SBI Ltd (Sun Blinds Installations) www.sbiproducts.co.uk





Doller shutters that meet all your requirements

Looking for the most attractive, reliable way to lock up the windows in your home or business? Harol roller shutters are the ideal solution. Without exception they are strong, user-friendly and have a contemporary design. They will help to reduce your energy bills and shield you from noise, heat and cold. So if you are looking for a higher level of comfort, an increased sense of security and a design that suits the style of your home or business, then look no further, because Harol roller shutters are always the best!

Harol is pure enjoyment!



INSTALLATION BY PROFESSIONALS



REQUIRES LITTLE



MADE TO MEASURE



CONTEMPORARY DESIGN



TOP-QUALITY
BELGIAN
PRODUCT



ROBUST WARRANTY



HEALTHY INDOOR
CLIMATE



P6	Silensio TM , ultrasilent roller shutter The latest generation of roller shutters	P16	Flush-mounted roller shutter Generous with comfort, economical with energy
P8	Make the switch! Discover the many benefits of electric roller shutters	P22	Built-in roller shutters Sleek look, huge advantages
P10	Surface-mounted roller shutters Maximum comfort with	P26	Built-on roller shutters One solid, robust unit integrated in the window frame
	minimal adjustments	P30	Slat types & colours
		P32	Accessories A world of options and accessories

Outstanding enjoyment with Harol

New build or renovation? Classic or modern? Our solutions are outstandingly versatile and perfectly adaptable to suit your family, architectural style and type of building. Moreover, they effortlessly meet the increasingly stringent requirements in terms of comfort, safety and energy efficiency. For three generations we have been building on our experience in sun protection, roller shutters and outdoor solutions, and it shows!

In addition to creating a lasting value, Harol is also a real trendsetter. We are continuously innovating and perfecting. This is the only way we can succeed in our mission: by ensuring you can enjoy a customized solution that offers you everything. And only the best is good enough!

Annick Draelants CEO Harol



Whichever solution you choose, you benefit fully from these advantages:



Comfort

The motorized Harol solutions guarantee ultimate user comfort. Using a remote control, smartphone or tablet; one command operates all our products. Are you looking for 100% trouble-free operation? Opt for automatic controls. This solution will take care of all the controls. You can relax, as the settings are always optimal.



Security

Harol products not only add character to your home, they also protect your family from unwanted visitors. Our specially-developed security packages go even one step further. Smart solutions, robust equipment and automatic contro systems provide even more barriers. And during extended absences these will give the impression you are still at home. This way no one can jeopardize your sense of security.



Design

Our extensive range of roller shutters, sun protection and outdoor living products complements the most diverse architectural styles, from classic to ultramodern. We customize every solution. Choose from more than 300 RAL colours, scratch-resistant textured coatings and colour foils (only for our gates). We know how to harmonize our solutions with your living style.



Energy efficiency

Save resolutely on your energy bills with Harol's energy-efficient solutions. Our solutions keep abreast of the increasingly stringent requirements regarding energy consumption. Thus, the innovative elements we incorporate, are the optimal solution for shutting out sun and cold. For maximum efficiency, our solutions can be programmed to respond to the many diverse weather conditions.

These features - along with the largest selection on the market - make our solutions the ultimate reference...

Genuine must-haves!

Devolutionary!



The latest generation of roller shutters:

SilensioTM

World-class innovation

The Silensio[™] roller shutters combine the new generation Somfy motor with the innovative roller shutter technology by Harol, resulting in a focus on ease-of-use, durability, energy-savings and security. These new roller shutters are smarter, but above all quieter. Much quieter. And with a 40% longer lifespan, they are also the most reliable on the market. Who can resist these benefits?

Superior living comfort

The Silensio™ roller shutter represents a new generation of roller shutters that is almost imperceptibly present in your home. The ultra-quiet tubular motor is quieter than any other household appliance! With an almost inaudible 'soft start & stop' function, the typical sound of slats clattering together is eliminated. Also, there are two speed settings, depending on the home owner's requirements. The obstacle detection function is extremely sensitive and will take effect immediately when needed.

two speed options

ultra silent

soft start & stop

lift security system

frost protection

> Ultimate comfort with a Silensio™ roller

shutter



superior obstacle detection



HAROL

QUIETER. SUSTAINABLE. MORE SECURE.



