



Gunnebo Metro Full Panel Gate

Retractable Gate for Public Transport Applications

Metro Full Panel Gate

The Metro Full Panel Gate offers **high security prevention** through the use of tall retractable glass panels which slide into the cabinet when the passenger's ticket is authorised.

This gate features an elliptical design giving the barrier an elegant, lighter and user-friendly appearance. Silent and smooth in operation made for **high speed passenger flow**.

Gunnebo's Metro Full Panel Gate design is available in polyurethane colour finish or with stainless steel cabinets, with a selection of top lid materials, side panels and many other **customisable options**.

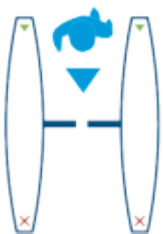
Technical Specifications

Mode of Operation

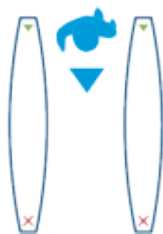
Controllable via interface connection to AFC control system. On receiving a signal from the AFC control system, or remote control, the flap leaves open (Normally Closed NC). If an unauthorised person tries to tailgate or attempts to enter from the opposite direction, the internal alarm system is activated. If within the pre-set timeout no passage has occurred, the flaps will close and reset. Normally Open N/O provides an open walkway in home position and will only close at unauthorised entry or tailgating attempts.

- Uni-directional with single person detection
- Bi-directional with single person detection
- Emergency, configurable to fully open or block the passageway
- Remote passage control
- Traffic way switchable during rush hours
- Passenger stacking (up to 8 stacked transactions)

Normally Closed



Normally Open



550mm	•	•	•	•	•	•	•	•	•	•	•
900mm	•	•	•	•	•	•	•	•	•	•	•

Plain dot indicates the functionality is implemented, empty dot indicates some limitations, no dot indicates not available.

Features

- Stainless steel cabinet construction
- Single passage detection
- 600mm and 900mm walkway widths
- Variable glass panel heights, 1200mm to 1800mm

Benefits

- Highest security against unauthorised passage
- Effective prevention against tailgating
- High throughput - 60 passages per minute
- High prevention against passengers climbing over or crawling under the gate barriers

Applications

- Mass Transit Systems
- Metro
- Railway
- High Speed Railway
- BRT
- Tramway
- Ferry Terminals

Global Experience

- Global No. 1 for Entrance Control Equipment (IMS Research Report 2013)
- More than 50,000 gates installed worldwide
- More than 90 Million people processed daily
- Over 25 years global experience within the Mass Transit market sector
- International and local support infrastructure
- High productivity and quality levels
- Reduced project risks and long-term investment protection

Technical Specifications (continued)

Security Features

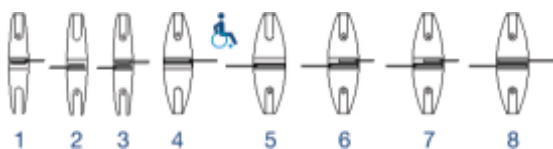
- High-Performance Fraud Detection through sophisticated and proven algorithm
- Strategically concealed 16x TX and RX infrared photocell arrays
- More than 40 different passage scenarios handled
- Intrusion
- Tailgating
- Piggybacking
- Wrong way direction
- Leave aisle timeout
- Anti-crawling flap leaf barrier
- Passenger with hand carried luggage
- Passenger with wheeled trolley luggage

Safety Features

- Safety force sensing
- Safety rubber edges
- Accurate presence sensing
- Emitter/receiver infrared sensors technology
- Logic voltage 24 VAC
- Voltage free contact input for Fire Alarm fail state
- Fail-Safe manual push opening
- Fail-Safe via battery back-up opening (option)
- Wide walkway for wheel chair or child passage management

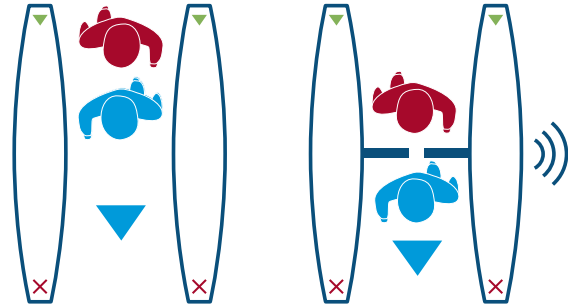
Design Construction

- Available versions are in polyurethane PUR painted, and in Stainless Steel finish
- Short cabinet length (N/C) or Long cabinet length (N/C) version
- 1.2m to 1.8m panel height
- Standard passage width (550 mm) and Wide passage width (900 mm) available
- Available also as Combi - centre cabinet with narrow (550 mm) passage in one side and wide (900 mm) passage on the other side

