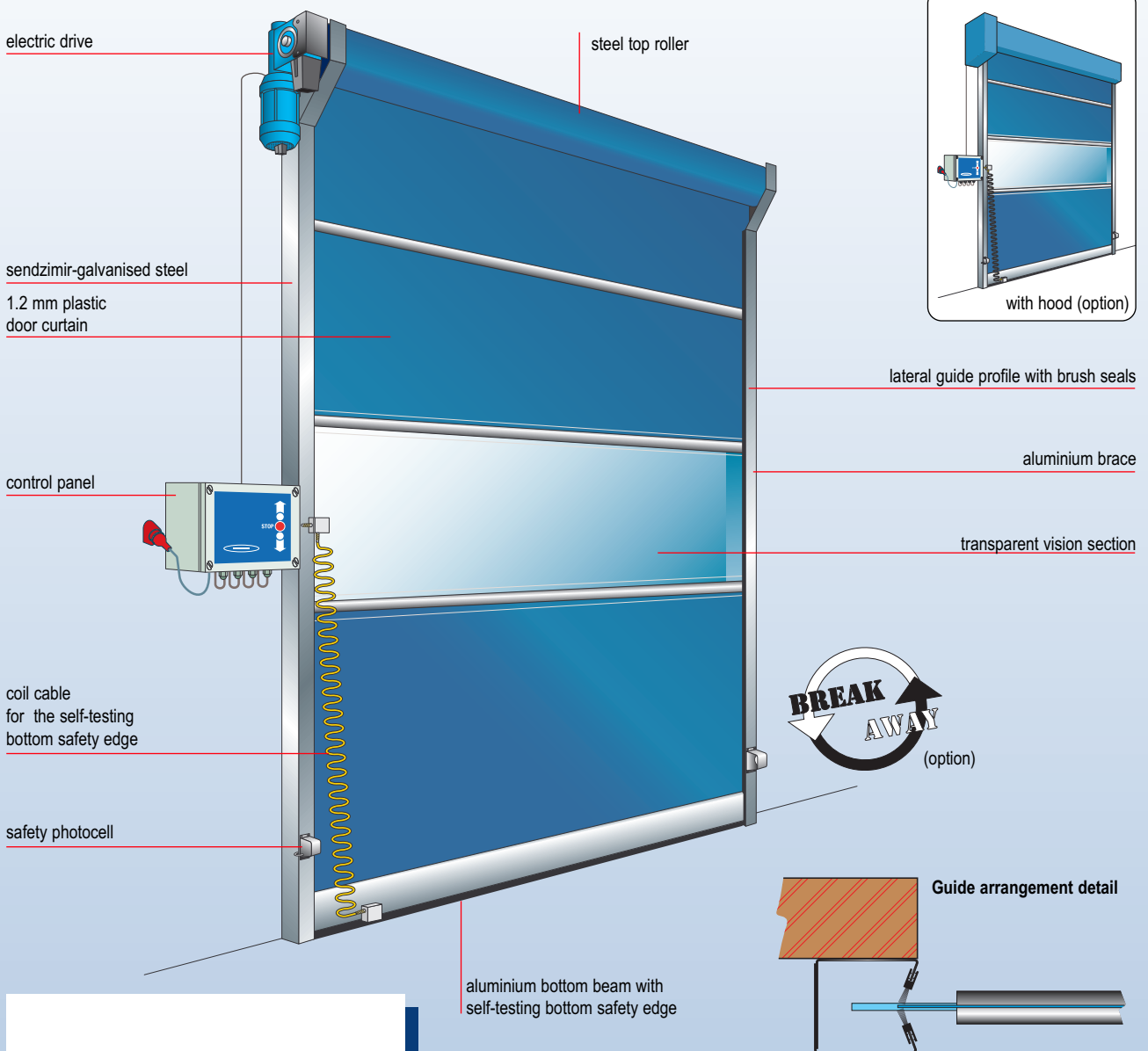


Rapid roll door

Speedroller

interior industrial door



Features

- interior door for openings up to 4000 x 5000 mm
- max. wind pressure 5 Beaufort
- maximum opening speed of 1 m/s
- lateral guide profile with draught seals
- curtain in blue, orange, yellow, black, white
- transparent vision section included
- reliable drive unit with integral roll-off safety
- timer control
- low running costs due to door curtain construction in sections and the lack of balance springs
- various option packages.

novoferm[®]

Novoferm's Speedroller is an electrically driven rapid roll door. These doors are used in industrial buildings and public utilities. They reduce energy bills, keep out draughts and contribute to optimum climate control.

