



INTERDOOR SPECIALIST INDUSTRIAL DOORS

STRONG & ECONOMIC
High Speed Doors

- Maximum w x h: 3500mm x 3000mm
- Max Opening Speed: 1.8 m/s
- Max Closing Speed: 0.5 m/s
- Wind Resistance: Up to 5 Beaufort
- Door Curtain Thickness: 0.7mm
- Door Curtain Colours: Blue, Black, Red, White, Orange, Yellow, Grey
- EN13241 compliant

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STRONG ECONOMIC

The **Tornado® Strong Economic** Door is Interdoor's 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 use and enables energy saving, draught exclusion and climate control within the building.

Dimensions	
max. width (W)	3000 mm
max. height (H)	3500 mm
max. wind force	5 Beaufort
required lateral space at the guides	175 / 200 mm
required lateral space at slip on drive	300 mm
required lateral space at drive for fitting	410 mm
lateral space at side guide profiles	145 mm
required space above	350 mm

Components and Construction

The **Tornado® Strong Economic** 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 panels or insect netting sections. The bottom of the door curtain has a solid **HardEdge** bottom beam; however, a flexible **FlexEdge** bottom beam is available as an option. U-shaped columns with side seals ensure lateral guidance of the door curtain. The lateral guides are on 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 removeable 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 made of soft rubber. The door curtain is 0.7mm thick PVC with a polyester reinforcement inlay.

Colours

The door curtain is available in blue, black, hite, grey, graphite grey, red, orange or yellow.

Drive

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

Mains Voltage:	3N~400V/50Hz/16A
Degree of Protection:	IP65
Consumed Power:	max.2kW

Protection

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

Structural provisions and connection

- A flat mounting frame and the necessary mounting space must be available
- Exact installation dimensions in the Technical Datasheet
- Within 500mm radius of where the control unit will be positioned, mains voltage must be available for electrical connection
- The control box is usually fitted at a height of approx. 1,500mm from the floor on the drive side
- With a 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 opentime
- service and runmode
- 7-segment display for control of the various functions
- Permanently open or permanently shut

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

- operation by push-button, pullswitch, key-operated switch, photocell, radar, induction loop detection or by radio control.

Optional Extras*

Control and operation

- frequency control
- additional controls as described above
- control box directly wired (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 rubber '**FlexEdge**' bottom beam
- Window sections made of transparent plastic
- 600 x 600 mosquito netting windows
- Stainless Steel columns
- PVC, metal or stainless steel hood
- hood and PVC cover in customer specified RAL colour

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