

## The advantages of Drutex roller shutters:

### Uncompromising safety

As a result of application of numerous solutions of blocking shutters raising and shutters control, the roller shutters improve the building safety level.

### Perfect acoustic insulation

Roller shutters guarantee reduction in the perceived noise, ensuring silence and comfort thanks to their stable structure and high-quality components used in the production.

### Perfect thermal insulation

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

Tests conducted at ITB have confirmed that IGLO 5 window with drawn shutters had thermal transmittance coefficient at 0,75 W/(m<sup>2</sup>K) level\*.

### Quality and aesthetics

Beautiful style, innovative approach to design and roller shutters functionality constitute their key strengths. They guarantee elegance and comfort in operation for many years thanks to the modern design solutions and perfect manufacturing at all production stages.

### Usage comfort

We offer a possibility to control roller shutters with a remote control, a tablet or a smartphone, manually or with an electric engine, which allows to use the roller shutters with ease and comfort.

\*for a window of 1500 mm x 1500 mm according to the ITB test

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# Roller shutters

PVC, ALUMINIUM

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# The system of external PVC shutters

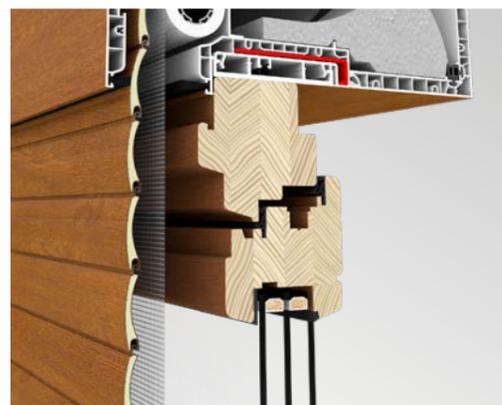
External PVC roller shutters is a system of shutters integrated with the window. It may be applied for buildings under construction or when exchanging windows. The wide color range of the boxes and guide rails made of PVC and of aluminum armors, as well as various roller drives and protection fulfill all Clients' expectations and the requirements of modern construction.

The system of Drutex external shutters enables a built-in internally and externally, so that the only visible parts are the roller guide, the aluminum armor and the bottom revision cover, which is an expression of modern construction and is in line with current trends in design.

Drutex external roller shutters are the work of own research and development department. We applied numerous innovative solutions that ensure both comfort and perfect parameters in energy efficiency.

## Did you know that ...

We offer the possibility to integrate the roller shutters with various window systems, including the aluminum or wooden systems, thanks to the application of a special adapter.



## System specification

NEW

**The reinforcement console in Drutex roller shutters is made of plastic (so called warm)**, unlike steel consoles offered by other producers, it significantly improves the system energy efficiency parameters and it allows to obtain the optimum structure rigidity

**The shutter closing, made of aluminum profiles**, enables to open it and it ensures additional reinforcement.

NEW

**The roller shutter adapter – an original design of a lath that connects the roller shutter with the window in Iglo 5, Iglo Light and Iglo Energy**, equipped with EPDM seal. It guarantees optimum tightness and allows to obtain perfect parameters in thermal insulation and air permeability.

**Specially designed reinforcement** ensures optimum system rigidity, as well as resistance to wind pressure and suction.

**The slats 37mm, 42 mm and 55 mm wide** filled with insulating foam, are available in various color range.

**Depending on the installed window and the applied adapter** the boxes are 215 mm high for Iglo 5 and Iglo Energy systems, and 225 mm high for other Drutex systems.

**The roller shutter was designed** in a way that the installation of the mosquito net is possible on the outside and on the inside of the roller shutter armor.

**Access to the box** for maintenance purposes is possible after the opening of the bottom of front revision.

**The roller shutter equipped with electric drive with detection** improves usage safety level.

# 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. Its stable structure ensured by the application of high-quality materials and thoughtfully designed construction, the work of own research and development department, allows to match any architectural style. Thanks to high thermal insulation Drutex aluminum roller shutters constitute a great energy efficient barrier and they are suited for thermal insulation and passive constructions.

## Types of adaptation roller shutters



### 45° ROLLER SHUTTER

- available in: 137, 165 and 180 mm (the box width and height)
- is characterized by the special cut-off box that removes the right angle



### OVAL ROLLER SHUTTER

- available in: 139x145; 167x171; 182x190 mm (the box width and height)
- the oval shape matches perfectly the delicate construction elements



### RECESSED ROLLER SHUTTER

- available in: 137, 165 or 180 mm (the box width and height)
- 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



## System specification

- The box constitutes a decorative element** and it matches the building façade thanks to the wide color range.
- Access to the box** for the 45° and oval roller shutter is at the front, and for the recessed roller shutter – at the bottom, which enables to build it in completely.
- The box and the guide** are available in the wide RAL color range and woodgrain colors. Thanks to that, roller shutters stand out for aesthetics and modern look.
- The armor is made of aluminum profiles**, filled with polyurethane foam, is rolled inside the box fitted on the wall or in the window frame, which improves the system energy efficiency qualities.
- The end slat** is available in various colors in the RAL color range, which improves consistency and elegance of the structure.
- There is the possibility to install a **mosquito net integrated with the roller shutter**, which determines higher functionality and usage comfort.

