



INDUSTRIAL Shutter

Anti-burglary roller shutters



A VERSATILE solution for every company.

Industrial shutters not only increase the security level of your building but are an excellent space-saving solution for any activity related to the storage of goods and the storage of vehicles.

Overview ↗



Features

100% safe
Wear-free
Convenient solutions for motorisation
Reliable burglar protection
No encumbrance on the ground
Absence of springs
Low maintenance requirements

Applications

Logistics
Warehouses
GDO
Garages
Industrial garages
Parking lots



Unauthorized access

The GLG roller shutters are 100% burglary-proof, that is, burglary-proof. In fact, they are installed to protect industrial zones intended only for authorized personnel or in commercial contexts.



Burglar protection

The robust aluminium or steel structure of the GLG roller shutters protects industrial buildings and commercial activities from any attempt of intrusion and burglary, ensuring at the same time very high performance during the normal performance of everyday activities.

What more can you want?

Small footprint, maintenance to a minimum.

The section of the insulated curved profile allows a higher winding with a small footprint, effective and very quiet during the movement of the damper. The direct drive tube used for rolling the damper (with aluminium or double wall steel panel sections) does not require any spring system, This in fact allows a decrease in maintenance with a considerable saving in economic terms.

We increase the level

More protection!

The safety shore and the integrated photocell barrier to the structure increase the safety level of the damper even more, blocking its closure in case of sudden obstacles or impediments.



The spiral winding system allows a high thermal-acoustic insulation and an even smaller footprint.

STRUCTURE

INDUSTRIAL SHUTTER

| | |
|--------|---|
| Sizing | Width up to 10000 mm x Height 8000 mm |
| Rails | Shaped galvanized sheet for perfect sliding and wind resistant mechanical seal. |

| | |
|----------------------------|---|
| Top wrapping structure Top | Special side supports equipped with parachute and motor unit; large steel shaft for winding the insulated mantle. |
|----------------------------|---|

STRUCTURE

SPIRAL DOOR

| | |
|----------|---|
| Sizing | Width up to 8500 mm x Height up to 8000 mm |
| Material | Standard Galvanized steel On request Epoxy powder coated RAL steel |

RIGID SURFACE

INDUSTRIAL SHUTTER

| | |
|-----------------------------|---|
| Thickness | 20 mm |
| Composition | Sandwich elements with pre-painted sheet and insulation in CFC-free expanded polyurethane with a density of 40 kg/m ³ . |
| Thermal insulation | Value of 3.7 W/m ² K |
| Outer surface | Micro diamond for an elegant design and a more resistant coat. |
| Inner surface | Smooth striped |
| Nylon linear roller bearing | Keep the rigid surface aligned for perfect glide |
| Windows | Standard No windows on the rigid surface On request Windows made by moulding in aluminium slats, equipped with transparent compact polycarbonate monolastre. |

SURFACE

SPIRAL DOOR

| | |
|----------------|---|
| Panels | The panels have a smooth finish characterized by a double wall with thermal break. The walls are connected to each other by means of hinged aluminum profiles, while the front joints are double chamber to ensure a watertight seal. Standard External panels: Oxidized satin aluminium sp. 42 mm Interior panels: Pre-painted steel sp. 42 mm On request Interior and/or exterior: Epoxy powder coated RAL steel Transparent polycarbonate sections: UV acrylic PMMA Microperforated panels: Spiral Air Flow model |
| Motor winding | Spiral, circular patented high density polyethylene PE HD 500.000 |
| Sliding guides | System composed of high density polyethylene guides PE HD 500.000 |

SPEED

INDUSTRIAL SHUTTER

| | |
|-------------------|-------------------|
| Opening > 0,3 m/s | Closing > 0,3 m/s |
|-------------------|-------------------|

SPEED

SPIRAL DOOR

| | |
|-------------------------|-------------------------|
| Opening > up to 1,5 m/s | Closing > 0,5 m/s [...] |
|-------------------------|-------------------------|

| | |
|---------------|--|
| Gear motor | For intensive use, supplied by leading companies in the sector. Keyed directly on the crankshaft |
| Composition | Electric motor of adequate power with increased electrobrake and special limit switch encoder, coupled to a gearbox with worm screw with permanent lubrication and emergency release crank (on request with chain hoist). |
| Limit switch | Electronic encoder with digital regulation directly from the control panel |
| Control panel | Programmable electronic technology with status display. Opening door complete with up-stop-down button, adjustment of the opening and closing speed. Predisposition to the connection of all types of commands, safety, traffic lights and interlocks. Automatic closing management, partial opening, fault signalling test and cycle count with lock for service and maintenance. |

MECHANICAL AND ELECTRONIC

SPIRAL DOOR

| | |
|---------------|--|
| Control panel | The 380V inverter is equipped with an automatic operating logic and a complete low voltage safety management. In addition, it is equipped with a separate high-capacity 24V power supply. |
| Main supply | 400V |
| Frequency | 50/60 Hz |
| Limit switch | The incremental encoder is used for the management of programmable limit switches and slowdowns. These are controlled via a digital console that provides diagnosis, records the number of cycles and displays the status of the port. |
| Gear motor | Asynchronous with 110V electro-brake designed for intensive use. |
| Transmission | To achieve a smooth movement action, a system of lateral catenary with a metal counterbalance weight is used. The movement is generated directly by the motorization, ensuring a direct thrust. |

SAFETY

| | |
|-------------------|--------------------------------------|
| Emergency opening | Chain release Crank release |
| Safety edge | Splash-proof sensor |
| Wiring | IP 69 Plug & Play |
| Photocell | 22 active beams up to Height 2500 mm |

Type of structure

Galvanized
SteelMonolamier
GalvanizedInsulated panel
GalvanizedInsulated panel
Prepainted

Colors (RAL)

RAL
9006RAL
1013RAL
9010RAL
5010RAL
6005RAL
7035RAL
8017RAL
9005Other colors ↗
On request



G **Account**

Log in to
download the .dwg

GLG

Enter the GLG world

Account

Remember that on our portal you
can always take advantage of a
number of useful features for your
future logistics purchases.

www.glgdoors.com

