

Speedroller

Best basis for intensive use



NextGen
Industrial Doors

STRONG^E

All essential functions in an economy package

Properties

- max. surface area (WxH) = 9 m², max. with (W) = 3,000 mm, max. height (H) = 3,500 mm
- wind load resistance class 0 according to EN 12424, or up to 8 Beaufort maximum (62 - 74 km/h)
- opening speed with Frequency Control max. 1.8 m/s*, closing speed approx. 0.5 m/s
- 0.7 mm thick door curtain in blue, black, white, grey, graphite grey, red, orange or yellow
- various window types available as an option
- designed as an inside door for doorways with average wind load
- EN13241 compliant

STRONG ^E

The Strong-E is the standard rapid roll door for interior openings. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed and well-engineered for every day energy saving, draught exclusion and climate control .

Dimensions	
max. width	3,000 mm
max. height	3,500 mm
max. surface area	9 m ²
required lateral space at the guides	170 mm
required lateral space at slip on drive	300 / 425mm*
required lateral space at drive for fitting	400 / 475 mm*
lateral space at side guide profiles	145 / 200 mm*
space above	410 / 460 mm*

Components and construction

The SpeedRoller Strong-E is a door without balance springs, consisting of an electrically driven door curtain rolled up on a roller above the opening. The door curtain is made of horizontal sections of extremely durable polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles and can be equipped with various types of vision- or insect netting sections. The bottom of the door curtain has a solid HardEdge bottom beam, a flexible FlexEdge bottom beam is available as an option. U-shaped columns with sideseals ensure lateral guidance of the door curtain. The lateral guides are one unit combined with the bearing plates for secure fastening to the roller and drive.

Materials

The door columns are made of two hot dip galvanised steel profiles. The front covers are removable for fast and simple installation and maintenance. The side seals are specifically tailored to your use. The horizontal roller is steel. The HardEdge bottom beam is aluminium, the optional FlexEdge bottom beam is sturdy but flexible and has a soft outer shell. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay.

Colour

The door curtain is available in the colours blue, black, white, grey, graphite grey, red, orange or yellow and provided with a vision section.

Drive

The drive consists of an electric motor with reduction unit. The roller is directly driven. Drive side available left or right (standard).

Technical details electric motor

- mains voltage without frequency control..... 3N~400V/50Hz/16A
- mains voltage with frequency control..... LNPE~230V/50Hz/16AT
- degree of protection..... IP65
- consumed power max. 2 kW

Protection

- light curtain up to 2,500 mm high
- the door can be manually opened in the case of a power loss

Performance	
control box without frequency control (standard):	
max. opening speed	1 m/s
max. closing speed	1 m/s
control box with frequency control (optional):	
max. opening speed	1.8 m/s*
max. closing speed	0.5 m/s

Structural provisions and connection

- a flat mounting frame and the necessary mounting space must be available
- exact installation dimensions in the Technical Datasheet
- within a radius of 500 mm of where the control unit **without** frequency control will be positioned there must be a wall socket:
 - CEE-form red, 3N~400V/50Hz/16A
- within a radius of 500 mm of where the control unit **with** frequency control will be positioned there must be a wall socket:
 - CEE-form blue, 1 x 230V fused, slow operation 16 A fitted with a circuit-breaker of at least 300 mA
- the control box usually is fitted on the drive side, at a height of approx. 1,500 mm from the floor
- with standard CEE-plug, the control box is IP54 compliant

Control and operation

The control unit has 3 buttons (open-stop-close) and a CEE plug, and regulates a multitude of functions as:

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

Additional controls that can be connected to the control box are:

- push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or radio control.
- Other forms of operation on request



Available controls:

TS971, TS981

Extras ¹

Control and operation

- frequency control
- additional controls as described above
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)
- door interlock control in combination with another door

Protection

- connection of traffic lights (red/green or red and green)
- warning light (orange or red)

Construction

- flexible 'FlexEdge' bottom beam
- windows sections made of mosquito netting
- stainless steel columns
- PVC, metal or stainless steel hood
- hood and PVC cover in customer-specified RAL colour

* Depending on the configuration¹ subject to surcharge