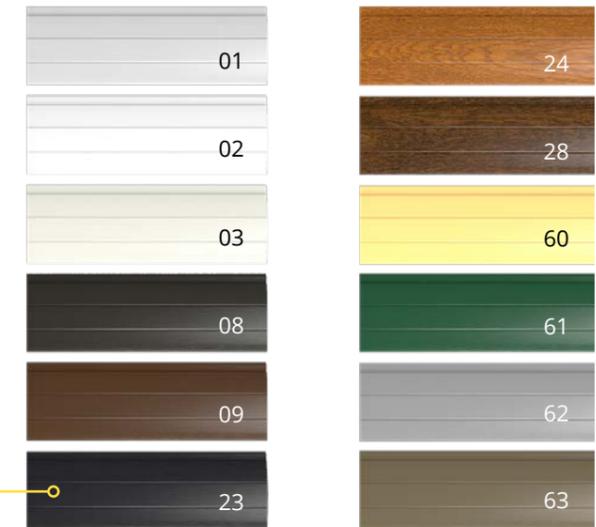
### Did you know that...

Drutex aluminum roller shutters perfectly comply with requirements of smart building. The possibility to control roller shutters with a tablet, a smartphone or a remote control and connect them with the alarm system improve the woodwork usage comfort and determine their safety level.

# Modern design

Roller shutters more and more often are applied both in modern construction as well as classic structures. Their numerous advantages regarding safety, usage comfort and elegant design determine popularity of this solution. Thoughtfully designed structure of Drutex external roller shutters is the work of own research and development department and it ensures great system functionality.

Aluminum slats of the roller shutter, filled with polyurethane foam, are available in wide color range that allows to match the roller shutter to the building style. There is a possibility to apply end slats in the same color, which significantly improves aesthetic qualities and the look of the whole roller shutter. High quality and the stability of the slats guarantee perfect energy efficiency, durability and resistance to wind load. Additionally, the wide color range of the roller shutter slats determines its elegant finish and the solution's aesthetics.



### The armor color range 37 mm:

- |               |                   |
|---------------|-------------------|
| 01 silver     | 24 golden oak     |
| 02 white      | 28 nut-brown      |
| 03 grey       | 60 ivory          |
| 08 dark brown | 61 moss green     |
| 09 brown      | 62 grey aluminum  |
| 23 charcoal   | 63 metallic brown |



### The armor color range 42 mm:

- 01 silver
- 02 white
- 03 grey
- 08 dark brown
- 23 charcoal
- 60 ivory

### The armor color range 55 mm:

- 02 white
- 03 grey
- 08 dark brown
- 23 charcoal
- 60 ivory

# Smart systems

Equipping the roller shutter with the option of smart control with a remote control, a tablet or a smartphone is gaining more and more popularity with Clients. It allows to control the system remotely, when we are out. There is a possibility to open and close the roller shutters individually or in groups as well as with a timer, and to integrate them with other smart systems at home. It is an investment in usage comfort and top functionality.



## Wire control

For individual wire control we use a switch or key control and automatic central and time control devices. There is a possibility of manual control of the roller shutter with a belt, a crank, or a belt with crank gearing. By a simple switch exchange with a built-in radio set we may also complete the steering with a remote control.



## Wireless control

By far the most comfortable solution is RTS radio control that allows to steer the roller shutters 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 points and change them according to one's preference. Smart control includes roller shutters steering with a remote control, a tablet or a smartphone, which is particularly convenient when we are out and it enables full control of the system.

The smart solutions in shutters control also include atmospheric sensors, which allows for uncompromised comfort in case of weather change.



# Tradition and experience



## Experience

Drutex has been producing systems of PVC and aluminum roller shutters for over 20 years. The original structures are the work of our own research and development department. Full control over the production process enables constant quality supervision and care for each detail of the technological process. Drutex roller shutters stand out for quality and functionality that respond to Clients' needs, and long-time experience is reflected in their reliability and modern design.



## Service

Professional and efficient service is Drutex' showcase. The company has gained trust and great reputation for years, in Poland and abroad, offering high-quality products and quick and comprehensive service of its products all over Europe.



## Guarantee

Warranty of a few years for PVC and aluminum roller shutters is a guarantee of their comfortable usage and it proves the company responsibility for the product. This solution ensures safety and usage durability for years.

