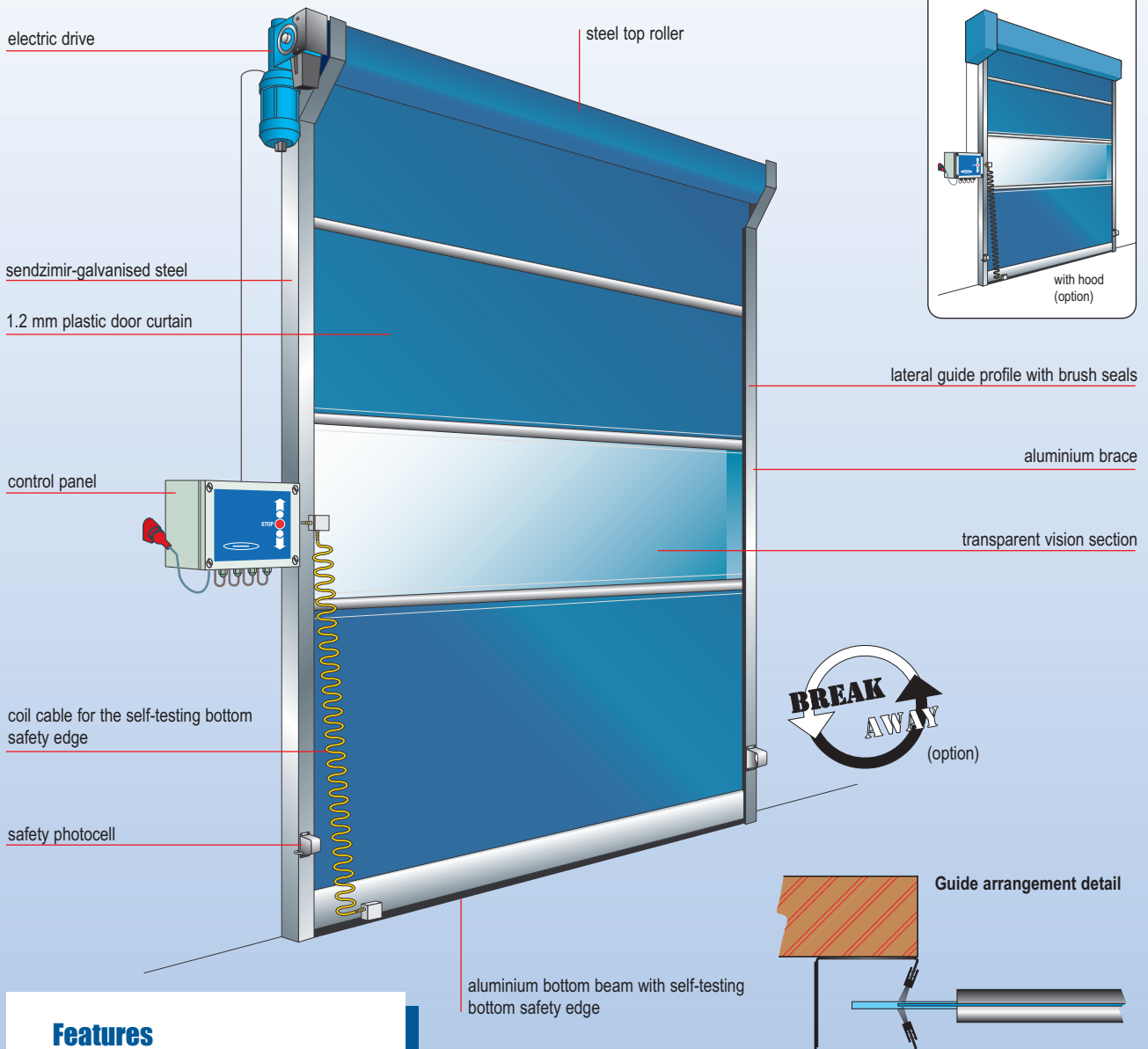


## interior industrial door



### Features

- interior door for openings up to 4000 x 5000 mm
- max. wind pressure 5 Beaufort
- opens and closes at approx. 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'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 optimal 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 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 width .....4000 mm
- maximum height .....5000 mm
- max. wind pressure .....5 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 profiles .....110 mm
- headroom requirement .....575 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 4 pole isolator switch. 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 / 3N~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

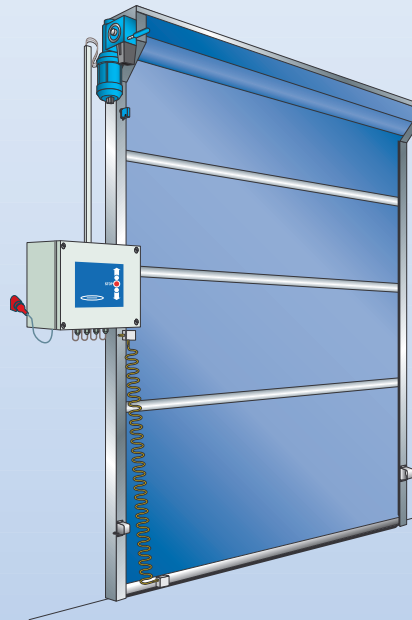
- 3 mm thick door curtain, transparent, blue, grey, yellow, green or orange
- plastic hood over the drive/top roller or both
- lateral guide profiles and hood in a customer-specified RAL colour
- aluminium 'Break Away' guide plates in the bottom beam (crash-resistant)
- connection values other than 3N~400V/50Hz/16A
- electrical components to IP65
- control system with frequency inverter, resulting in:
  - an opening speed of .....approx. 1,5 m/s
  - a closing speed .....approx. 0,75 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

