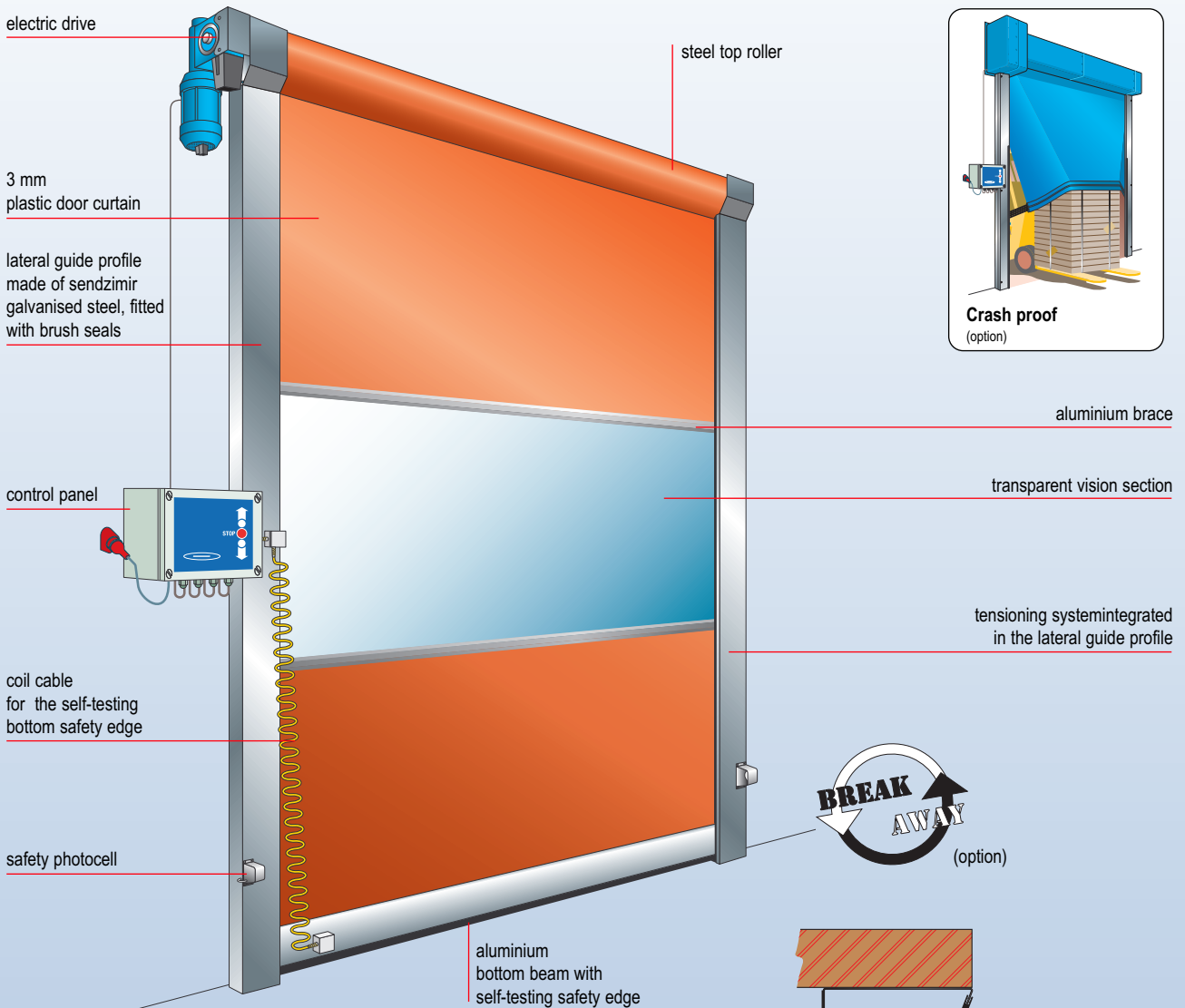


Rapid roll door

Heavy

industrial door for interior and exterior environments



Features

- interior and exterior door
 - maximum dimensions 6000 x 6000 mm
 - wind resistance up to 8 Beaufort *
 - maximum opening speed of 1 m/s
 - lateral guide profile with draught seals
 - door curtain in blue, orange, grey, yellow, green or transparent
 - transparent vision section included
 - drive with roll-off safety
 - wide choice of options and operators
 - low running costs due to door curtain construction in sections and the lack of balance springs.
- * with 'break-away' (option) up to max. 5 Beaufort.

novoferm[®]

The Speedroller Heavy 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 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 soft 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 galvanised steel pressings fitted with brush seals, which can be dismantled for maintenance and repair purposes. The horizontal top roller is made of steel. The bottom beam is made of aluminium. The door curtain is made of 3 mm thick reinforced plastic sheet and is available in orange, blue, grey, yellow or green with a vision section.

Dimensions

- as an interior or exterior door up to a maximum of ...6000 x 6000 mm
- max. wind pressure8 Beaufort
- side space required for lateral guide profiles.....225 mm
- side space required on the non-drive side (roller height)275 mm
- side space required on the drive side (roller height)470 mm
- space required at the side of the opening for sliding the drive unit onto the shaft.....min. 750 mm
- headroom requirement700 mm
- projection out of the wall.....400 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 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 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

- a mains connection point must be available within 500 mm of the position where the control panel will be located.

Technical details

mains supply	3N~400V/50Hz/16A
IP rating	IP54
power requirement	max. 4 kW.

Auxiliary components/ options/ accessories

- HEAVY INDOOR model; 1.2 mm door curtain, blue, orange, yellow, white or black. Note! Only for use as an interior door and wind resistant up to a maximum of 5 Beaufort
- 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); this reduces wind resistance to 5 Beaufort
- unique tensioning system to ensure that the door curtain is always fully tensioned (standard on doors from 3000 x 3000 mm)
- connection values other than 3N~400V/50Hz/16A
- electrical components rated to IP65
- control system with frequency inverter, resulting in:
 - maximum opening speed.....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).

'Crash Proof' option package

- elastic 'Crash Proof' bottom beam
- door curtain is self-repairing after a collision
- control system with frequency inverter is standard
- a light curtain is standard
- wind resistance up to 5 Beaufort
- max. 5000 x 5000 mm
- 1.2 mm door curtain in blue, orange, yellow, white or black with windows.