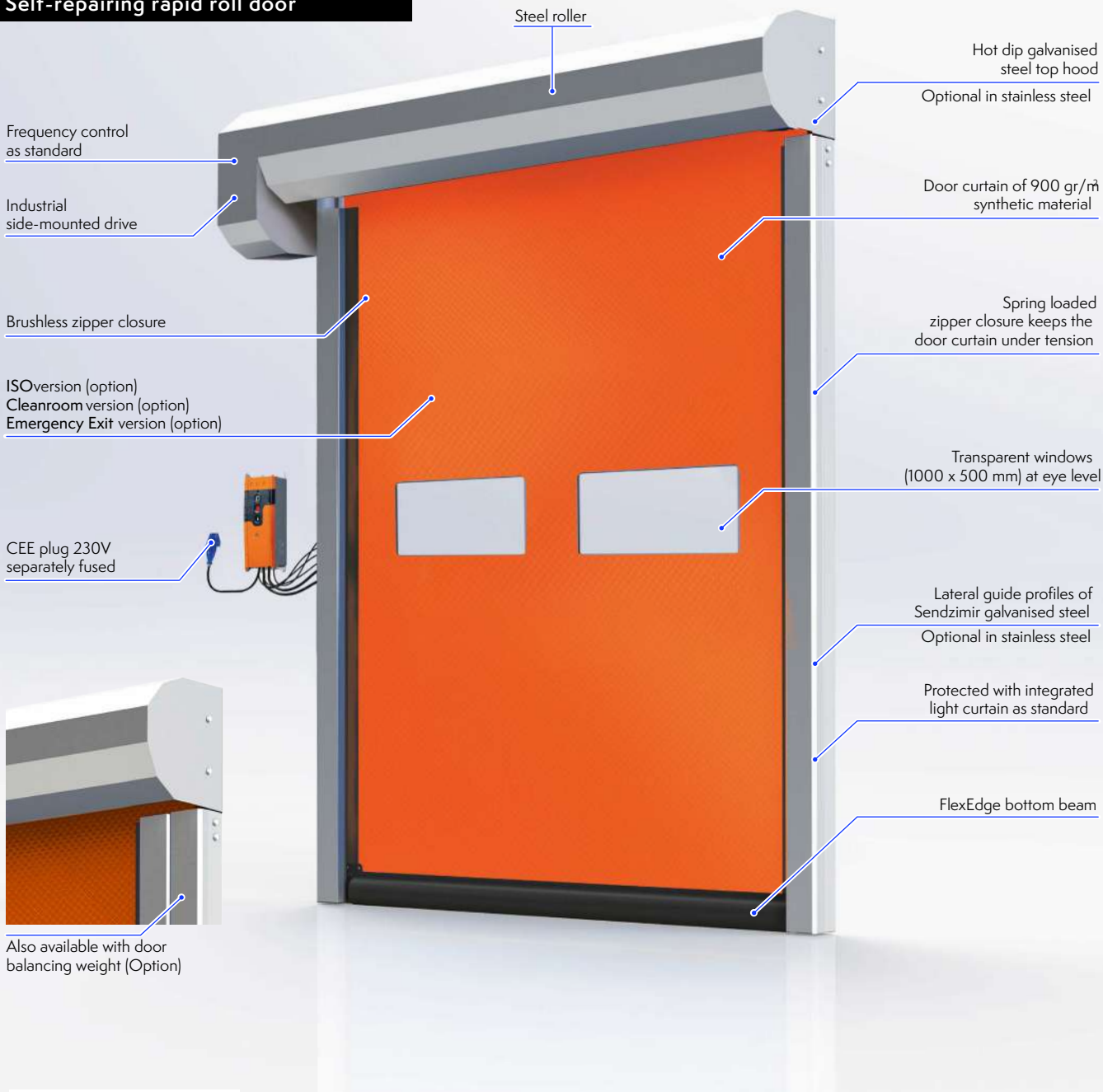
SpeedRoller

Self-repairing rapid roll door



NextGen Industrial Doors

NOVOZIP

Self-repairing rapid roll door

Properties

- max. W x H = 4,500 x 4,500 mm
- wind load resistance minimal class 3 according to EN 12424, or up to 103 - 117 km/h) [1]
- opening speed with Frequency Control max. 2.0 m/s, closing speed approx. 0.5 m/s
- 900 gr/m², class M2 door curtain in white RAL 9016, yellow RAL 1003, orange RAL 2004, red RAL 3002, blue RAL 5005 / 5002, green RAL 6026, gray RAL 7038 and black RAL 9005
- the solution for optimal logistics, continues to function reliably even under heavy use
- EN13241 compliant

