

PR13

Rolling High-speed Door

with Self-repairability and High Tightness.



Technical Description.

Inkema PR13 Self-Repairable has been designed for indoor/outdoor use in for its use in industry, warehouses, logistics, public transport, automation, retail and any kind of productive plant with an intense traffic of goods, ensuring at all times a high level of airtightness.

Inkema PR13 High-Speed Door is designed with flexible bottom beam which is quite different from hard metal beam of regular rapid doors. When there is a collision accident by forklift or other vehicles, it will get out from side frame and not be damaged. Then the curtain will automatically enter the side rail through a pull-back device at the top of the rail. And it will recover automatically.

Technical Features.

- **Application:** Indoor/Outdoor
- **Max. Size:** 6000 × 6000 mm (width x height)
- **Material (structure):** Lacquered Steel. (Galvanized and/or optional Stainless Steel 304)
- **Max. Speed:** Opening: (~1,6m/s)
Closing: (~1,0m/s)
- **Canvas Material:** High-Resistance PVC (1,300g/m²)
- **Safety:** Light Curtain
Unwinding Photoelectric Cells
- **Wind Resistance** Class 3: ≤ 4000 × 4500 mm. (EN12424)
Class 2: ≥ 4000 × 4500 mm. (EN12424)
- **Life Cycle:** 250,000 cycles.

Additional Features.

Features	● ○
Light curtain	●
Frequency inverter	●
Uninterruptible Power Supply (UPS)	○
Unwinding Photoelectric Cells	●
Extra opening options	○
Motor cover	○
Frontal Motor	○
A row of small windows	●
Second row of small windows	○
Additional push button panel	○
Extra opening options	○

● Standard Feature ○ Optional Feature *For other options, consult Customer Service.

The **self-repairing high-speed door (PR13)** has been calculated and designed according to the following European Standard: **EN 13241-1**

Operation.

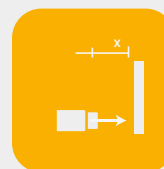
- Electronic limit switch (encoder)
- Supply voltage: 1x230V N-PE (single phase)
- Controller off at main switch
- Emergency stop (optional)
- Manual emergency/Maintenance opening
- Uninterruptible Power Supply (optional)



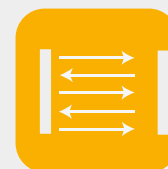
Safety Systems.

The PR13 features a **dual safety system**: a **light curtain** for detecting people and objects that may interfere with its movement, and an **unwinding photocell**.

The **unwinding photocell** is used to detect any misalignment and ensure proper operation. The **light curtain stops** the door and makes it retract to the initial position upon detecting an object or person.

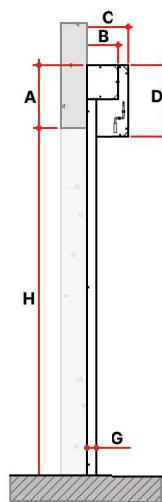
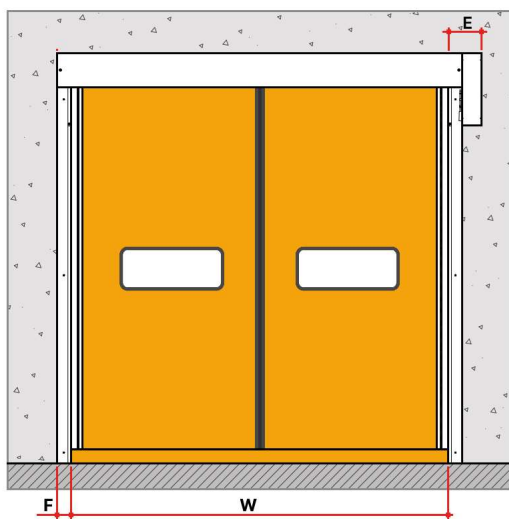


Unwinding Photocell.



Light Curtain.

Dimensions.



Photocell Curtain and Guide Rail.



Accidental Exit Detail.

H	W	A	B	C	D	E	F	G
6000(2000)	6000(820)	590(490)(900)	360(260)(400)	360(260)(500)	530	490	120	145

Color range.

Frame:



Canvas:

