



VERTIgo

The superfast and space saving VERTIgo Spiral Door

EBS sets itself ambitious targets in the areas of insulation, noise and pricing.

Traditionally, two doors are often mounted in frequently used exterior openings; an insulated door for use at night and a high speed door that is used during the day.

The EBS VERTIgo is an unprecedentedly fast sectional door that also offers exceptional insulation performance and security. Specially designed rollers keep noise to a minimum. This patented system also contributes to the sleek design of the VERTIgo. The EBS VERTIgo can be supplied in 2 variations, the VERTIgo ISO-40 and ALU-40. Both door types have 40mm thick panels; ISO-40 produced with steel PIR sandwich panels and ALU-40 manufactured with clear double glazed aluminium panels.



U-value VERTIgo ISO-40 mm sectional door: 5,000 x 5,000 mm: 1.77 W/m²K
U-value VERTIgo ALU-40 mm sectional door: 5,000 x 5,000 mm: 4.25 W/m²K

Speed

The VERTIgo Spiral Door opens 6 x faster than similar sectional doors and is therefore extremely suitable in an environment where you have intensive logistic movements.

This door opens fast and depending on the door size up to 1.1 M per second and real savings on the energy cost can be achieved.

Energy Saving

The door leaf has a thickness of 40mm and a U-value of 1.77 W/m²K (ISO panels / door leaf 5000 mm x 5000 mm). Additionally where requested we can provide high quality full width ALU-40 vision sections.

Space Saving

The VERTIgo Spiral Door is a revolutionary innovation and thanks to the spiral system and chain drive does not require extended backroom.

To minimize wear and tear the Spiral action of the door means the panels do not touch, roll or fold upon themselves. The VERTIgo offers a solution in a room where the ceiling construction does not allow track hangers for a regular sectional door.

Durability

Because of the intelligent drive-system (without counterbalance) the VERTIgo Spiral Door requires hardly any service upto 200,000 cycles.

Scopes

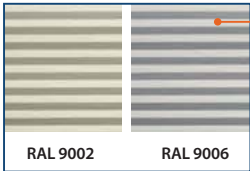
- Food and Beverage Industry
- Chemical and Pharmaceutical Industries
- Logistics
- Car Dealerships
- Metal- and Electrical Industries
- Machine building

Technical details



Section Joint

The joint between the ISO and ALU sections is wind and watertight to (class 3 wind load).



2 Standard Colours

Do you have special colour requirements? EBS can offer you further RAL and Colourbond options.



Safety

The VERTigo can be equipped with a pre-running safety-edge or light curtain. The light curtain is consisting of a receiver and transmitter, mounted into the track system, and therefore no wiring is required on the door leaf. This improves the operational reliability of this superfast door.

Specifications	
Max. Door leaf-surface	25 m ² (350kg)
Max. Width	5000 mm
Max. height	5000 mm
Section height	366 - 610 mm
Opening speed	1.1 m/s
Closing speed	0,5 m/s
Section-thickness	40 mm
Section-Joint	Finger-protection
ALU-sections option	ja
U Value at 5.000 x 5.000 mm	1.77 W/m ² K (complete ISO)

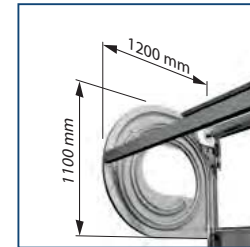
FEATURES AND BENEFITS

- Low maintenance (200,000 cycles) Springless system.
- Pre-running safety-edge or light-grid (no wiring on the door leaf).
- Class 3 Wind load.
- High insulation value.
- Quick and simple installation because of pre-assembled track and drive-system.
- High opening speed.



Torque-tube

The VERTigo Spiral Door is equipped with a direct drive aluminium Torque-Tube and is does not require counter balance assistance.



Installation space

The VERTigo Spiral Door coils itself up against the interior facade of the building and the build in space is 1100 mm x 1200 mm at the head, 350 mm on the drive side and 120 mm on the non drive side.



Compact Side-hinges

For extra safety the panel connecting hinges are almost flat and ensure a perfect seal with the vertical side seals



Drive-concept

The uninterrupted chain-/ steel-cable system ensures precise and controlled door movement even at high speed.

Configuration doorleaf

The doorleaf for the VERTigo can be configured as shown in the overview below. The bottom section will always be an ISO-40 section.

ALU		ISO	
Min	Max	Min	Max
-	-	366 mm	610 mm
250 mm	366 mm	366 mm	366 mm
275 mm	366 mm	250 mm	366 mm

Bottom section

Intermediate section

Top section