SpeedRoller **NovoZip**

The self-repairing NovoZip high speed door is the ideal solution for fast and frequently used passages. The self-lubricating rails in particular contribute to this. The self-repairing opperation reduces interruptions and guarantees a minimal delay in your production process. The NovoZip is intended as a fast, user-friendly partitioning of spaces and provides energy saving, draught exclusion and climate control. The result is significant energy savings with NovoZip installed.

Dimensions	
max. width (W)	4,500 mm
max. height (H)	4,500 mm
max. surface area	20,25 m²
max. wind force[1]	Cl. 3 / 11 Bft
required lateral space at the guides	110 mm
required lateral space at slip on drive [2]	310 / 610 mm
required space above door opening	500 / 565 mm
depth top hood	370 mm
required depth for mounting top hood	650 / 700 mm

Components and construction
The NovoZip has a 900 gr/m² class M2 door curtain made of a polyester-reinforced synthetic material, with a flexible rubber sealing profile at the bottom. The steel columns with a zipper closure ensure the guidance of the door curtain. These form one taut unit with the top brackets for the fastening of the roller and protective hood.

Materials
The guides and roller are made of galvanised steel. The PVC door curtain has a polyester reinforcement inlay. The FlexEdge bottom beam is made of PVC. The protective hood is available in galvanized steel or optionally in stainless steel. All PVC parts can be recycled.

Colours
The door curtain is available in 9 colours. The door curtain can be provided with transparent windows (option). The steel guides and top cover are in galvanized steel as standard, but a powdercoating with your choise of RAL-colour is also available as an option [1]

Drive
The drive consists of an electric motor with reduction unit, mounted at the side of the roller. Drive side available left or right (standard)

Technical details electric motor
- mains voltage ..... LNPE~230V/50Hz/16AT
- degree of protection..... IP65
- consumed power ..... max. 1,5 kW

Protection
- the door can be manually opened in the case of a power loss
- safety light curtain and to max. height 2500 mm. If this curtain is interrupted by an obstacle the door will automatically fully open until the screen is freed again. This does not apply to the door in closed position.

Performance	
max. opening speed	2.0 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 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 usualy 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 such as:
- adjustable open time or so called 'Dead man control'
- LED display for control of the various functions
- permanently open or permanently shut
- service and run mode

Depending on the size and application of the door you can choose between two types of control:
- GFA TS971
- GFA TS981

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 [3]

Control and operation
- additional controls as described above available at surcharge
- 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)
- orange flashing warning light
- steel bumpers to prevent damage to the guide columns

Construction
- door leaf balancing by means of weights (if the opening height is between 2500 and 3000 mm)
- **Cleanroom** version: extra thick 1,050 gr/m² white door curtain with draught seal, air permeability Class 3 according to EN 12426:2000
- **Emergency Exit** version: in case of emergency the door leaf will unzip. Max. dimensions 3000 x 3000 mm
- **ISO** version: 8 mm thick, plastic fabric with high-efficiency insulation
- **Stainless steel** version: cover and guide columns in stainless steel
- bevelled topcover for outdoor use
- 1000 x 500 mm transparent plastic windows: from 940 mm to 2500 mm wide 1 window, up from 2500 mm wide 2 windows
- guide columns and top cover in a customer-specified RAL colour (powder coating)

[2] Required lateral space for mounting the slip on drive. There are two versions:
- attach the drive on the shaft **before** mounting the top section, the required lateral space will be 310 mm
- attach the drive on the shaft **after** mounting the top section, the required lateral space will be 610 mm

[1] Depending on the configuration [3] subject to surcharge

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