Ultimate comfort

Make the switch!



Discover the many benefits of electric roller shutters

You can opt for manual operation using a tape or crank, but nothing is as easy, comfortable and efficient as an electric motor. One press of the button, and your electric shutter opens or closes, quickly without applying any muscle power.

For even greater convenience, security and energy-savings, we recommend the io-homecontrol® system. This genuinely offers the ultimate in comfort!



Timer



Hand-held transmitter



Wall transmitter



Smartphone or tablet



somfy.



Why is io-homecontrol®* a must-have?

- Thanks to io-homecontrol® technology by Somfy, you can control and monitor the position of your roller shutters remotely.
- One instruction on your smartphone is sufficient to roll down your shutters.
- Rolling down your roller shutters becomes an easy reflex, making your home more secure in an instant.
- You can set up scenarios before leaving your home, for example for bedtime etc.

You can choose between five types of motors, each with numerous benefits:

Standard electric	RTS	io*	Silensio™	Solar
 ✓ No tape or crank required ✓ More ease of operation ✓ One push of a button is sufficient 	 ✓ Radio-controlled ✓ Wireless transmitter (wall transmitter, manual operation) ✓ Timer options ✓ Obstacle detection ✓ Frost protection ✓ Intruder-proof ✓ Home automation with Tahoma Switch available ✓ + All the benefits of a standard motor 	 ✓ Extra security due to feedback to the transmitter ✓ Option to set scenarios ✓ Detailed automation options ✓ Worldwide operation with status update** ✓ + All the benefits of an RTS motor 	 ✓ Ultra-silent ✓ 40% longer lifespan ✓ Optional 2 speeds ✓ Soft start & stop ✓ Superior obstacle detection ✓ + All the benefits of an io motor 	 ✓ 100% solar-powered ✓ Powerful 2.2 Ah battery ✓ Battery stored in the box as standard ✓ Superior obstacle detection ✓ Frost protection

^{*} To control the roller shutters with io-homecontrol® you need a TaHoma Switch.

^{**} Operation from a smartphone and/or tablet with a status update of all connected products.





Surface-mounted roller shutters

Are your windows not ready to be replaced yet? Then surface-mounted roller shutters could be the answer. Even if you did not have shutters fitted when your new home was built, there is no need to worry! Harol surface-mounted roller shutters can be fitted at any time, without the need for elaborate reconstruction or demolition work.

Why not install roller shutters? They will provide extra comfort all year round! In winter they keep in the heat, and on hot days your house is kept comfortable and cool. Roller shutters not only shut out the outside light, they also reduce street noise. And best of all: this investment pays for itself. Your house is more insulated, so you spend less on heating or cooling. Add to that the additional privacy factor, and an increased sense of safety, which means you will never want to be without your shutters again!

-> Suitable for small and large areas

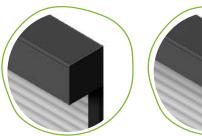
Surface-mounted roller shutters HAROL



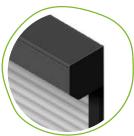
VR150, VR200 and VR150 Silensio™



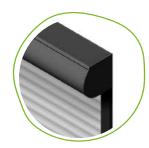
Opt for either a modern or classic look







Bevelled box VR150, VR200



Rounded box VR150

Benefits

- Sleek design
- Standard in aluminium
- Extruded aluminium option for VR150 (only applies to the bevelled box)

Benefits

- Classic look
- Standard in aluminium
- More light



Impressive colour palette

Coordinate your colours and match the shutters to your exterior joinery. Box, guide rails and bottom lath are standard available in all RAL colours (K-250 RAL range) together with a wide range of contemporary colours in textured coating. Imitation wood look also available for the VR150.

Choice of 6 different guide rail types

Your home situation, the type of box and your personal preferences determine the type of guide rail you require. Below is our wide range of guide rails, with an explanation of the best guide rail for a particular situation.



Flat rail



Perfectly matches the rounded box



Ideal to place on the window frame



For added comfort



For peace of mind



For installation in the window opening

Surface-mounted roller shutters



VR150 Solar and VR200 Solar





Use free energy

A Harol Solar roller shutter operates completely independently on solar energy and has an excellent performance, even in less than ideal weather circumstances.