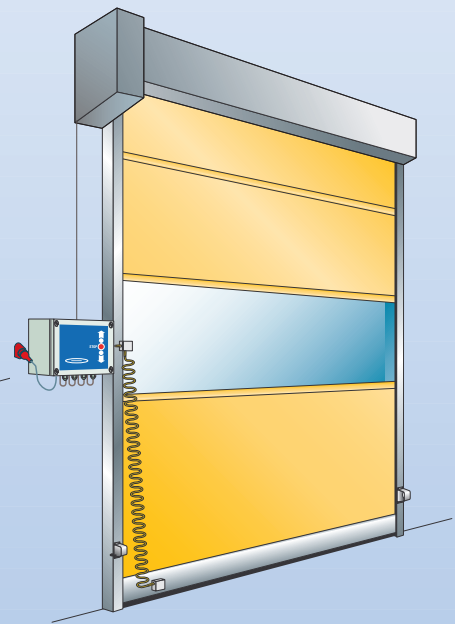
- Economic (see data sheet)
- Food (see data sheet)
- Polara (see data sheet).



**Economic**



**Polara**



**Food**



### Economic option package

- the basic door design is based on the Speedroller
- for use as a no-frills interior door
- the maximum width is 3000 mm, the maximum height is 3500 mm, with a maximum door area of 9 m<sup>2</sup>
- the maximum permissible wind pressure is 3 Beaufort.

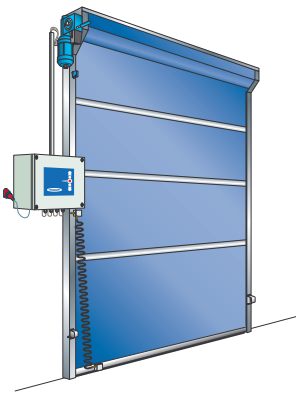
#### specification changes relative to the standard Speedroller

- 0.45 kW drive, without roll-off safety
- the door curtain is made of 0.7 mm thick, polyester fibre reinforced plastic sheet and features a vision section
- available door curtain colours: grey, red, yellow, white, orange, green, blue and black
- compact aluminium bottom beam
- bottom beam fitted as standard with multilene 'anti-crash' guides without an emergency stop interlock
- operation by push-buttons (open-stop-close), without timer control.

#### Options

- high-frequency welded vision windows
- IP65 drive and controls
- active infrared screen for bottom safety edge protection (IRIS)
- one safety photocell
- control panel with timer control
- plastic hood over the drive and/or top roller
- stainless steel lateral guide profiles (304) for food industry environments
- lateral guide profiles sprayed in a RAL colour
- encapsulated braces for food industry environments.

### Polara option package



- the basic door design is based on the Speedroller
- for use in temperatures down to -30°C (freezer rooms for example)
- the maximum width x height is 4000 mm x 5000 mm
- the maximum permissible wind pressure is 3 Beaufort.

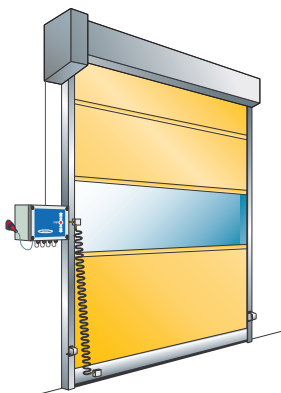
#### specification changes relative to the standard Speedroller

- the drive and control panel are heated and rated to IP65
- the top roller is fitted with a draught seal
- the lateral guide profiles are heated
- plastic wear strips in the lateral guide profiles instead of brush seals
- the door curtain is made of 0.7 mm thick, polyester fibre reinforced plastic sheet
- available door curtain colours: grey, red, yellow, white, orange, green, blue and black
- no vision section or high-frequency welded windows
- 2 radar units for bottom safety edge protection
- bottom beam fitted as standard with multilene 'anti-crash' guides without an emergency stop interlock
- the safety photocell and reflector are heated and rated to IP67
- an ice formation sensor is standard
- the door opens automatically every 15 minutes to remove ice build-up (ice can form if condensation arises when the door opens and closes).

#### Options

- frequency inverter control for an opening speed of approx. 1.5 m/s and a closing speed of approx. 0.75 m/s

### Food option package



- the basic door design is based on the Speedroller
- for use in the food and chemical industries where strict hygiene requirements are in force
- the maximum width x height is 4000 mm x 5000 mm
- the maximum permissible wind pressure is 5 Beaufort
- the door curtain is made of 1.2 mm thick, polyester fibre reinforced plastic sheet
- available door curtain colours: orange, blue, yellow, black and white.

