

# SWB100

## Tubular Automatic Swing Barrier



Date: 28 August 2015, Revision: V2

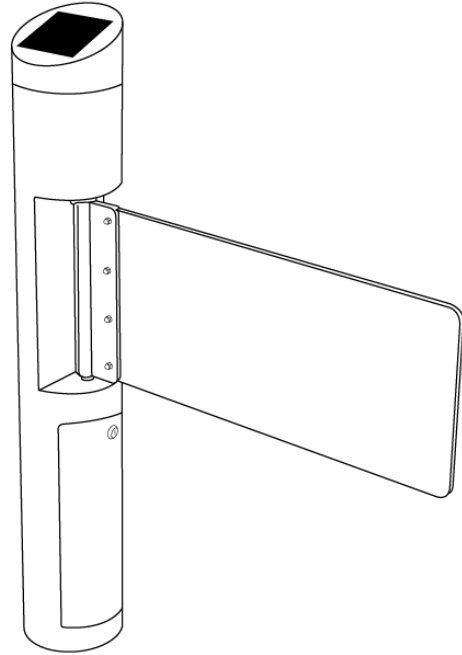
### General Description

MAG SWB100 is an automatic motorized stainless steel tubular swing barrier. SWB100 has smallest installation footprint while offering widest opening clearance to allow big boxes, trolley, wheelchair, baby stroller or user with big luggage to pass through with comfort. Swing barrier compact size help to save space and can fit into narrow places.

### Application

SWB100 is typically used together with flap barrier or turnstile as manual lane for handicapped user or user with big luggage. SWB100 is suitable for low traffic light duty application.

SWB100 is for indoor usage only.



### Features

Support bi-directional opening

Can integrate with access control system.

- Trigger to open by dry contact. Automatic close back after auto timer elapsed. Delay time can be programmed on swing barrier control panel.
- Trigger to open by dry contact (NC) and close by dry contact (NO). This allowed access control reader to control swing barrier opening and closing time.

During power failure, swing barrier will automatically open up to allow free access. When power resume, swing barrier will automatically close back to resume security level.

Built in clutch that will automatically disengage motor drive from gearbox when the gate is obstructed. Clutch release reduce impact force to minimum in the event that gate closed onto passing users. This protects the motor and control panel from being damaged due to overload.

Optional safety IR beam can be added to auto reverse the gate upon detecting obstacle in the passage way. This way the gate is reversed before even hitting user that is still in the passage way. More safety to the user.

Gate length can be easily customized to fit site requirement.

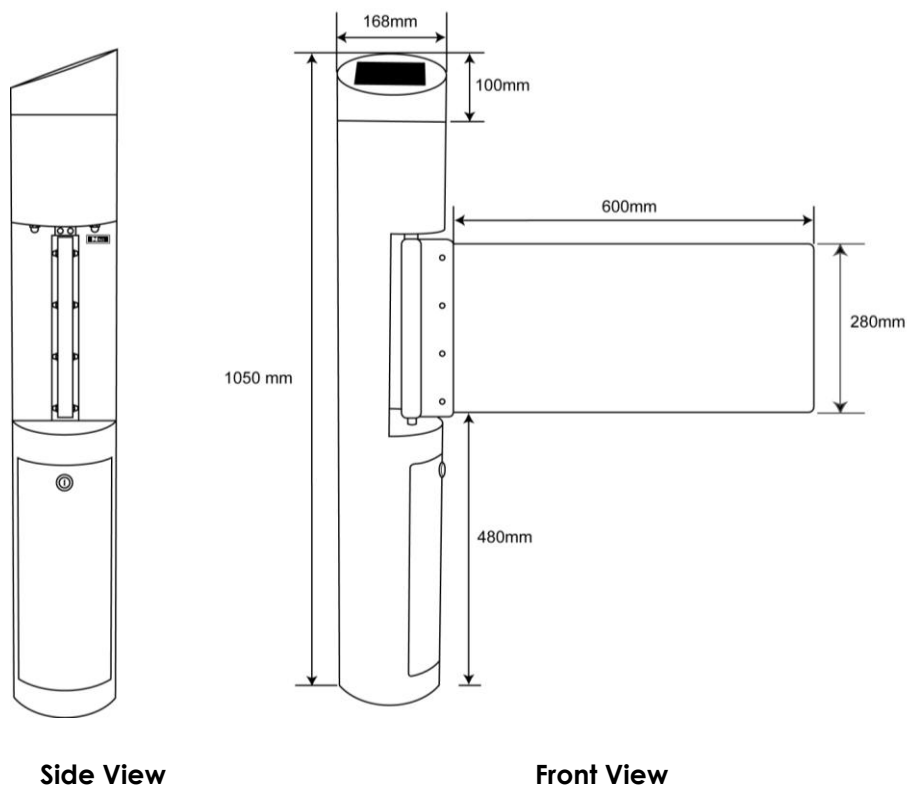
Auto synchronized opening when 2 swing barriers are installed for the same passage. Both side will open and close at the same time

Gate motor mechanism is self lock at open and close position.