Other strengths are:

- Ready to use: the charged battery runs immediately after installation
- · Greater ease of use with the wireless, radio-controlled motor
- Heat and cold resistant: battery operates in temperatures from -20 °C to +70 °C
- Custom: choose from five types, depending on the desired motor strength
- Simple to install onto current windows without the need for demolition or electrical work
- Extra energy-savings: the roller shutter does not use any electricity



Security package

Safety first!

Opt for additional security

Roller shutters are an additional deterrent to intruders attempting to break into your home. They contribute significantly towards the increased security of your property. Nowadays you can go one step further; certain components can be additionally safeguarded. A number of options are:

- Lift security system: the curtain is attached to the rod with shackles. These completely lock the shutter curtain, making it much harder to lift.
- Extrusion box from extruded aluminium: makes the shutter more rigid, thicker, stronger and more stable.
- Safety guide rail: thicker than a standard guide rail, making it harder to pull open the curtain.
- Safety bottom lath: fitted with an extra wide lip to make it difficult to grip.
- Safety slat: filled with an extremely hard foam to make the slat even more rigid.

VR150 Silensio™

- Ultra silent
- 40% longer lifespar
- Superior obstacle detection
- 'Soft start & stop' function
- Motor with frost protection
- Two speeds



OVERVIEW ROLLER SHUTTERS

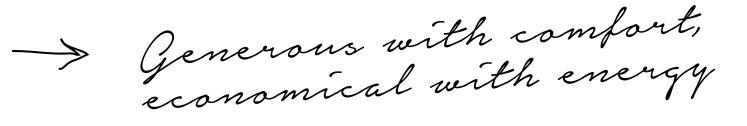
	VR150	VR150 SILENSIO	VR150 SOLAR	VR200 SOLAR	VR200	
STRUCTURE						
Max. height	3000 mm	3000 mm	3000 mm	3500 mm	3500 mm	
Max. width	4200 mm	4200 mm	4200 mm	4000 mm	5000 mm	
Max surface area	11 m²	8.5 m ²	+/- 8.5 m²	+/- 6.8 m²	13 m²	
Multi-part coupling	Multi-part coupling	Multi-part coupling	Multi-part coupling	n/a	n/a	
Design box	Square, round or bevelled	Square, round or bevelled	Square, round or bevelled	Bevelled	Bevelled	
Guide rails	Choice of various guide rails	Choice of various guide rails	Choice of various guide rails Rail guide 025		Rail guide 025	
CONTROLS						
Motor	Standard: oximo io	RS100 Silensio	Oximo wirefree RTS RS100 solar io	RS100 solar io	Standard: Somfy Altus io	
Controls	io control / RTS/ wired	io control	io-control / RTS	io control	io control / RTS/ wired	
Solar (with solar panel)	Option	n/a	Standard	Standard	n/a	
CUSTOMISATION & COMFORT						
Anti-intrusion?	Option = security pack	Option = security pack	Option = security pack	n/a	n/a	
Insect-repellent function	Option = insect screen	Option = insect screen	n/a	n/a	n/a	

Make your choice

Flush-mounted roller shutter VR1000

All the comfort in terms of privacy, safety and temperature (cold and heat) fully incorporated? This can all be achieved with the fully integrated VR1000 roller shutter for new buildings.

This sustainable roller shutter is installed in the cavity using innovative technology and without creating thermal bridges. Ideal for passive construction and near energy-neutral constructions. Moreover, the architect retains full freedom, thanks to the range of box sizes.



