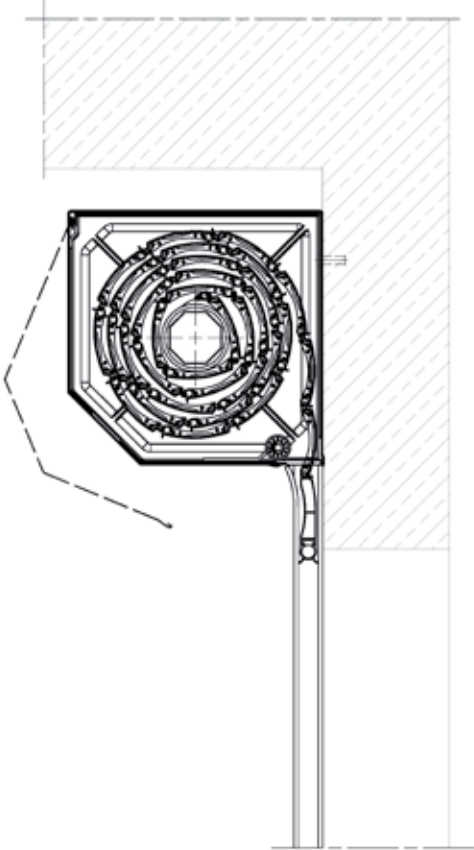
### Requirements

Rolling grilles of the ALUPROF systems have a Initial Type Testing, made by the notified body and rendered accessible recipients of systems.

