Gunnebo GyroSec

Motorised security revolving door for internal/semi external installation

GyroSec is a premium security product in the Gunnebo Turnstiles offering. It is an elegant design able to maintain visible the existing finished floor, offering a choice of security levels preventing tailgating and piggybacking.

As option, is available a basic anti piggy backing APB providing an adequate compromise on performance and price, and also an advanced APB optional system for a greater performance and passage flow.

It offers simultaneous authorised entry and exit and both directions are electronically controllable. On receiving a signal from the access control system or push button, the door wings rotate to allow authorised passages. Should the authorised user not use the first available sector, the GyroSec will allow valid entry through the next sector. GyroSec enforces both rejecting and alarming upon potential unauthorised use and avoids entrapment. GyroSec also prevents unauthorised passage from the opposite direction whilst a valid passage is being made in the other direction.

This is achieved via sensors located in the ceiling that continuously monitor all door sector.

Safety is guaranteed by adjustable torque sensing and safety egdes for the forward and reverse directions. Emergency wing break-out facility is available.

GyroSec offers as standard a day-mode functionality selectable in entry or exit or both directions to leave a free passage and turn security to the highest degree when needed.

All parameters and functionalities are programmable via a user friendly tablet interface.

A complete list of accessories and options, includes manual or mothorised night shutters, and a wide selection of finishes and dimensions.

GUNNEBO®
Entrance Control

Technical specifications

Drive
Motorised security revolving door. Safety torque sensing. Logic Voltage 24V DC.

Materials
Frame and cornice: Embossed painted steel section powder coated finish RAL color 9006
Frame glazing: 11/12 mm laminated safety glass P4A BR1/S (in accordance with EN356-EN1063)
Rotor wings: Aluminium frame, finish silver RAL 7040. 11/12 mm laminated safety glass P4A BR1/S (in accordance with EN356-EN1063) - safety manifestations on moving glass wings
Ceiling: Laminated HPL finished Pearl Grey

Walkway down lights
3 sector and 4 sector recessed low voltage
Mains LED down lights are positioned within the ceiling over each quadrant.

Power Failure / Fire Alarm
The wings will rotate by the inbuilt battery back up (BBU) to the safe position in order to allow to escape from each sector and stop and become inactive. The door will remain in this position until power is restored. A normally closed (NC) signal is required from others to effect this state.

Technical data

Power Supply	230Vac 50 Hz or 115Vac 60 Hz
Power Rating	230V AC - 1,4 A/115V AC - 2,8 A
Logic voltage	24V DC
Operating Temperature	From 0° to 50°C
IP rating/ MCBF/MTTR	IP33/1,5M cycles / less than 30 min
Flow Rates (approximate figures):	Proximity Reader: "Hands Free", 48 passages per minute (simultaneously in both directions) Pin Pad: 30 passages per minute (simultaneously in both directions) Proximity Reader + Pin Pad: 20 passages per minute (simultaneously in both directions)

Models
- 1500 mm Internal diameter 3 wings
- 1600 mm Internal diameter 3 / 4 wings
- 1800 mm Internal diameter 3 / 4 wings
- 2000 mm Internal diameter 3 / 4 wings
- 2180 mm Internal diameter 3 / 4 wings

Additional Interface
Momentary zero volt (0V) normally open (NO) signal is provided by either a card reader or push button input of duration between 0.5 and 1.0 seconds. The card reader inhibits, resets, and passage confirmation as standard.

Options

Alternative finishes and materials
Breakout wings
External night automatic & manual version shutters
Net height 2.3 - 2.5 [m]
Floor carpet (grey)
APB* system - BASIC.
APB* system - ADVANCED
Anti-panic push button
Card reader integration
Push button control
Status light pictograms
Metal Detector (MD) only for 1600 4 wings
BR2, BR3, BR4 and BR6
RC3 RC4 EN1627

Benefits
- Premium high security solution
- Elegant design
- Efficient flow management

Applications

Government
Banking
Research & Science
Education
Information Technology
Telecommunications...

Technical specifications

BR and FB are level only for ballistic resistance. Forced entry is RC level.

GyroSec is available with certified BR6, RC3, RC4 and FB6 protection options, offering enhanced resistance against ballistic and forced entry threats.

Ballistic Resistance

GyroSec can be manufactured as BR6, tested and certified to EN 1063 standards. The ballistic resistant glass and materials ensure safety in high risk environments such as government buildings, critical infrastructure and financial institutions.

Forced Entry Resistance

RC3/RC4 versions tested in accordance with EN1627 combined with FB6 optional configuration complies with EN 1522/1523, resisting powerful forced entry attempts using heavy tools and equipment. This feature is designed to delay intruders and protect sensitive areas from unauthorised access under physical attack conditions.