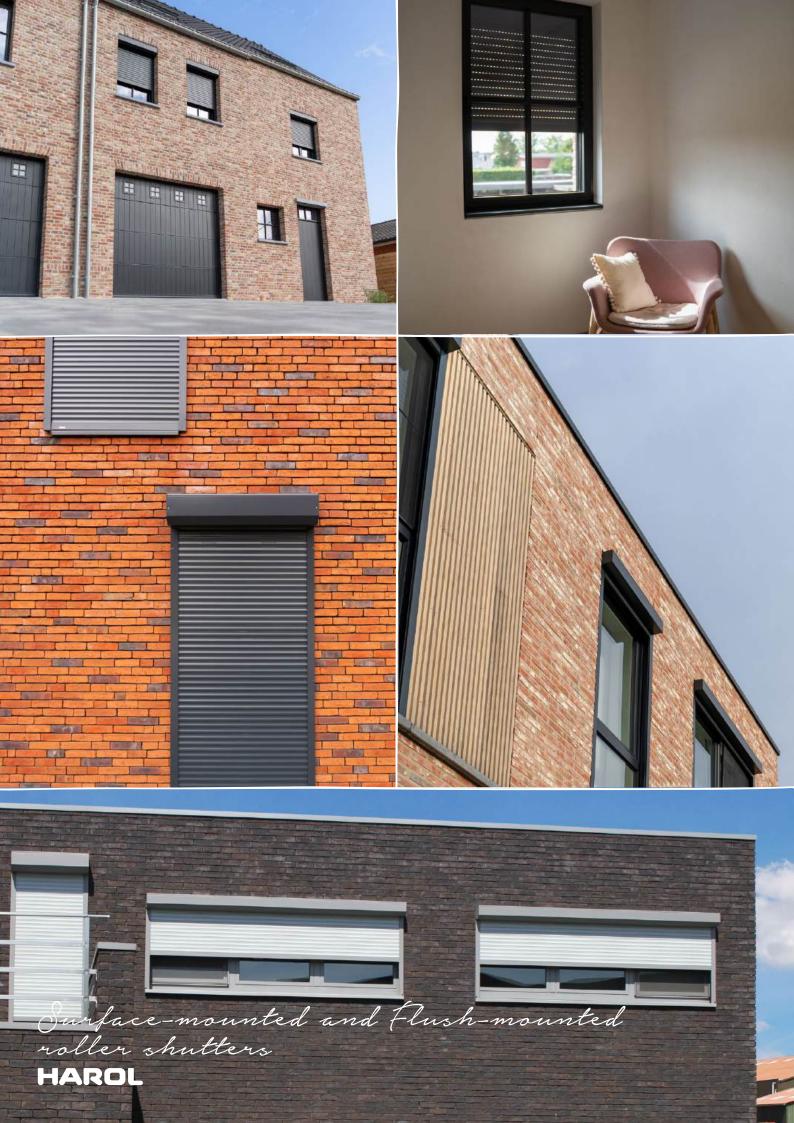
Unique properties

- Roller shutter for new buildings
- Quick and easy assembly
- Wide range of box sizes
- Installation in the cavity
- Ideal for passive houses and near energy-neutral construction projects
- Also available on solar power (= VR1000 Solar)











Rosaly Bettens, Business Manager at Naturelle, opted for Harol roller shutters

"We can now turn down our heating in winter"





Women go to beauty salon Naturelle in the quiet town of Houthalen-Helchteren for skin beauty treatments, and now friendly business manager Rosaly talks at length about the many benefits of her roller shutters.

Cosy in winter

"When we moved here, approximately eight years ago, we noticed that the temperature upstairs could become uncomfortably hot. Since we've had roller shutters installed, this is no longer the case." After renovating the kitchen and the living room, we also had roller shutters installed at the back of the house. "In winter, we can now turn down our heating. This has resulted in significant savings, just by having roller shutters installed. Another pleasant fact: with the shutters down, we can now snuggle up, warm and cosy in the evenings. They shut out the light and give us our privacy."

One press of a button

Rosaly also finds it very convenient that the shutters can be operated using a tablet or smartphone. "We regularly leave our sash windows open. If I want to go and fetch the children, I don't need to close all the windows. By simply pressing a button I can roll down all the shutters. In no time at all the house is locked up and passers-by cannot peep inside." Also for indoors this simple way of operating the blinds is extremely handy. "If the sun is shining on my TV screen, it's so simple to quickly do something about it."

Handy timer function

Rosaly has frequently experienced how her roller blinds have provided her with better sound insulation. "For example, I really do not like thunder and lightning, so when I roll down my shutters, I hardly notice anything. Also, every day jet planes pass by over our house. It always happens at three o'clock, just when my daughter Verolien is having a nap. It is a huge advantage that I can now do something about the noise. And in the evening, the shutters in her room roll down automatically, thanks to the timer function."