## Technical specification

Description	Parameter
Cabinet dimension	168mm (Diameter) x 1050mm (H)
Weight	30 kg
Default gate length (transparent arylc)	630 mm
Cabinet material	# 304 stainless steel, 2.0 mm
Power supply	AC220 $\pm$ 10%V/50 $\pm$ 10%HZ
Motor voltage	DC 24V (brush motor)
Access device input voltage	dry contact
Optimal flow rate	20 to 25 people per minute
Gate swing angle	90 deg per side
Gate opening speed	2.2 sec
Reset time when power on	3s
Working environment	Indoor only
Working temperature	-25°C - 50°C
Relative humidity	$\leq$ 90%

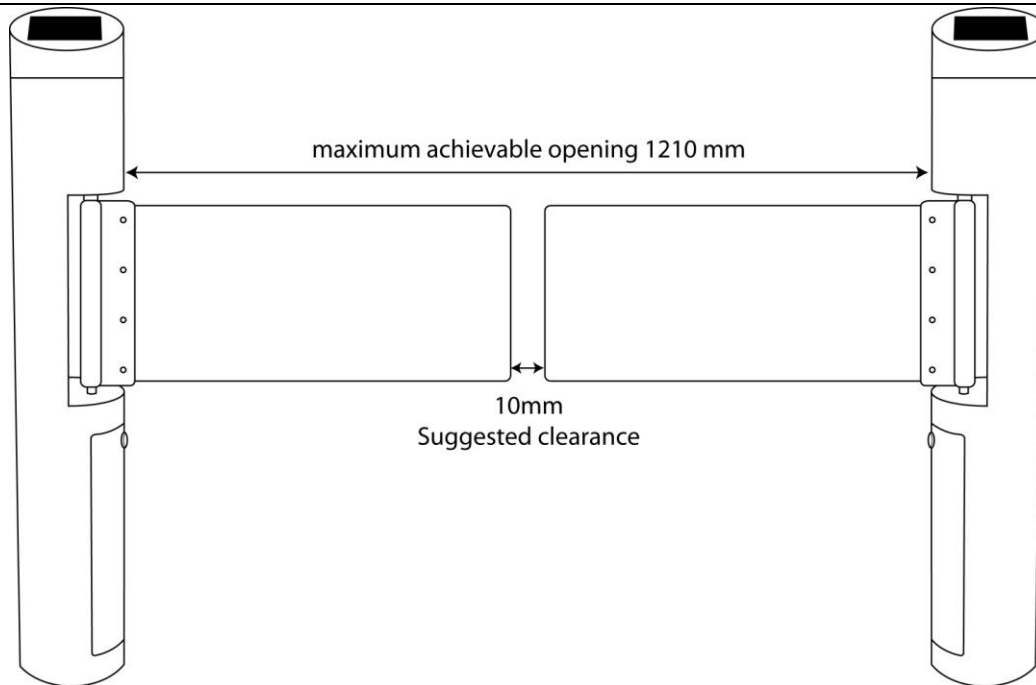
## Dimension



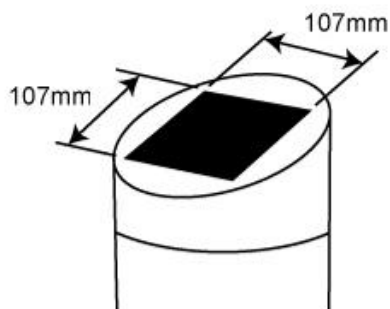
Side View

Front View

Top View



**Front View**



**Acrylic plate (reading area) dimension**

**Ordering info**

Swing barrier model: SWB100

**Accessories:**



Safety photo beam : EQ501

Authorized dealer:

**Disclaimers**

Applications that are described herein for any of these products are for illustrative purposes only. Drawing does not necessary reflect exact assembly/installation. MAG makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

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