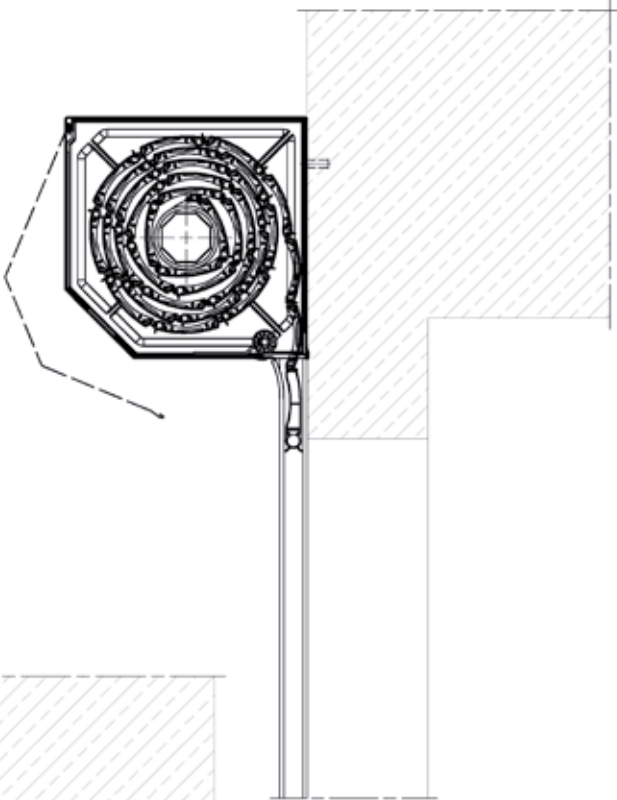


Commercial gate - installation example

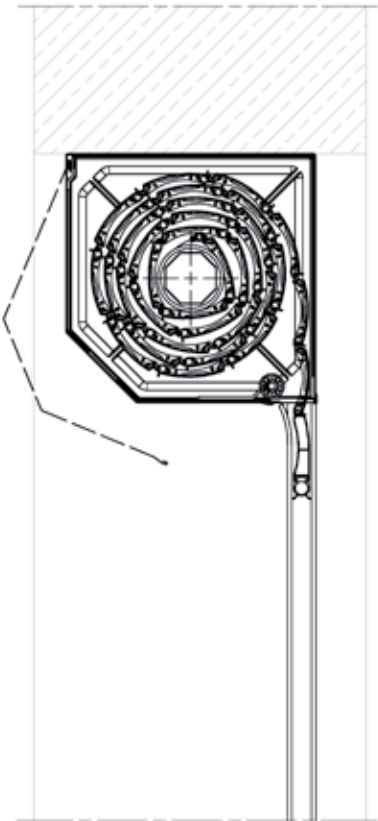
in SK 250 and SK 300 Variant I



in SK 250 and SK 300 Variant II

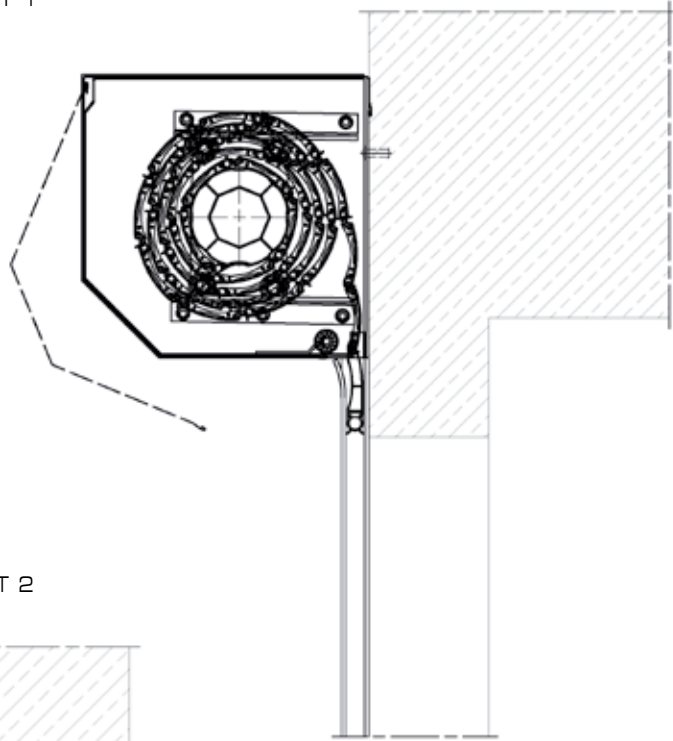


in SK 250 and SK 300 Variant III

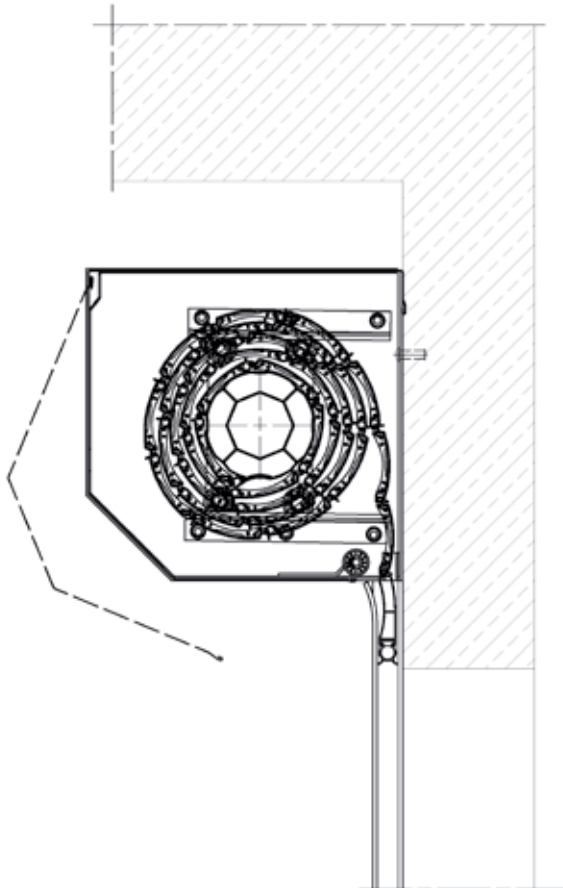


Commercial gate - instalation examples

in SK 350 VARIANT 1

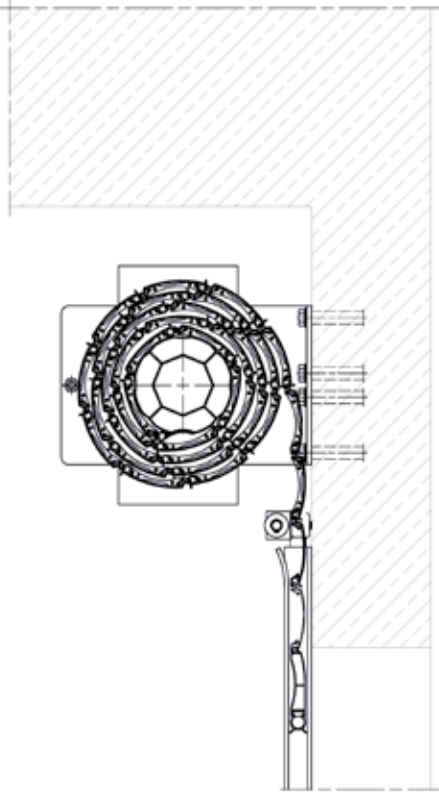


in SK 350 VARIANT 2

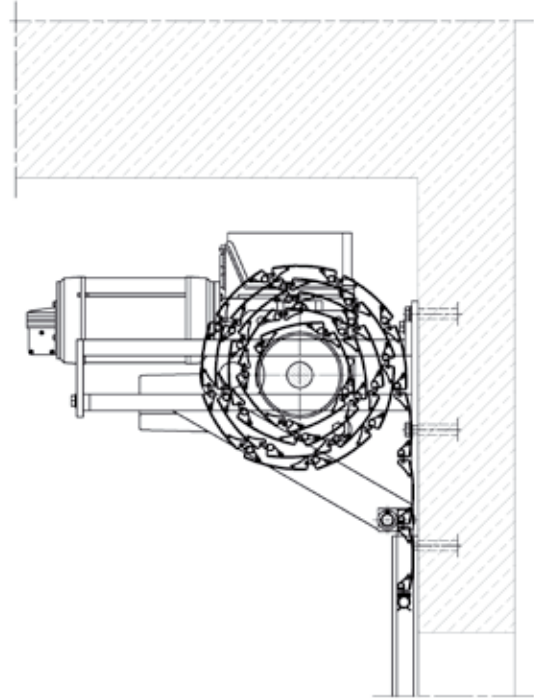


Commercial gate - instalation examples

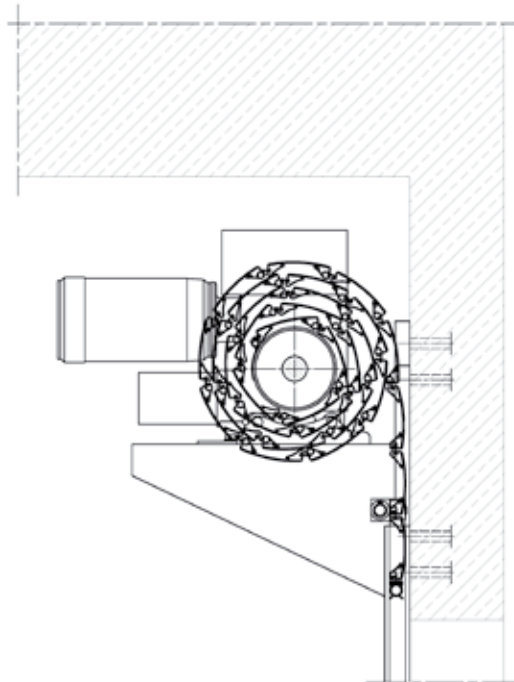
KNB console



KNJ driving console



KNS fixed console





**PA 37**  
Profile height: 37mm  
Thickness: 8,5mm



**PA 39**  
Profile height: 39mm  
Thickness: 9mm



**PA 40**  
Profile height: 40mm  
Thickness: 8,7mm



**PA 45**  
Profile height: 45mm  
Thickness: 9mm



**PA 52**  
Profile height: 52mm  
Thickness: 13mm



**PA 55**  
Profile height: 55mm  
Thickness: 14mm



**PA 77**  
Profile height: 77mm  
Thickness: 18,5mm



**PEK 52**  
Profile height: 52mm  
Thickness: 13mm



**PEKP 52**  
Profile height: 52mm  
Thickness: 13mm



**PEK 77**  
Profile height: 77mm  
Thickness: 18,5mm



**PEKP 77**  
Profile height: 77mm  
Thickness: 18,5mm



**PEK 80**  
Profile height: 80mm  