Applications

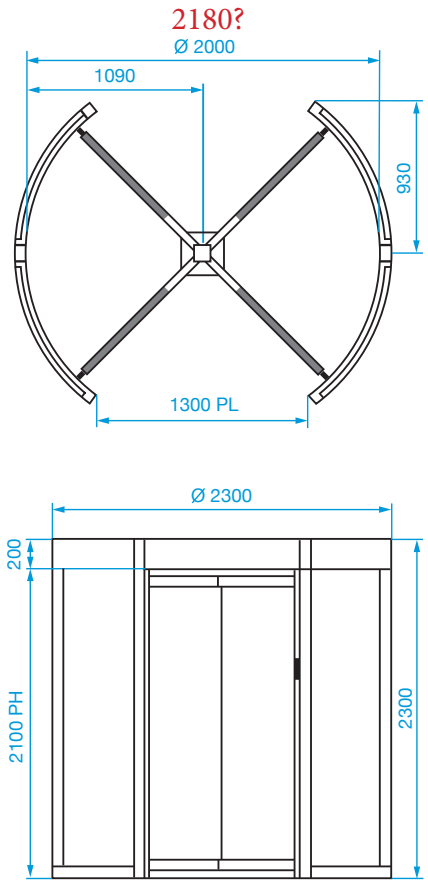
RC3, RC4, BR6 and FB6 versions of GyroSec are ideal for:

- Military and law enforcement facilities
- High value data centres
- Power plants and critical utility sites
- Embassies and secure corporate environments

Note: BR6 and FB6 protection options can be integrated without compromising on throughput efficiency, aesthetics or user experience, maintaining GyroSec's high standards of security and design.

Site preparation: GyroSec 2180 4 wings

Product is delivered in a kit form and requires lifting equipment. Approx. Weight 1040 kg (for installation details, please refer to installation layout drawings).



Concrete Base to specification at least (cube) 30N/mm2 of resistance. Base to be flat and level to +/-5mm over footprint area. Dimensions to be > 2250 x 2250 x 150 deep min. (units in mm).

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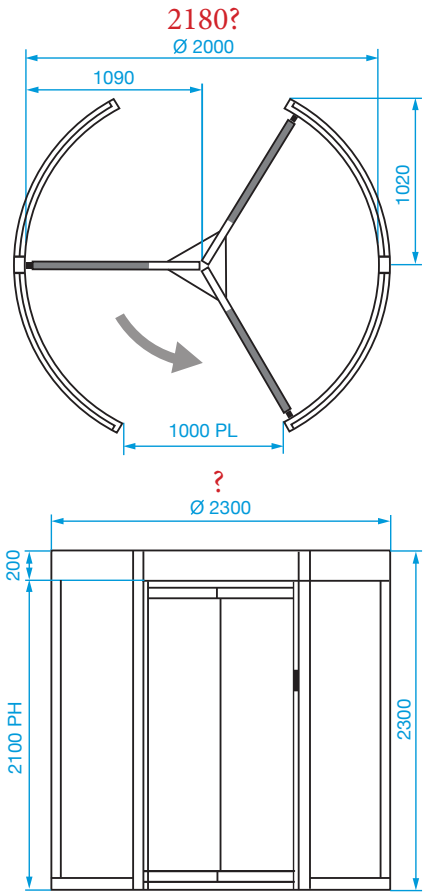
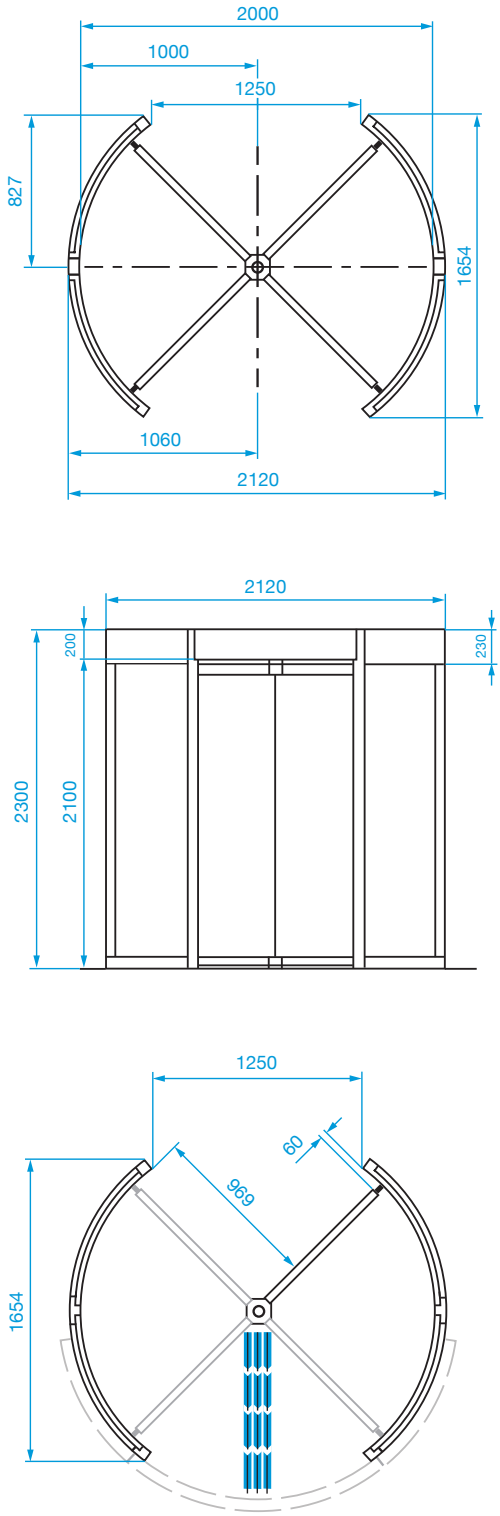