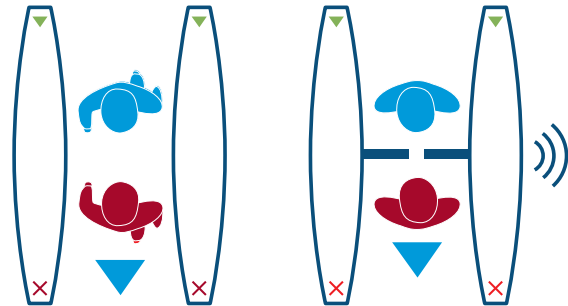


Single Person Detection

Tailgating / Piggybacking Attempt



Wrong Way Detection / Intrusion Attempt

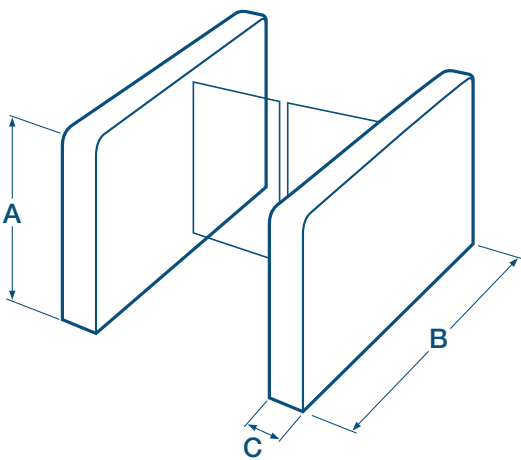


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Dimensions and Weight

	Overall Height	Passage Width	Cabinet Height (A)	Cabinet Length (B)	Cabinet Width (C)	Weight - Side Cabinet	Weight - Centre Cabinet
STANDARD SHORT LANE	1200/1800	550	950	1448	300	170	220
WIDE SHORT LANE	1200/1800	900	950	1448	480 (490 for EV)	185	240
STANDARD LONG LANE	1200/1800	550	950	1932	300	260	300
WIDE LONG LANE	1200/1800	900	950	1932	480 (490 for EV)	320	360

dimensions in (mm), weight net (kg), might require lifting equipment.
For details refer to installation detail drawings



Design Customisation and Finishes

- The Metro Full Panel gate offer great flexibility of design for best integration of AFC devices for best customer choice and passenger experience

Materials

- Casework: 2mm AISI 304-grade grained stainless steel
- Finish: Scotch Brite 4

Moving Panels

- The obstacle panels are composed of 12 mm clear tempered glass with black rubber buffers on the closing edge (regular panel) or both edges (wide panel)
- The glass panels can be provided 1200 mm or 1800 mm high (reference to the floor)

Gate End Displays

- For guiding passengers there are light indicators integrated into each end leg of the housing (Red Cross and Green Arrow)
- Remotely switchable to conform to the flow of gates at peak times or to close the complete system

Maintenance Access

Technical Specifications (continued)

Power Failure Management

In the event of isolation of the power supply:

- The panels open when the battery backup is active or when the mechanism is in the Fail Safe configuration.
- The panels remain in the current position, when the battery back-up is not present and for the remaining mechanism types.

Vandalism

- Construction from 2 mm stainless steel.

Technical Data

Properties	Values / Description
Power Supply	230 VAC 50Hz or 115 VAC 60Hz
Power Rating	Standby mode 345 VA (1) In Operation: 2 VA (1)
Fire Signal	Input for voltage free contact
Noise Level	Less than 55dB
Operating Temperature	0 to + 40°C (RH 95% not condensing); -20°C with heating system (optional)
Reliability Figures	Robust design to withstand high volumes in peak hours Guaranteed long-term investment protection and profitability Low running costs:>1%/pa of installation base (Based upon actual 12 month field survey data)
MCBF	5,000,000 cycles
MTTR	<30 min
IP Rating	IP 20
Flow Rates	Up to 60 passengers/minute throughput (Dependent upon reading technology and response times) Authorisation stacking up to 8 authorisations

Customer References

Metro Systems

- Toulouse Metro, France
- RATP Disabled SAS, France
- Tehran Metro, Iran
- AREX Airport Express, Korea
- TMB Barcelona, Spain
- SL Stockholm, Sweden

Railway Systems

- Eurostar Station, Belgium
- Bari Railways, Italy
- Fertagus Railways, Portugal
- Bursa Railways, Turkey
- RER B SNCF, France

Ferry Stations

- Teso Ferry, Netherlands

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Gunnebo Metro Full Panel Gate



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