	VR1000	VR1000 Solar				
STRUCTURE / DESIGN						
Roller shutter type	Flush-mounted roller shutter	Flush-mounted roller shutter				
Max. height	3 m	3 m				
Max. width	4,2 m	4.2 m				
Max surface area	11 m²	8.5 m ²				
Multi-part coupling	up to 6 m²	up to 6 m²				
Design box	Square box is fully concealed					
Box dimensions	150 x150 mm 165 x165 mm 180 x180 mm 205 x 205 mm					
INSTALLATION	In the cavity wall	In the cavity wall / battery is in the box				
CONTROLS						
Controls with io-motor	Standard	Standard				
OPTIONS						
Anti-intrusion?	Optional security pack	Optional security pack				
Insect-repellent function	n/a	n/a				

Make your choice

Dosaly XXX

Built-in roller shutters

Thinking of building or renovating? Tip: have built-in roller shutters fitted during the building work. This will immediately enhance the comfort in your home or office. It gives us the opportunity to integrate your built-in shutters seamlessly into the exterior wall: invisible when open, sleek-fitting when lowered. To fit the built-in shutters, space for the roller barrel is required above the window. An additional lift security system can be purchased for optimum protection.

-> Sleek look, huge advantages

Built-in roller shutters HAROL



IB, IB SilensioTM and IB Solar



Exceptionally strong

Each component of this highly reliable roller shutter is designed for durability and smooth operation.

Benefits

- Double-walled slats in PVC or aluminium
- Bottom lath made from extruded aluminium with seal
- Guide rails made from extruded aluminium
- Special side clamps to prevent the slats from sliding together
- Also available on solar power (= IB Solar)



Impressive colour palette

For the bottom lath and guide rails you can choose from all RAL colours (K-250 RAL range) for the standard price, with a wide range of contemporary colours in textured coating.





Built-on roller shutters

Are you planning on replacing your windows? Why not choose built-on roller shutters! Built-on roller shutters are fitted in the window frame and installed as a unit. A practical built-on system that guarantees a trouble-free installation for both renovations and new properties. But you won't discover the real benefits until after the installation. Built-on roller shutters are extremely windproof, for maximum comfort and insulation. Saving you hundreds of Euros per year! And thanks to the contemporary design and robust construction, built-on roller shutters go perfectly with wooden, PVC and aluminium windows. The special finishing profiles ensure the box is flush with the wall and the window frame.

> Stringent energy standards!

Built-on roller shutters HAROL



OB910 Thermo, OB600, OB700, OB600 Solar OB700 Solar, OB600 SilensioTM, OB700 SilensioTM et OB910 Thermo SilensioTM

A box of the very best quality

The box of a Harol built-on roller shutter is a marvel of technical ingenuity. All components are perfectly matched and specially designed for a long life and maximum comfort. The box design is modern and can easily be customized to suit the style of your home. And because the box is composed of tightly clipped double-walled plastic profiles, it is extremely robust and offers excellent insulation.



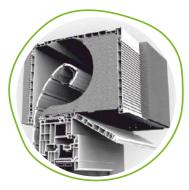
OB910 Thermo

OB910

- Ideal for large renovations and new builds
- Suitable for low energy houses
- Easy to maintain
 - IR = Maintenance from the inside
 - ER = Maintenance from the outside
- Superior thermal insulation (U=0.50 W/m²K) acoustic insulation: (49dB)

Super-insulating!

- Aesthetic solution: No visible box from within the home
- Quick to install thanks to simple clip technology



OB700

OB700

- Suitable for newbuilds and renovations
- Aesthetic solution: box, with inspection opening along the base, can be completely concealed indoors
- Strong thermal (U=0.62 W/m²K) and acoustic (39 dB) insulation
- Optional integrated insect screen
- Also available for sash windows
- Quick assembly using clip technology
- Also available on solar power (= OB700 Solar)



OB600

- Suitable for newbuilds and renovations
- Rounded box lid
- Excellent thermal (U=0.78 W/m²K) and acoustic (38 dB) insulation
- Optional integrated insect screen
- Quick assembly using clip technology
- Also available on solar power (= OB600 Solar)

Built-on roller shutters HAROL



Slat types



The roller shutter curtain is available with or without light and ventilation slots. This allows you to determine your personal atmosphere for the room. Please note: a roller shutter does not shut out 100% of the light.

