

Axellent Product information

» High speed roll door



High speed roll door

Swedish manufactured – requires minimal space around openings in production cells.

The high speed roll door's design is unique. The door roll is located on the back of the door. Moving parts are thus placed inside the cell, out of reach for the operator. Further, this design allows a forklift to get closer and deeper into the cell e.g. for tool change.

The high speed roll door has long durability and low operating costs. In other words, it is a long-term and cost effective investment. The high speed roll door can be customized to your requirements.

- Compact, the door can be placed near the work place.
- Interlocking, in the frames non-contact switches are mounted to monitor the door position and prevent restart if the door is unclosed.
- Fast and silent drive with opening speed up to 2,5 m/s. Drive system is designed for up to 6 opening cycles per minute, without overheating the motor.
- Photocell curtain, integrated in the frame, covers the full opening and reverses the door if obstructed by any object.
- Door panel, 2 mm thick PVC-coated fabric with smooth finish, antistatic-proof, with insulated carbon fibre wires. Resistant to most chemicals, welding splash and UV-radiation.
- Flexible control, can be programmed for all types of operating functions.
- The door is prepared for remote control with connections for signals open/close from external equipment like pushbuttons or a higher-level control system.
- The doors have a robust design, thick door panel and only a few wear parts. This ensures a long servicelife.
- Stable specially designed posts are included in the delivery. Customized for each individual order.

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Design

- A high speed roll door with robust design, thick door panel and only few wear parts.
- The frames are made of anodized aluminum profiles, easily detachable for e.g. inspection
- Fast and silent drive with opening speed up to 2,5 m/s.
- Frames, bottom beam (with rounded top), top roll cover and motor cover of anodized aluminum.
- Extremely compact design.

Door panel

- 2 mm thick, with smooth finish, antistatic-proof with insulated carbon fibre wires, resistant to welding splash and UV-radiation.
- Standard colours: Blue (RAL 5007)

Drive system

- Vector-controlled drive with adjustable speed up to 2.5 m/s. 1 x 230 V AC, 16 A.
- Touch-display for programming and information.

Safety

- Patented edge holding feature that securely keeps the door panel to the slim frames.
- Safety photocell curtain in the frames instead of a contact bar that only switches upon impact or clamping.
- In the frames, non-contact safety switches (up to Cat 4, PLe, SIL 3) are mounted. These can be used to interlock any hazardous machine function as long as the door is open. The switches can be adjusted easily to change the closing position.
- The door comes with EC Declaration of Incorporation for Machinery Directive and EC Declaration of Conformity to the Low Voltage (LVD) and electromagnetic compatibility (EMC) directives as well as detailed operating and installation manuals.

Sizes

S-0145-230150L / S-0145-230150R	High speed roll door (Rollback, motor L /motor R) CH=2300 mm, CW=1500 mm
S-0145-230200L / S-0145-230200R	High speed roll door (Rollback, motor L /motor R), CH=2300 mm, CW=2000 mm
S-0145-230250L / S-0145-230250R	High speed roll door (Rollback, motor L/motor R), CH=2300 mm, CW=2500 mm
S-0145-250150L / S-0145-250150R	High speed roll door (Rollback, motor L/motor R), CH=2500 mm, CW=1500 mm
S-0145-250200L / S-0145-250200R	High speed roll door (Rollback, motor L/motor R), CH=2500 mm, CW=2000 mm
S-0145-250250L / S-0145-250250R	High speed roll door (Rollback, motor L/motor R), CH=2500 mm, CW=2500 mm

- Max. clear opening CH*=3055 mm for X-Guard, 3400 mm for X-Store. CW*=3000 mm (customized sizes on request).
*Explanation of CH and CW - see next page.