Thickness: 18,5mm



**PEKP 80**  
Profile height: 80mm  
Thickness: 18,5mm



**PEK 100**  
Profile height: 100mm  
Thickness: 25mm



**PER 77**  
Profile height: 77mm  
Thickness: 18,5mm



**PEW 77**  
Profile height: 77mm  
Thickness: 14,5mm



**PE 41**  
Profile height: 41mm  
Thickness: 8,5mm



**PE 55**  
Profile height: 55mm  
Thickness: 14mm



**PE 100**  
Profile height: 100mm  
Thickness: 25mm



**PER 100**  
Profile height: 100mm  
Thickness: 25mm

# ROLLER SHUTTERS AND ENERGY BALANCE OF A BUILDING

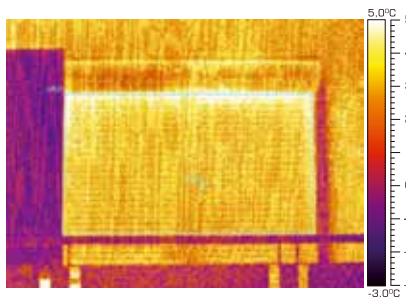


## Do you know that:

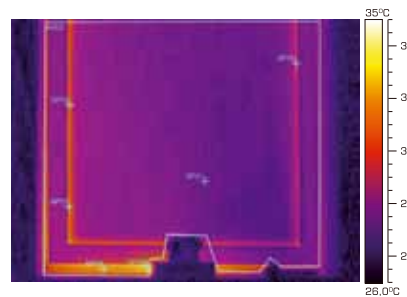
In winter, the windows and doors contribute to a loss of 25% of the heat and in summary they absorb the sunlight in 80%? To save energy during the winter and avoid excessive room's heating in the summer it is worth to apply the Aluprof roller shutters.

Aluprof roller shutters help to reduce energy costs during the whole year up to 30%.

## With Aluprof roller shutters



GAIN better insulation in winter



REDUCE the heat flow in the summer



# OPOTERM

INNOVATION, FUNCTIONALITY, VERSATILITY

PVC ROLLER SHUTTER SYSTEM

*Aluprof... passion from home*



206



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