ROLLER SHUTTERS
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ROLLER
SHUTTERS

MAXIMUM PROTECTION
INDIVIDUAL LIGHT
IDEAL INDOOR CLIMATE
I feel comfortable and safe.

Protected from heat, cold, light and noise, curious glances and uninvited guests.

Hella adds a new dimension to the roller shutter:

Our roller shutters offer perfect protection and allow the individual control of light and indoor climate. We combine safety and well-being.
WELL-BEING
THE PERFECT TEMPERATURE FOR YOUR WELL-BEING

WINTER

When closed, HELLA roller shutters create an air cushion in front of the glass and thus prevent the circulation of air. This way, a roller shutter reduces the heat loss through the window by up to 30 % and you significantly reduce heating costs.

SUMMER

HELLA roller shutters shield up to 85 % of the heat of the sun and often replace an air-conditioning system. Modern daylight roller shutters still allow comforting light to enter the room.

Your HELLA benefits for this product:

- Heat and cold remain outdoors.
- Less heating in winter
- Less cooling in summer
- Up to 30 % less energy loss through the window

LESS HEATING ENERGY IN WINTER

Without sun protection:
In cold temperatures windows and glass facades function like a thermal bridge: The warm air escapes and it becomes unpleasantly cool in the living area.

With sun protection:
When the sun protection is closed, an air cushion is created in front of the glass, which prevents the circulation of air. As a result, the warm air stays inside the living area and keeps the cold air outside.

LESS COOLING ENERGY IN SUMMER

Without sun protection:
Heat can enter the living space without hindrance. The temperature inside the room is unpleasantly high.

With sun protection:
Due to the air circulation between the sun protection and the window, the heat transfer via convection is largely prevented.
Round, square, slanted or quadratic - you can select one of these four different front-mounted roller shutter box shapes suitable for your house. Thanks to intelligent technology, we create unrivalled small boxes, which facilitate the installation and mostly prevents the roller shutter box from being visible from the inside. The genius of this principle is that the roller shutter can be installed quickly, without problems and functions as a climate buffer like an additional pane. Moreover, all drive types and the upgrade with the insect screen are available for the front-mounted roller shutter.

FLEXIBLE AND INDIVIDUAL

nova NVR\(^1\) | NWR\(^2\)
\(^1\) Square box 27°, roll formed
\(^2\) Slanted box 45°, roll formed

nova NQS\(^3\) | NVS\(^4\) | NWS\(^5\)
\(^3\) Quadratic box, extruded
\(^4\) Square box 27°, extruded
\(^5\) Slanted box 45°, extruded

nova NRS\(^6\)
\(^6\) Round box, extruded
FRONT-MOUNTED ROLLER SHUTTERS
BY HELLA

nova NRS⁶
With insulation

nova NQS³ | NVS⁴ | NWS⁵
With insulation
The plaster base elements technically equal the front-mounted roller shutter. However, they are integrated in the wall and thus no longer visible. The box of the roller shutter is enclosed by a "plaster base". This has great advantages: The box can be perfectly plastered after the installation in the lintel opening and thus can be invisibly and seamlessly integrated into the facade. Additionally, the plaster base roller shutter achieves a thermal separation between roller shutter and wall. This avoids thermal bridges and energy loss.
Your HELLA benefits for this product:

- Additional insulation
- Thermal separation between roller shutter and wall
- No thermal bridges occur
- Available for all models

Additional insulation options

Box

+ 20 mm EPS 30
+ 40 mm EPS 30

Guide rail

20 mm insulation
40 mm insulation
Built-in roller shutters are profitable in several ways for architects and builders: They save time and costs during construction, but also with further maintenance tasks. As a standard, HELLA installs a telescopic shaft that guarantees easy service.

The structural benefits of an uncompromising integration of the sun protection in the wall are excellent. There are no weak spots, boxes and guide rails are installed flush, the energy efficiency and the versatility of the solutions are captivating. Top-mounted or in the window lintel, maintainable from the in- and outside, with integrated insect screen, toggle catches and intelligent controls – built-in roller shutters can do a lot and are unrivalled as “climate buffers”.

**QUALITY THAT PAYS OFF**
BUILT-IN ROLLER SHUTTERS
BY HELLA

ADVANTAGES

Your HELLA benefits for this product:
- Can also be installed in already existing recesses or niches.
- Saves time and costs for construction and maintenance.
- High energy efficiency due to perfect integration into the wall.

BUILT-IN ROLLER SHUTTER
IN THE TRAV Aktiv
with optional insect screen

BUILT-IN ROLLER SHUTTER
IN THE TRAV frame
with optional insect roller screen
SHOW SOME PROFILE!