#### specification changes relative to the standard Speedroller

- the top roller is treated for extra corrosion resistance
- the lateral guide profiles are made of stainless steel (304)
- plastic wear strips in the lateral guide profiles instead of brush seals
- the door curtain features encapsulated braces.

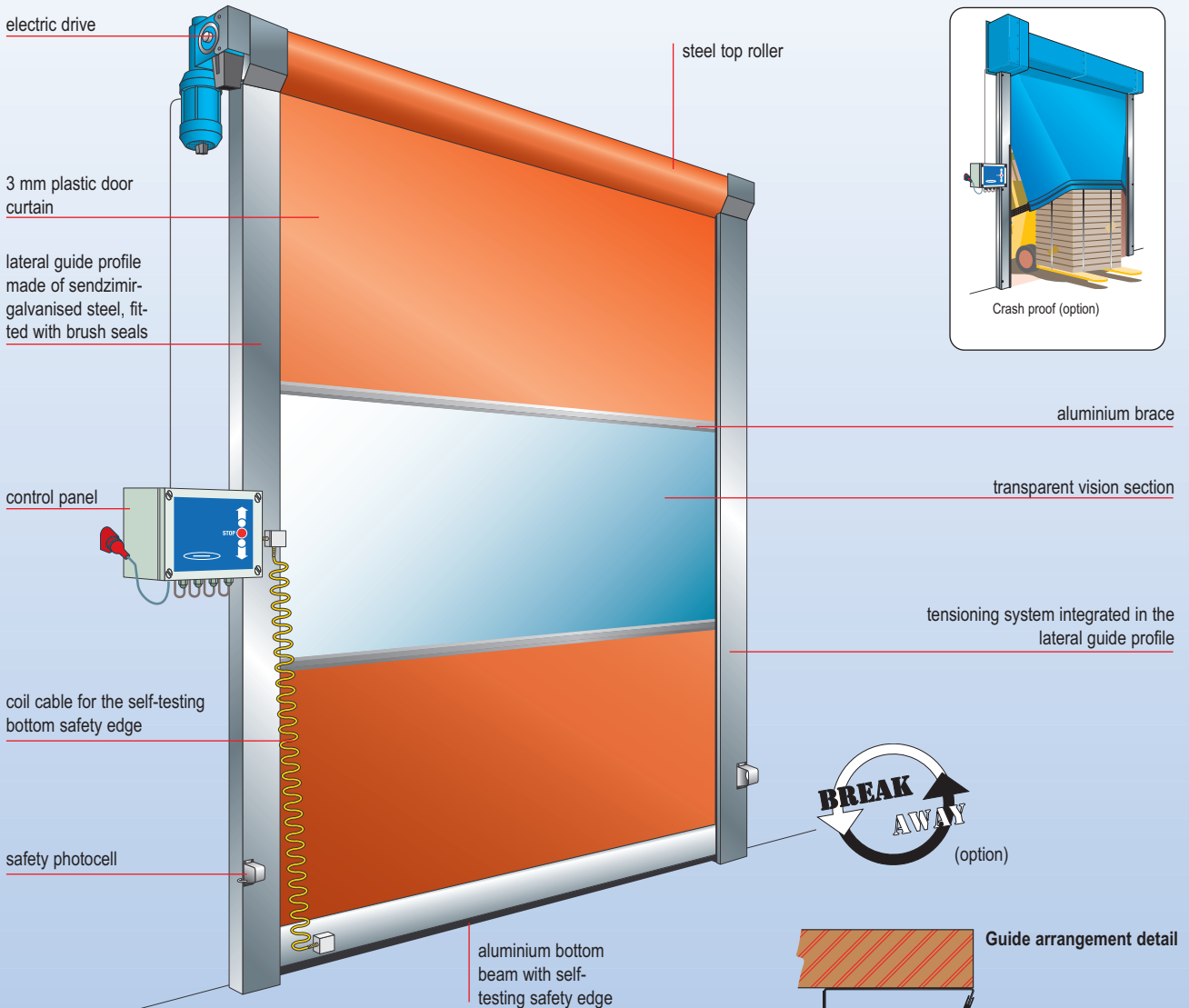
#### Options

- IP65 drive and controls
- stainless steel (304) hood over the drive and/or top roller
- bottom beam fitted with aluminium 'Break Away' guides with an emergency stop interlock
- frequency inverter control for an opening speed of approx. 1.5 m/s and a closing speed of approx. 0.75 m/s.

# Rapid roll door

# Heavy

industrial door for rugged environments



## Features

- interior and exterior door
  - maximum dimensions 6000 x 6000 mm
  - wind resistance up to 8 Beaufort \*
  - opening speed of approx. 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.

*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 pressure .....8 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 requirement .....700 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 4 pole isolator switch. 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:
  - an opening speed of .....approx. 1,5 m/s
  - a closing speed.....approx. 0,75 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.