

# NBS Specification

## SRM automatic circular sliding door system

SRM 180° and 360° automatic curved sliding doors are available in both convex and concave shapes in any desired radius – six standard radii are available. Furthermore these solutions are also suitable for use as an emergency escape route.

Gilgen solutions are suitable for high volume, heavy duty, retail trade, hotels, offices, airports, stations, hospitals, schools, colleges, garden centres, leisure facilities and production facilities including pharmaceutical environments.

All equipment is designed to meet the rigorous safety requirements of; Part M of the Building Regulations, The Equality Act 2010, BS8300:2009 and BSEN 16005:2012. Furthermore equipment is installed by Automatic Door Suppliers Association (ADSA) accredited engineers.

### Standard details for SRM automatic circular sliding door system

- Product reference SRM automatic circular sliding door system

#### Product properties

- Door configuration Convex installation  
Concave installation
- Operating angle: 180°  
360°
- Track radius: 1000 mm - 2000mm
- Clearance width 1200 to 2530mm
- Height Up to 2500mm
- Finish: Silver anodized  
Powder coated RAL - insert colour requirements
- Door leaf weight Up to 120kg
- Drive operation SRM
- Glazing Laminated safety glass VSG 8/2
- Control Bedis hard wired control unit
- Activation Integration with access control systems  
Manual push pad  
Motion sensors
- Locking and security: Installation specific; please consult manufacturer
- Door movement guide: Recessed floor track  
Surface mounted fixed point guide

- Rear door safety Rear edge safety sensors

## As standard for SRM automatic circular sliding door system

### Door profile

40mm thick

### Drive system

SLM drive unit incorporating both auto reverse safety mechanism and safety stopping mechanisms

### Drive case:

- Concave (h x d): 200 x 250 mm.
- Convex (h x d): 200 x 300 mm.

### Safety

To protect pedestrians when entering the door threshold area, two infrared light detectors protect the walk through area. If the light beam is cut by pedestrians entering the door threshold area the doors are prevented from closing or causes the closing motion to be reversed.

### Operation

24V DC motor with microprocessor controller which allows extensive options for opening width, electric locking, summer/ winter modes, exit only, manual control, speed of opening and the length of time the door is open.

### Control:

- Bedis hard wired programming key pad, designed for installation in a central control panel. Configured for Automatic/ Manual/ summer/winter/ Night/ Exit/ Open door operating modes.

### Power requirements

230V single phase. Please note a 13A LIVE neon lit fused spur supply, protected by a 30mA RCD MUST be provided by OTHERS prior to installation. In compliance with BSEN 16005 the mains connection must be capable of disconnection to safeguard against unintentional and unauthorised reactivation .

## Options for SRM automatic circular sliding door system

### Door clearance width:

Door clearance widths (mm)

Convex

1215/1472/1729/1986/2243/2500

Concave

1247/1504/1761/2018/2275/2533

### Safety and security

- Failsafe system ( battery back- up)that enables up to 30 minutes operation (subject to use) in the event of a mains failure. This fail safe system is automatically tested at least once every 24 hours.
- Fire alarm interface connection enabling door leaves to fail safe to open in the event of an emergency. In compliance with BSEN 16005 door sets with a clear opening width of up to 2000mm open by at least 80%

within 3 seconds after activation by the activators in the escape direction (or within 5 seconds in the event of the loss of power.)

- Automatic locking within drive mechanism
- Automatic stay bar locking CLS
- Manual unlocking inside
- Manual unlocking outside

#### **Door movement guide:**

- Surface mounted fixed point guide enhances efficiency of door movement
- Recessed floor track, helps further improve door security as well as improved weather sealing and resistance to strong winds and driving rain.

#### **Approvals**

- Conformity EC of Machinery Directive 2006/42/EC
- TUV Nord
- EN 60335-1:2005
- EN 61000-6-2:2006
- EN 61000-6-3:2007
- DIN 18650-1 & DIN 1850- 2 : 2005
- ISO 9001: 2008