DAYLIGHT PROFILE – INDIVIDUAL ADJUSTMENT
The diffuse intermediate profiles enable a streak-free incidence of light while protecting your privacy. Heat, cold and noise remain outdoors!

ALUMINIUM PROFILES – THE CLASSICS
The hollow space of the double-walled, roll formed aluminium profile with light gaps is foamed with polyurethane. The profiles are coated with thick lacquer, the blind is locked over the entire height.

PLASTIC PROFILES – THE FUSS-FREE ONES
The double-walled plastic profile – the tried and tested and sturdy classic.

SAFETY PROFILE – THE LOCKED ONE
The double-walled, extruded and extremely stable aluminium profile (37x8.5 mm) with light gaps is foam-free and is characterized by the especially thick profile. The profiles are coated with thick lacquer, the blind is locked over the entire height.

<table>
<thead>
<tr>
<th>Limit sizes</th>
<th>T37</th>
<th>A37</th>
<th>AV42</th>
<th>A52</th>
<th>K37</th>
<th>K52</th>
<th>S37</th>
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<td>Profile thickness [mm]</td>
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<td>8.2</td>
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<td>Weight [kg per m²]</td>
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<td>3</td>
<td>3.5</td>
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INSECT SCREEN SYSTEMS
BY HELLA

moscita
INSECT ROLLER SCREEN
The moscita roller screen made of weatherproof plastic-coated fibre-glass offers reliable protection against insects. The system is provided with an Easy-Click lock and retrofitting is also possible with existing roller shutter boxes.

ISTR
The ISTR is an insect roller screen that is completely integrated in the lintel box. Brushes in the guide rails prevent insects from getting behind the fabric.

ISKTR
The ISKTR is an insect roller screen for the installation in a lintel system. Like the ISTR it is safely guided with brush seals in guide rails behind the roller shutter.
Profiles and guide rails form an inseparable unit. HELLA guide rails expand the overall system of individual roller shutter solutions by other important functions.

- **Saving energy:** Guide rails with additional insulation
- **Burglary protection:** Safety guide rail “Top-Safe”
- **Insect screen:** Multi-function guide rail

The safety roller shutter has a reinforced guide rail with a unique screwing technology. The energy saving roller shutter has a guide rail with distancing in order to achieve an air cushion as large as possible between the window pane and the roller shutter and an additional insulation body to avoid thermal bridges. The insect screen guide rail has a second guide level for the insect screen.

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**TIGHTNESS AGAINST DRIVING RAIN**

* for guide rails

An affixed sealing tape forms a seal between the guide rail and the mounting base. This way, your doors and windows are perfectly protected against seeping rain water.

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**DISTANCE GUIDE RAILS**

STANDARD | WITH ADDITIONAL INSULATION

The distance between window and roller shutter creates an air cushion that functions as a climate buffer and noise insulation.

- 20 mm insulation
- 40 mm insulation

---

**ALWAYS IN THE LEAD**

EASY TO MAINTAIN END ROD

Thanks to the rotating, telescopic stoppers, the roller shutter curtain can be uninstalled at any time. With this system repair work becomes a cinch. Modifications like installing the insect roller screen can thus easily be carried out.

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*available with built-in roller shutters and plaster base elements*
HELLA roller shutter systems are high-quality and durable overall solutions tailored to your individual needs.

Reinforced safety guide rail with additional safety device against removal

Handy, nice and sturdy: integrated protection against teasers.

nova

toggle catch
for front-mounted and built-in roller shutter

The toggle catch provides perfect view and sun protection, combined with both controlled entry of light and ventilation. The toggle catch can be operated from the inside and is equipped with a sealed chain drive. It is available either with a pneumatic spring mechanism or a slidable lattice grate.
SAFE AT HOME
**SAFE AND ROBUST**

Reliable protection against uninvited guests and maximum convenience with the operation – the Top-Safe is a roller shutter that offers safety at the push of a button. It can be controlled via the HELLA building control or radio. It has a roller shutter curtain made of extruded aluminium and reinforced guide rails with a safety device against removal.

**BENEFITS**

Your HELLA benefits for this product:
- Patented lift-up protection
- Double neoprene and steel insert in the end rod
- Stable guide rails with safety device against removal
- Roller shutter curtain made of reinforced, extruded aluminium

**SAFETY COMPONENTS**

- Lift-up protection
- Security roller shutter profile
- Box strengthening bracket against removal of the box
- Strengthened end rod with double neoprene and steel insert
- Reinforced security guide rail with safety device against removal
The principle is not new. Box-type windows of former generations used air cushions as climate buffers. Modern roller shutters perfect this principle. As a "third pane" they create a highly effective, air-filled climate zone that reliably blocks both heat and cold. Our roller shutters are efficient climate buffers that sometimes replace heating and air-conditioning systems completely, in any case, however, lower the energy demand significantly. This saves money, protects the environment and improves the indoor climate. For sure a good feeling.
SAVING ENERGY

Roller shutters are perfect "climate buffers".

