

# NBS Specification

## Gilgen Kwikroll KR515 SE – Internal High Speed Vertical Rolling Doors

Gilgen Kwikroll is a range of high speed vertical rolling fabric doors for low security and internal or external applications. They are always supplied with power operation for automated use and are specifically designed for vehicle flow solutions to enable frequent use and minimise environmental exchange.

### Standard details for Kwikroll KR 515 SE High Speed Vertical Rolling Doors:

- **Manufacturer:** Gilgen Door Systems Ltd
- **Product Reference:** Kwikroll KR515 SE
- **Arrangement:** Face fixed  
Reveal fixed
- **Curtain Colour:** RAL 1018 – zinc yellow  
RAL 2004 – pure orange  
RAL 3002 – carmine red  
RAL 5010 – gentian blue  
RAL 7038 – Agate grey
- **Frame/Guides:** Manufacturers standard – self finish galvanised steel  
Brushed stainless steel V2 A  
Polyester powder coated galvanised steel, coated RAL ref
- **Operation:** Manufacturers standard gear motor with frequency converter - control  
2 push button (open/close)  
3 push button (open/stop/close)  
Induction loop  
Infrared movement and presence detector  
Mushroom button  
Pull switch with bracket arm  
Radar movement detector  
Radio remote control
- **Emergency Operation:** Manufacturers standard – high level hand crank  
Optional – Automatic opening via UPS during power failure
- **Safety (power operation):** Standard – contact safety edge and none contact safety beam  
Optional – secondary post mounted none contact safety beam  
Optional – stand-off presence sensing devices to detect the – Presence of pedestrians approaching door zone  
Optional – none contact light curtains
- **Outputs:** Traffic lights

## Guidance

As standard

## Application

Cost effective internal door with soft edge protection (max size: 5000mm wide x 5000mm height)

## Operation

Manufacturer's standard geared motor with frequency converter control for continuous door operation with low wear and long service life.

## Curtain thickness

- Fabric: 1.5 mm.
- Vision panel: 2.0 mm.

## Speed (open - closing) options

- 0.8/ 0.8 m/s.
- 1.0/ 0.5 m/s.
- 1.5/0.8 m/s.

## Wind protection

Aluminum profile DIN EN 12424 Class 2

## Options

### Components

A selection of drive and control systems, flexible curtain fabrics and compositions are offered to suit different applications. Electric operation is with a range of motors and controls for both 240v single phase and 400v 3 phase supplies. A comprehensive range of vehicle detectors, hand transmitters, receiver units, push-button controls, key switches, photocells, signal lights and digital control units are also available as alternatives or in addition to the standard control units. Reliable operation and safety in use are of high priority with safety systems a both impact safety edges and secondary none contact safety beams supplied as standard on most models.

## Dimensions

- Width (maximum): 5000 mm.
- Height (maximum): 5000 mm.

## Finish:

The fabric curtains are available in a range of colours and transparency, and the main metal work structure and optional casings are normally a galvanised self finish, but optional polyester powder coat finishes and special stainless steel materials can be supplied.

## Emergency operation

Automated opening mode via an integrated UPS battery system in the event of a power failure.

## Health & Safety: Pedestrian Usage of High speed doors

The HSE recommends an electro- sensitive device such as an additional post mounted photocell positioned no LESS than 0.9m and no greater than 1m away from the door line , to the front and rear of the door, with barriers between the door and the posts to prevent pedestrians entering the unprotected area other than through the safety beam. Alternatively active presence sensors can be used above the door head to provide threshold safety zones.