Concrete Base to specification at least (cube) 30N/mm2 of resistance. Base to be flat and level to +/-5mm over footprint area. Dimensions to be > 2250 x 2250 x 150 deep min. (units in mm).

Site preparation: GyroSec 2000 4 wings

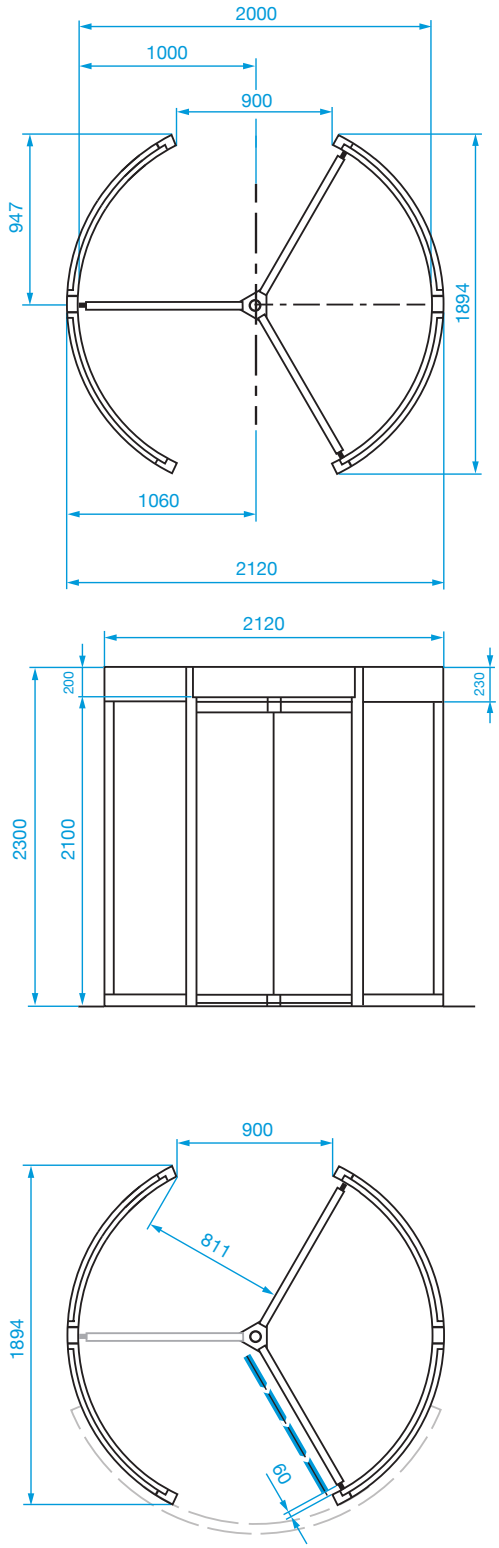
Product is delivered in a kit form and requires lifting equipment. Approx. Weight 1040 kg (for installation details, please refer to installation layout drawings).



Concrete Base to specification at least (cube) 30N/mm2 of resistance. Base to be flat and level to +/-5mm over footprint area. Dimensions to be > 2250 x 2250 x 150 deep min. (units in mm).

Site preparation: GyroSec 2000 3 wings

Product is delivered in a kit form and requires lifting equipment. Approx. Weight 1040 kg (for installation details, please refer to installation layout drawings).



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Important

- Any horizontal pipe or conduit running below the GyroSec must be at least 140mm below FFL.
- Metal conduit for cables should be raised at least 50mm from foundation.
- It is the customer's responsibility to ensure the structural integrity and strength of the installation location.
- The dimensions given in this Product Data Sheet are for information only. In order to prepare the installation site, please refer to your usual Gunnebo Customer Service contact.

Conditions of Use

When using Gunnebo's security access control gates, for security reasons, children must be supervised by an adult at all times.

Gunnebo GyroSec

Take advantage of our knowledge:
www.gunneboentrancecontrol.com

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V2 6/25