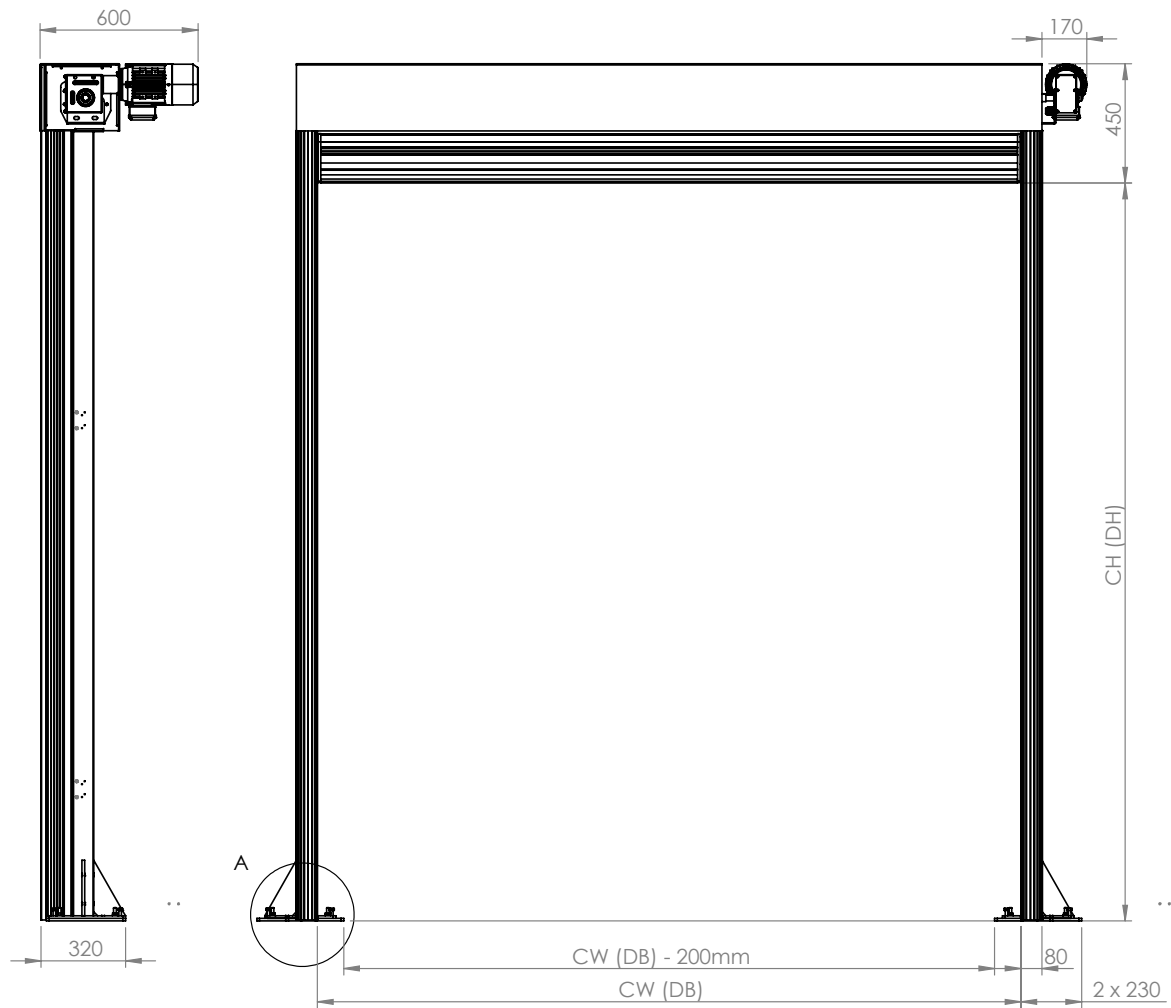
Axellent height setup is related to the range of standard posts and extensions.

Options

- Automatic reversing safety edge with wireless signal transmission.
- The door can be equipped with an uninterrupted power supply (UPS), which allows the door to be opened even in case of power failure.
- Communication modules for Profisafe, Profinet, Profibus. etc.
- Door panel colours yellow (RAL 1023), red (RAL 3000), and light grey (RAL 7038) and orange (RAL 2004).
- Transparent vision panel, full width, seamlessly integrated in the door panel. Also available in toned PVC in the colours bronze or red for protection against welding glare.
- Cat 4, PLe, SIL 3 safety relay for monitoring the non-contact safety switches.
- LED array on the frame for process indication. The diodes are programmed to illuminate either yellow, red, blue, green or white.

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Standard roll doors		
ART. No.	CH (DH) mm	CW (DB) mm
S-0145-230150X	2300	1500
S-0145-230200X	2300	2000
S-0145-230250X	2300	2500
S-0145-250150X	2500	1500
S-0145-250200X	2500	2000
S-0145-250250X	2500	2500