ALU SLAT ALU42

Not possible on VR200

Slats provide an attractive look, with additional security and insulation

Concave or convex side to be outward-facing? You can choose whichever you prefer.







ALU SLAT ALU35

Not possible on VR200 and OB910

= thickness of the slat

= max. area

Slat								
colours		PVC			P	LUMINIUM	И	
	PVC37	MIDI	ISIROLL	ALU35	ALU39	ALU42	ALU42S	ALU55
White	S	S	S	S	S	S	-	S
Grey	S	S	S	-	-	-	-	-
Light grey	-	-	-	S	S	S	S	S
Beige	S	S	S	-	0	0	-	0
Brown	-	-	-	S	S	S	S	S
Dark brown	-	-	-	-	-	0	-	-
Cream white*	S	S	S	S	0	S*	-	S
Alu-metallic	-	-	-	S	S	S	S	s
Bronze	-	-	-	-	-	0	-	0
Light beige	-	-	-	S	S	S	S	s
Moss green	-	-	-	-	0	0	-	s
Purple red	-	-	-	-	0	-	-	-
Black	-	-	-	-	0	O*	-	0
Pine green	-	-	-	-	-	0	-	-
Grey aluminium	-	-	-	S	S	S	-	-
Soft grey	-	-	-	S	S	S	-	-
Quartz gray	-	-	-	-	-	0	-	-
Steel blue	-	-	-	-	-	0	-	-
Black grey	-	-	-	-	0	O*	-	-
Traffic white	-	-	-	S	S	S*	S	S
Charcoal grey	-	-	-	S	S	S	-	S
Charcoal grey sablé	-	-	-	-	S	S	-	-
Black sablé	-	-	-	-	0	0	-	-
Grey sablé	-	-	-	-	-	0	-	-
Golden oak	-	-	-	0	0	0	0	0
Cream	-	-	-	S	S	S	-	S

A world of options and accessories

Your taste is very personal, which means your home or office has its own chosen style. Fortunately, Harol roller shutters can be fitted to reflect your personality and your property, thanks to the many accompanying options and accessories:

Opt for additional security • Bolt: placed in the

- Bolt: placed in the bottom lath and only operable from the inside.
- **Cylinder lock**: placed in the bottom lath or intermediate slat and operated from the inside and outside.
- Automatic lift security system: located on the rod, locking the curtain automatically when fully lowered.

Opt for extra ease of use



Bottom lath stops



Handgrips in the intermediate slat



Handgrips on the bottom lath



Orbits





Standard scratch protection

Exclusively at Harol

Years of pleasure without any extra charges

Harol does not require you to pay extra for scratch protection. All our roller shutters with flocked suspending springs* now have standard protection against scratches. This is done by applying durable protective padding.

Why do we do this? The protective padding reduces the likelihood of scratches to a minimum. Result: your roller shutter will remain lustrous for longer. Continuous improvement is very important to Harol!

* Padding applies to VR150, VR150 Silensio™; VR1000, VR1000 Silensio™; OB600, OB600 Silensio™; OB700, OB700 Silensio™, VR150 Solar, VR1000 Solar, OB600 Solar, OB700 Solar.



Without protective padding



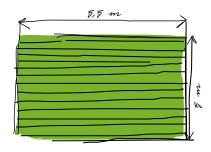
With protective padding

-> A sturdy solution

Roller Gate RP077

Do you want to screen off your shop windows at night? Or block the passage way to your home or shop?

With a Harol roller shutter you are choosing a thorough approach. This gate is not only silent in operation but also extremely durable. The result is a rock solid barrier!



Max. Dimensions

- 5 m x 5,5 m
- Max. surface. 15 m²

Unique properties

- Two mounting possibilities: built-on, or built-in
- Extremely durable slat with insulating foam for extra sturdiness and security.





Impressive colour palette

Coordinate your colours and match the shutters to your exterior joinery. Box, guide rails and bottom lath are standard available in all RAL colours (K-250 RAL range) together with a wide range of contemporary colours in textured coating. Imitation wood look also available for the VR150.

