

The advantages of Drutex roller shutters:

Uncompromising safety

The application of numerous solutions of blocking shutters raising and shutters control provides a barrier against thieves and burglars.

Perfect acoustic insulation

Roller shutters guarantee reduction of noise, ensuring silence and comfort.

Perfect thermal insulation

The application of top production materials represents and investment in energy-efficiency and in decreased energy consumption in the building, which significantly reduces heating costs.

Tests conducted at ITB Institute have confirmed that Iglo 5 window with $U_w=0,99 \text{ W}/(\text{m}^2\text{K})$ coefficient with drawn shutters has thermal transmittance coefficient at $0,75 \text{ W}/(\text{m}^2\text{K})$ level*.

Quality and aesthetics

Roller shutters are made of top components that enhance their perfect functionality and high aesthetics properties. They guarantee elegance and comfort in operation for many years thanks to the modern production materials and perfect manufacturing at all production stages.

Comfort and simple usage

The possibility to control roller shutters that match the Client's individual preferences, e.g. manually or with an electric engine. There is also the option of smart shutters control with a remote control, a tablet or a smartphone.

The beauty and aesthetics of the shutter armor

The aluminum armor of the shutter filled with polyurethane foam is available in the following colors: charcoal, brown, nut-brown, dark brown, golden oak, silver, grey, white, ivory. Additionally, there is a possibility to apply end slats in the same color, which significantly improves aesthetics of the whole roller shutter. High quality and the stability of the armor guarantee perfect energy-efficiency, durability and resistance to wind load.



The available color range of the armors:

01 silver	05 ivory	23 charcoal	61 moss green
02 white	08 dark brown	24 golden oak	62 grey aluminium
03 grey	09 brown	28 nut-brown	63 metallic brown

*for a window of 1500x1500 according to test of the ITB Institute

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Roller shutters

PVC, ALUMINIUM

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Types of Drutex roller shutters:

The system of external PVC shutters:

External PVC roller shutter is a system of shutters integrated with the window. It may be applied for buildings under construction or when exchanging windows. The wide color range of the boxes and guide rails made of PVC and of aluminum armors, as well as various roller drive and its protection options fulfill all Clients' demands. The modern system of external roller shutters guarantees high thermal and acoustic insulation. The possibility to order shutters with an integrated mosquito net is an added value.



Types of external roller shutters:

WITH BOTTOM REVISION

- available in 170 or 210 mm dimensions (the height of the box)
- enables a built-in internally and externally, so that the only visible parts are the roller guide and the aluminum armor, which improves the shutters aesthetics after installation
- access to the box for maintenance purposes is possible after the opening of the bottom revision

WITH FRONT REVISION

- available in 170 or 210 mm dimensions (the height of the box)
- the construction enables one-side shutter built-in, as a result it is invisible from the outside of the building
- maintenance work can be executed after opening the revision at the front of the box inside the building



The system of adaptation aluminum roller shutters

The system of external aluminum roller shutters has been designed for already existing buildings or buildings under construction. The roller shutter is made of aluminum and it is available in various shades of RAL palette and wood-like colors. The armor, made of aluminum profiles, filled with polyurethane foam, is rolled inside the box fitted on the wall or in the window frame. The box constitutes a decorative element and it matches the architecture of the building. There is the possibility to build in a mosquito net integrated with the roller shutter.

Types of adaptation shutters:

SHUTTER OF 45°

- available in 137, 165 and 180 mm dimensions (the height of the box)
- is characterized by the special cut-off box that removes the right angle
- available in selected colors from the RAL color range

- construction elements
- the color of aluminum armor matches the color of the box according to selected colors from RAL range

RECESSED ROLLER SHUTTER

- available in: 137, 165 or 180 mm dimensions
- may be assembled in a number of ways thanks to the opening valve at the bottom of the box
- possibility to assemble it at the front of the box
- available in selected colors from the RAL color range

OVAL ROLLER SHUTTER

- available in: 142x147; 170x175; 185x190 mm dimensions (the height of the box)
- the oval shape matches perfectly the delicate

Smart control systems

The most convenient solution is definitely RTS radio control.

This type of control enables to steer the rollers centrally or individually. Various groups may be created, e.g. to control the shutters on the eastern and western side of the building separately. It is also possible to control them from different places and change them according to one's preference. What is more, they may open and close by themselves at selected times of the day even when we are out, which improves our safety. The smart solutions in shutters control also include atmospheric sensors, which allow an uncompromised comfort in case of weather change.

The application of the electric drive in the roller shutter significantly improves its advantages, mainly the ease of use and energy-efficiency.



There are a few ways to raise and close roller shutters easily:

- **manual** - with a belt, a crank, or a belt with crank gearing
- **automatic** - by a remote, a key or switch controls
 - **wire**
 - individual steering
 - system offers remote control system
 - **wireless**
 - RTS radio steering system
 - the system enables to expand the installation at any time
- **smart control with the use of a remote control, a tablet or a smartphone**



Did you know that...

External roller shutters are a perfect solution all year round, they are a great idea for summer and for winter. In summer they protect against overheating of the rooms, and in winter - against heat loss. Additionally, they may constitute an anti-burglary protection. External roller shutters constitute an integral part of modern construction technology thanks to their functionality.