

HIGH – SPEED DOORS

Speedy - Sector

Roll-up doors with interchangeable panels

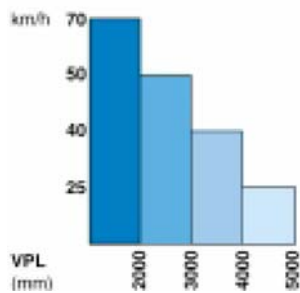


SECTOR

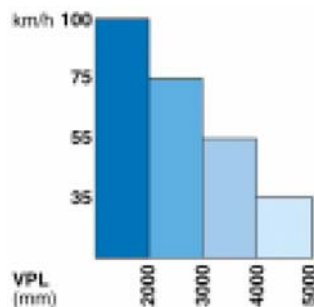
A perfect combination of functionality and performance

Entrances subject to heavy and continuous traffic require quick operating doors of compact design suitable for intensive use. In addition to these characteristics, Sector quick roller doors feature an integral design in which the actuator, controls, safety devices and balancing systems are all built into one. In addition to being very economical, Sector doors are structurally highly flexible with transparent or coloured interchangeable panels. This means that in case of accidental impact, the damaged panel can be easily replaced.

Wind resistance graphs



Sector with standard panels

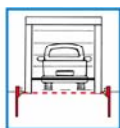


Sector with reinforced panels

Control and safety systems



Flashing light



Infrared photocells



Magnetic coil detector



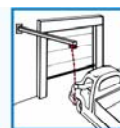
Radar



Radio-frequency transmitters and pushbuttons



Electric and pneumatic pushbuttons



Electric chain-mounted overhead pushbuttons



Traffic lights

Sector doors feature the following characteristics:

- a **compact metal structure** built out of galvanized steel which may be powder coated in a wide range of standardized RAL colours or, alternatively, out of AISI 304 stainless steel with a fine satin finish;
- **space-saving** dimensions, especially in height, so as to facilitate installation even in restricted areas;
- a **self-supporting box** incorporating all drive mechanisms for easy door mounting on appropriate jambs;

- a metal-section **safety hip** which may be fitted with a pressure switch system or a self-controlled photo-cell device, featuring a special design for a good seal;
- an **automatic panic device** (optional) which, thanks to the action of counterweights, permits manual opening of the door in case of power failure;
- extra **wind resistance** of the standard door thanks to a number of reinforced panel bearing sections.



Sector

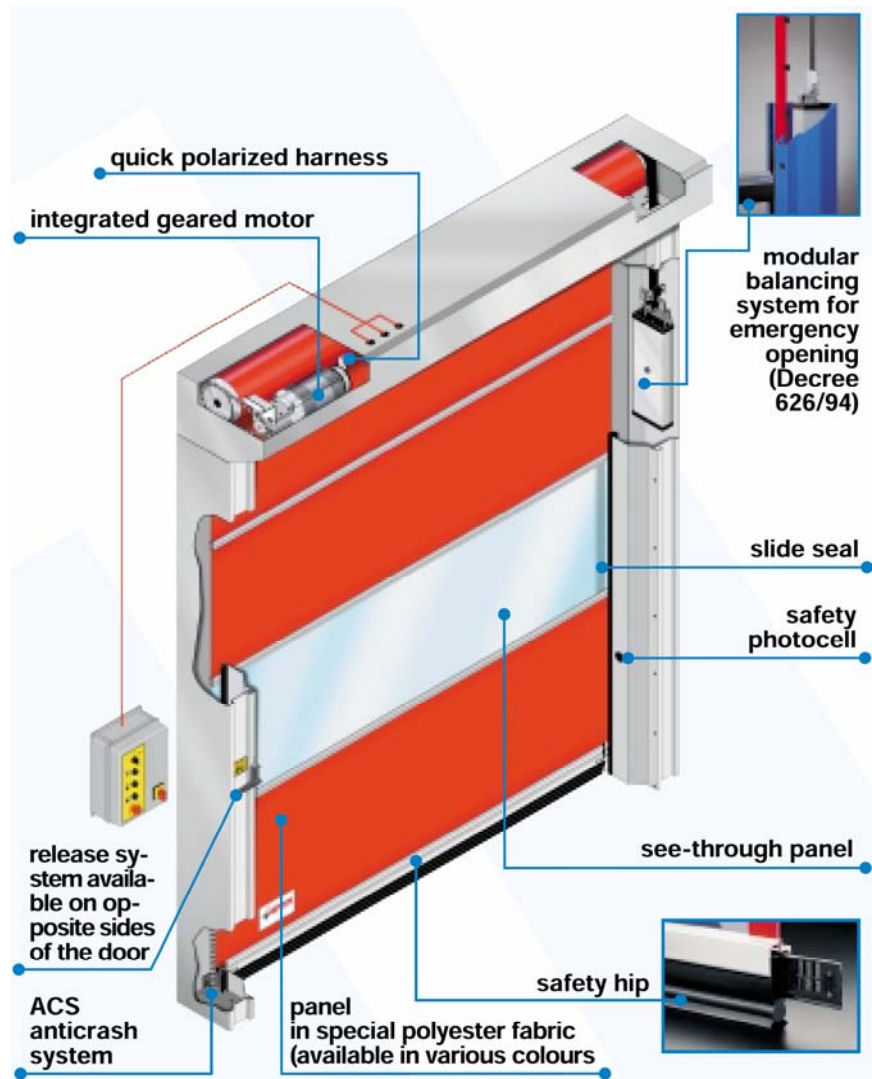
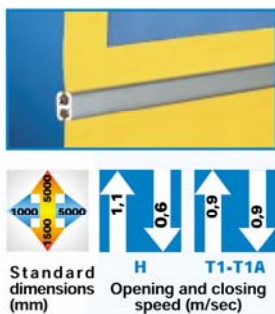
Maximum structural versatility is the hallmark of these rapid doors. According to requirements, flexible curtainpanels can be combined with partially or wholly see-through ones so as to enhance visibility and safety.