Don’t pour your money down the drain! You protect the environment and feel comfortable.
ONYX®
THE SMART HOME SYSTEM FROM HELLA

The Smart Home System ONYX.HOME was specially developed for the operation of sun protection products. Venetian blinds, outdoor blinds, awnings and roller shutters are conveniently controlled via smart phone, tablet, hand-held radio transmitter or even fully automatic.

All sun protection products are graphically displayed in the free ONYX® app. The position of the sun screen is already visible during control. All products can be visually marked with colours in the app. In addition, it is possible to assign names for each individual cover for easier identification and operation.

Controlling the sun protection products via pushbutton or the hand-held radio transmitter ONYX.CLICK is also possible. This gives children or guests, who have no access to the app, the possibility to operate the sun protection product.

ADVANTAGES

Your HELLA benefits for this product:
- Easy configuration: scan and get started
- Live feedback on position and movement of the sun protection product
- Automatic functions are individually adjustable for each sun protection unit (wind/sun/astro/time/night)
- Also easy and inexpensive for renovation
- Security through transparent access control
- Routing function for the best possible data transmission due to reliable forwarding of the signals
- Secure encryption between devices and smartphone/tablet
ONYX.CENTER
The center box serves as an interface between smart phone and the individual control devices and communicates via a wireless radio connection. It transmits radio commands bidirectionally so that the exact current position of the sun screen is displayed via the live feedback in the app.

ONYX.CONNECTOR
The ONYX.CONNECTOR is situated next to the motor of the sun protection product. It is controlled via the app or the hand-held radio transmitter ONYX.CLICK.

ONYX.NODE
The ONYX.NODE is mounted behind the pushbutton in the wall and connected to the motor cable. In this way the sun protection product can be controlled via the pushbutton, the app or the hand-held radio transmitter ONYX.CLICK.

ONYX.WEATHER
The weather sensor ONYX.WEATHER logs the external weather influences such as wind speed, sun intensity and temperature on the facade.

ONYX.CLICK
ONYX.CLICK is the hand-held radio transmitter for the control of sun protection products. It serves as an extension for the center box ONYX.CENTER, but it can also be used without the box in stand-alone operation.

AUTOMATIC FUNCTIONS
ONYX.HOME has numerous automatic functions that can be set individually for each sun protection product. Running the time and astro programme is possible without additional accessories. Wind and sun-based functions require measured data from an ONYX.WEATHER weather sensor.
COLOURS FOR ROLLER SHUTTER PROFILES

- **RAL 9016** Normal white
- **RAL 9006** White-aluminium
- **RAL 9007** Grey-aluminium
- **RAL 7035** Light grey
- **RAL 1015** Light ivory
- **Colour no. 6104** Light oak
- **RAL 7038** Agate grey
- **Colour no. 0003** Beige
- **VSR 0110** Dark beige
- **VSR 0780** Bronze
Good design is the combination of shape and function, technical perfection and visual aesthetics. HELLA roller shutters are available in a wide range of colours, colourful as life itself. Colours are emotions and reflect the style of buildings and rooms. Whatever a building shall express, howsoever the personal preference is pronounced – we have the roller shutter that suits the architecture and the attitude towards life of our customers.

- Colour no. 6105
  Golden oak

- Colour no. 0011
  Mahogany

- RAL 8014
  Sepia brown

- VSR 0330
  Purple red

- RAL 6005
  Moss green

- RAL 7016
  Anthracite-grey

- Colour no. 0044
  Walnut

- RAL 8077
  Dark brown

- DB 703
  Anthracite Iron mica

For technical reasons, slight deviations of the colours shown to the original colours are possible. Because of different procedures in the production, colour differences due to different profile materials cannot be avoided. Likewise, colour tolerances cannot be ruled out.
From the first venetian blind that was produced in East Tyrol in 1959 to the high-tech control devices for the intelligent house of the future, we are driven by only one desire: To develop something really good. Since then the brand HELLA convinces with innovative strength and a large variety of products – all of top quality and perfect function. Today, HELLA is an internationally significant initiator for the development of sustainable systems for sun and weather protection. Whether for a single-family home or a large project – we are always close to our customers.
Your HELLA benefits

- Perfect support due to many specialist shops and selected retail partners
- High-quality expert advice from qualified sales assistants
- Best price-performance ratio
- Service provided by trained technicians
- Comprehensive guarantees
- Finest product quality due to development and production at our own premises
- Ecologically oriented quality with maximisation of energy savings
- Successful since 1959