Components and construction

Novoferm's Speedroller is a springless door consisting of a door curtain, which rolls up on an electrically driven roller mounted above the opening. The door curtain is made up of a number of horizontal sections of polyester-reinforced plastic sheet. The sections are fitted with aluminium strengthening braces. The door curtain features a vision section made of transparent plastic at a height of between 1200 and 2200 mm from the floor. An aluminium bottom beam with a rubber sealing profile is fitted to the underside of the door curtain. A U-shaped profile with brush seals guides the door curtain laterally. The lateral guide profiles feature integral bearing plates, which support the top roller and drive unit.

Materials

The lateral guide profile consists of two sendzimir-galvanised steel pressings fitted with brush seals, which can be dismantled for maintenance and repair purposes. The horizontal top roller is of made of steel. The bottom beam is made of aluminium. The door curtain is made of 1.2 mm thick plastic sheet with polyester fibre reinforcement. The door curtain is available in blue, orange, yellow, black or white and includes a vision section as standard.

Dimensions

- maximum width4000 mm
- maximum height5000 mm
- max. wind pressure5 Beaufort
- space required at the side of the opening on the non-drive side (at roller height).....160 mm
- space required at the side of the opening in the area of the drive unit.....310 mm
- space required at the side of the opening for sliding the drive unit onto the shaft.....min. 550 mm
- side space required for lateral guide profiles110 mm
- headroom requirement575 mm.

Drive

The drive consists of an electric motor/reductor unit fitted with an integral roll-off safety. The drive engages directly to the top roller drive shaft.

Control system

The control system offers a variety of functions such as:

- adjustable timer control, or 'deadman operation'
- service and run modes
- LED lights indicating the status of various functions
- choice between permanently open or permanently closed.

Operators

As standard, the control panel features 2 push-buttons ('open - close'), an emergency stop button and a CEE-plug. Remote operation is possible using pull switches, key switches, push-buttons, photocells, radar, induction loop detection or a radio control transmitter and receiver system. Other operation configurations on an individual enquiry basis.

Performance

The opening and closing speed is approx. 1.0 m/s.

Safety features

- manual opening in the event of power failure
- the bottom beam is fitted with a self-testing bottom safety edge, which stops and immediately reverses the door if it hits an obstacle when closing; this safety device is not sensitive to damp.
- as standard, a safety photocell and reflector are fitted to the lateral guide profiles (250 mm from floor level). If the beam is broken, the door will not close
- the drive features an integral roll-off safety.

Structural requirements and connection

- the electrical supply for a rapid roll door is provided by a wall socket within 500 mm of the control panel, which is mounted alongside the opening on the drive side at a height of 1500 mm from the floor as standard (CEE plug /3~NPE/400V/50Hz/16A fuse rating)
- the illustration shows the installation space requirement.

Technical details of the electric motor

mains supply	3N~400V/50Hz/16A
IP rating	IP54
power requirement.....	max. 2 kW.

Auxiliary components/ options/ accessories

- 3 mm thick door curtain, transparent, blue, grey, yellow, green or orange
- plastic hood over the drive/top roller or both
- lateral guide profiles and hood in a customer-specified RAL colour
- aluminium 'Break Away' guide plates in the bottom beam (crash-resistant)
- connection values other than 3N~400V/50Hz/16A
- electrical components to IP65
- control system with frequency inverter, resulting in:
 - maximum opening speed of.....1,5 m/s
 - maximum closing speed0,75 m/s
- available operators: push-buttons, pull switches, photocell, radar, induction loop or radio remote control
- 'half height' setting (for personnel access)
- door interlock control in combination with a second door
- connection of traffic lights (red/green or red and green).

Option packages

- Economic (see data sheet)
- Food (see data sheet)
- Polara (see data sheet).