Sector doors feature:

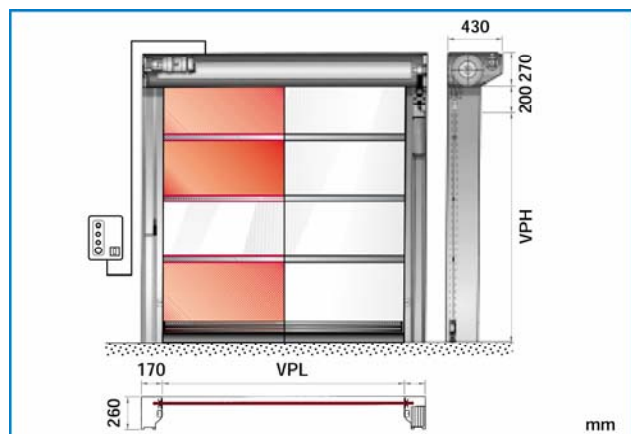
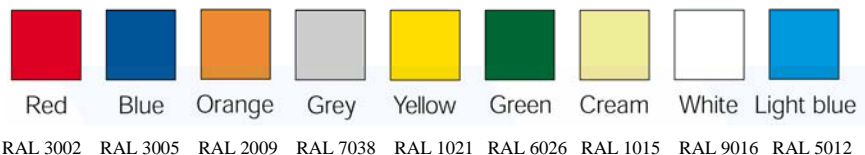
- **modular panels;**
- a reliable **modular counterweight balancing system** with study traction belts for minimum motor-working load. The counterweights also ensure against **accidental door dropping** (as prescribed by Decree No. 626/94);
- a **safety edge** for immediate re-versal of door movement with an **ACS anticrash system** fitted along the edge which, through special skid switch preset breaking load, prevent door and edge being damaged in case of accidental impact;
- an **outside control board built to IEC standards**, with self-test function and with the most advanced operating logic;
- an **emergency release**, available on both sides of the door, for disengaging the counterweight balancing system so as to permit manual reopening of the door;

- **quick polarized wiring** for
- a **three-phase actuator** for intensive use comprising motor, reduction gear, brake, limit switch and release in a single integrated module;
- a **dc motor** (optional) complete with batteries affording a number of advantages such as operating continuity in case of power failure, last opening/closing manoeuvre or emergency release as well as adjustable speed with acceleration and deceleration ramps.

Modular panels permits to vary door make-up as required and to replace worn or damaged panels.



Panels may come in the following colours:



Technical Features

Motor	Sector T1
max. passageway	5000 x H5000 mm
min. passageway	1000 x H1500 mm
standard power supply voltage	400 V, 50/60 Hz
power input	3 A
auxiliary control power voltage	24 V CC
motor rating	0,9 kW
control board with autotest	external
pushbutton panel (open/close/emergency stop)	yes
control board protection class	IP 55
max. opening speed	0.9 m/s
closing speed	0.9 m/s
blind or windowed panel material	polyester
blind or windowed panel thickness	0.6 mm
polyester self-extinguishing class	class 2
see-through or windowed panel material	pvc
see-through or windowed panel thickness	2 mm
see-through panel self-extinguishing grade	DIN 4102
counterbalancing system	modular counterweights
tensioning system	gravitational
wind resistance	see graph
operating temperature	-5 to + 50 °C
emergency re-opening	semiautomatic
automatic panic device	no
ACS anti-crash system	yes
box coating	yes
safety hip with internal wiring	yes

Options	Sector	Sector INOX
Release handle on the second side	yes	yes
Key-selector on the pushbutton panel	yes	yes
Logic interlock for double door	yes	yes
24V Flashing light	yes	yes
Additional photocell built into the jambs	yes	yes

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