



Product datasheet

ISO high-speed sectional door (Helix)

Type: PDAH

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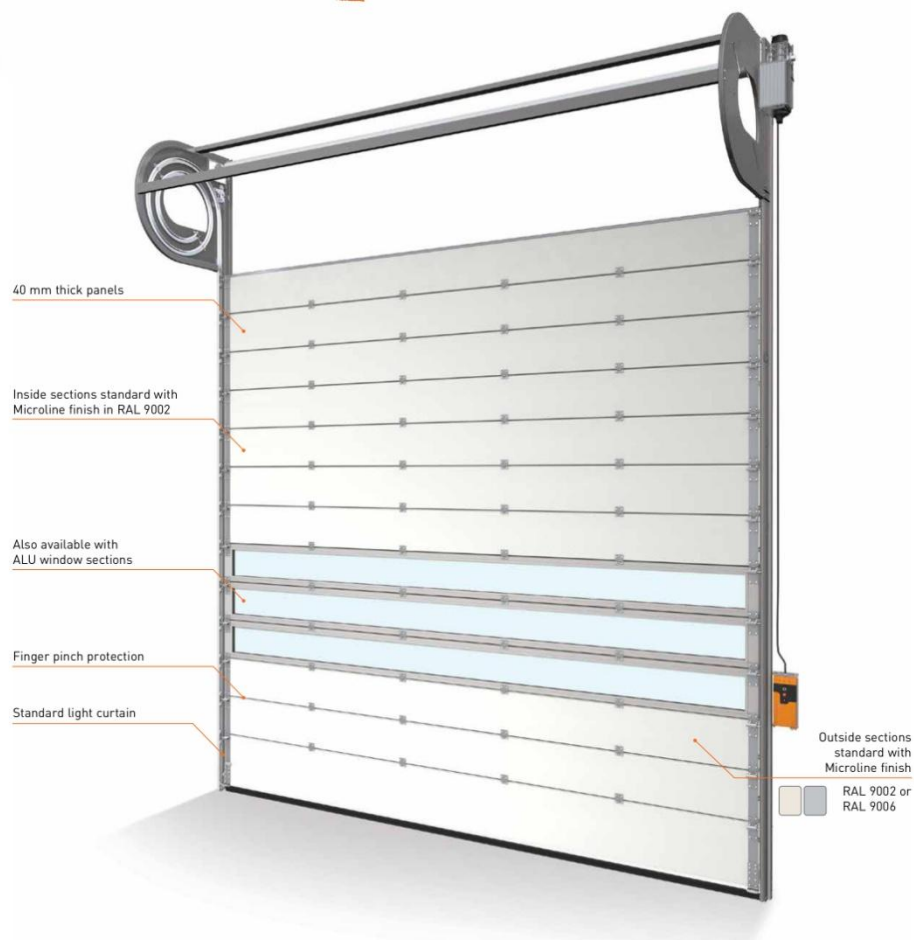
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General information

The Helix is brand-new in our product range: It is a superfast highly insulated sectional door equipped with special rolls hat reduce operation noise to a mimimum.

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 new Helix combines the best of both worlds in a single product. An investment that pays for itself in next ton o time!



Dimensions

max. width	5000 mm
max. height	5000 mm
max. surface area	25 m ² (350 kg)
openingspeed	1,1 m/s
closingspeed	0,5 m/s
section thickness	40 mm
section joint	Finger-pinch-protection
ALU-sections possible	ja
μ value at 5.000 x 5.000 mm	1,5 W/m ² K (complete ISO)

Components and construction

The Helix is a high speed spiral door which consists of Microline sections with a working height of 366 mm. During the opening of the door the sections run along a spiral-shaped rail. A powerful drive allows the door to quickly and silently run along the unique rail system.

Materials

- horizontal sandwich-sections consisting of an outer and inner shell of aluminium with a CFC-free polyurethane (PUR) core with finger-pinch-protection
- standard section height 366 mm
- panel thickness 40 mm
- rails made of sendzimir galvanized steel
- vibration-free rollers with ball bearings
- middle hinges in galvanized version
- mounting of door fittings with electrolytically galvanized parkers with serrated fixed ring
- specially developed top and bottom sealing
- unique side seal
- seal between the panels of insulating material

Surface treatment

- the outside of the sections has a polyester-coating in RAL9002 (Off-white) or RAL9006 (aluminium silver)
- the inside of the sections has a polyester-coating in RAL9002 (Off-white)

Window options

The Helix is also available with one or more sections made of anodized aluminum profiles, filled with insulating double glazing.

Drive

The door is powered by an electric motor with gear unit. Drive side on the right or left.

Technical details electric drive

Power 3 x 400 V N, PE/50Hz/16A
degree of protection IP 65

Protection

- EN13241-1 compliant
- safety light curtain (IP65 and to max. height 2500 mm). If this curtain is interrupted by an obstacle the door will automatically
- fully open until the screen is freed again. This does not apply to the door in closed position.
- the door can be manually opened in the case of a power loss
- finger-pinch-protection

Control and operation

The control system has 3 buttons (open-stop-close) and regulates a multitude of functions such as:

- adjustable open time
- service and run mode
- 7-segment display for controlling the various functions
- choice of permanently open or permanently shut

Options / accessories

Control and operation

- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

Protection

- leading photocell instead of a lightcurtain (no wiring on the door leaf)
- connection of traffic lights (red/green or red and green)
- Warning flash light (orange or red)

Construction

- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- separate 'wicket door', next to the Helix door