Slat AD77

A guide to suit each mounting scenario:



Guide for built-on application



Guide for built-in application (depth 40 mm)







Ultimate comfort!



Make the Switch



Discover the many benefits of electric roller gates

You can opt for manual operation using a tape or crank, but nothing is as easy, comfortable and efficient as an electric motor. One press of the button, and your electric shutter opens or closes, quickly without applying any muscle power.

For even greater convenience, security and energy-savings, we recommend the io-homecontrol® system. This genuinely offers the ultimate in comfort!







Hand-held transmitter



Wall transmitter



Smartphone or tablet





The possibilities of electric roller gates: 3 types of motors, each with numerous advantages:

Standaard elektrisch	RTS	io
 ✓ No tape or crank required ✓ More ease of operation ✓ One push of a button is sufficient 	 ✓ Radio-controlled ✓ Wireless transmitter (wall transmitter, manual operation) ✓ Timer options □ ✓ Obstacle detection ✓ Frost protection ✓ Intruder-proof ✓ Connection to home automation (Tahoma Switch) □ ✓ + All the benefits of a standard motor 	✓ Extra security due to feedback to the transmitter ✓ Option to set scenarios □ ✓ Detailed automation option □ ✓ Worldwide operation with status update □ ✓ + All the benefits of an RTS motor

The features of the RP077 roller shutter summarised

Dimensions		Comfort		Safety		Design		Accessories	
	5500 mm 5000 mm 15 m ²	Motorised Bidirectional transmitter Manual	✓ spring	Lifting security system Obstacle detection Fall protection	_ _	Interior finish:	Blade 13 colours	Windows Ventilation grille Contrrolled via Tahoma Switch	_ _

□ = optional

Harol: Your partner for perfect roller shutters

1. FITTED BY SPECIALISTS

All our solutions are installed by experts with many years of experience in the industry. Moreover, our dealers regularly attend courses at Harol to stay up-to-date with the latest installation techniques, maintenance and advice.

2. 100% GUARANTEED QUALITY

As a Belgian manufacturer with over 75 years of experience in the field, we ensure that our solutions meet the strictest quality requirements. Moreover, we offer a 5-year quality guarantee on all products.

3. CUSTOMIZED SOLUTIONS

All our solutions can be perfectly tailored to meet your needs:

- > You can choose from over 300 RAL colours and scratch-resistant textured coatings
- > Our products are suitable for new build and improvements/renovation

Extensive range of options to increase your comfort to a maximum

4. EASY TO OPERATE

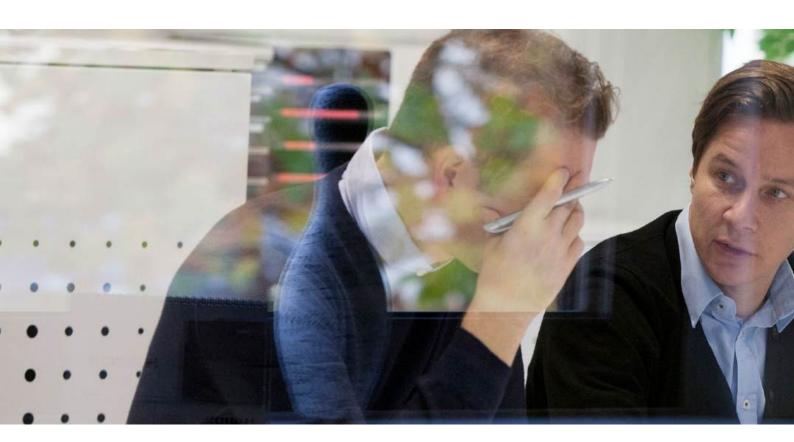
All our solutions are available with motor and remote control. The roller shutters can be operated using different methods (manually or electrically) and they can be linked to an automatic control.

5. FULL SERVICE FROM START TO FINISH

Our dealers will assist you with advice and support:

- > You can call on them for the correct advice, based on your needs and requirements
- > For questions about colours, materials and maintenance
- > After-sales service

More info: Swww.harol.com



Your Harol Dealer:

SBI Ltd (Sun Blinds Installations) www.sbiproducts.co.uk







