



LET'S MAKE LIFE SAFER!

PRODUCT CATALOGUE

Physical and Access Control

- ◇ Speed gates
- ◇ Tripods
- ◇ Swing gates
- ◇ Full-heights
- ◇ Road blockers
- ◇ Bollards
- ◇ Tire-killers



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Making life safer since 1996



Speed gates



Tripod turnstiles

30 years of evolution

We have come a long way — evolving from its first solutions to comprehensive products that set industry standards.

Today, we can rightfully be counted among the world's leading manufacturers. Our approach is to make innovation accessible, practical and genuinely useful for businesses.

And we continue to grow, creating solutions that are built for the future.



Full-height turnstiles

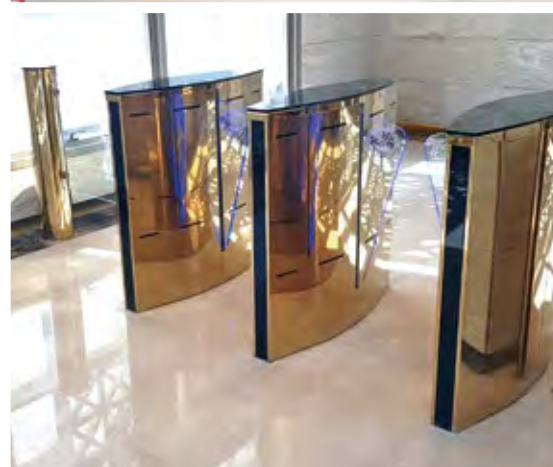


Road blockers

Speed Gates

- The speed gates have an ultra-modern futuristic design. Our speed gates of this series are ideal for stylish lobby interiors in hotels, banks, office centers, etc.
- BMDrive® Reliable mechanism with powerful BLDC gear motor ensures long term maintenance-free operation;
- The smart self-diagnosing system of mechanism BMDrive® automatically analyzes the system, detects critical malfunctions, and records error log and warnings;
- The BMDrive® mechanism controller is equipped with an OLED display for easy setup and configuration without special programmers, also a full configuration and diagnostics is possible via a USB connector by using service software for Windows OS;
- Digital control of force and leaf speed in combination with safety sensors prevent a passing person from being struck by a leaf, even in case of an unauthorized passage;
- By use of artificial intelligence algorithms and large number of high-precision infrared passage sensors, the speed gate detects and alarms when two people try to pass by one card, pass in the wrong direction and pass without authorization;
- Sensor system allows detecting the passage of person with luggage, arranging a free exit without the need for identification.





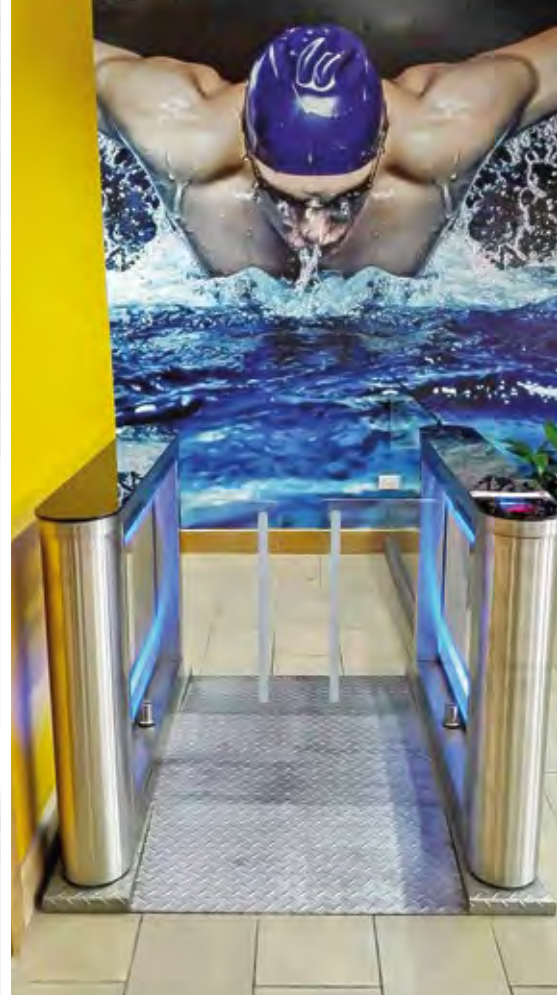


Touchless Access

that means even much safer than ever

Global pandemic situation influenced all areas of life. New trends force organizations adapt workers space according to new norms. We help companies to choose the right entrance solutions, taking into account new requirements.

Ideal solution for contactless access are our speed gate series. Such speed gates open automatically without impact at gate. Thus, the norms are observed safety during a global pandemic. Speed gates by TiSO are adapted for the installation of any contactless readers (**face recognition system, temperature or mask detection system etc**). Such access control systems allow supporting the idea of contactless secure access to the territory.





Sweeper-S-HG

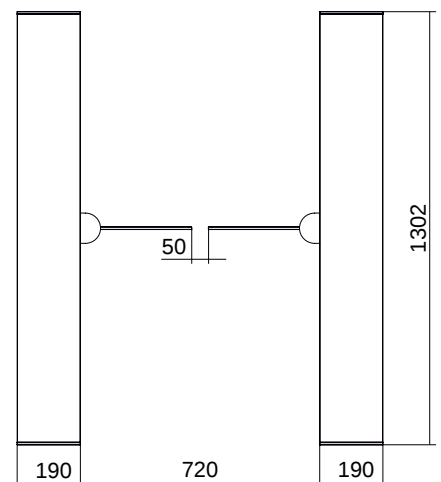
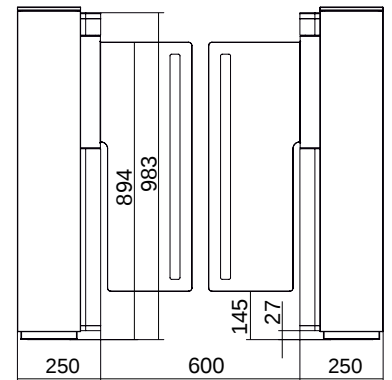
- BMDrive® - Reliable mechanism with powerful BLDC gear motor;
- The safety function of locking system FoldEmLock®;
- The smart self-diagnosing system of mechanism BMDrive® automatically analyzes the system.



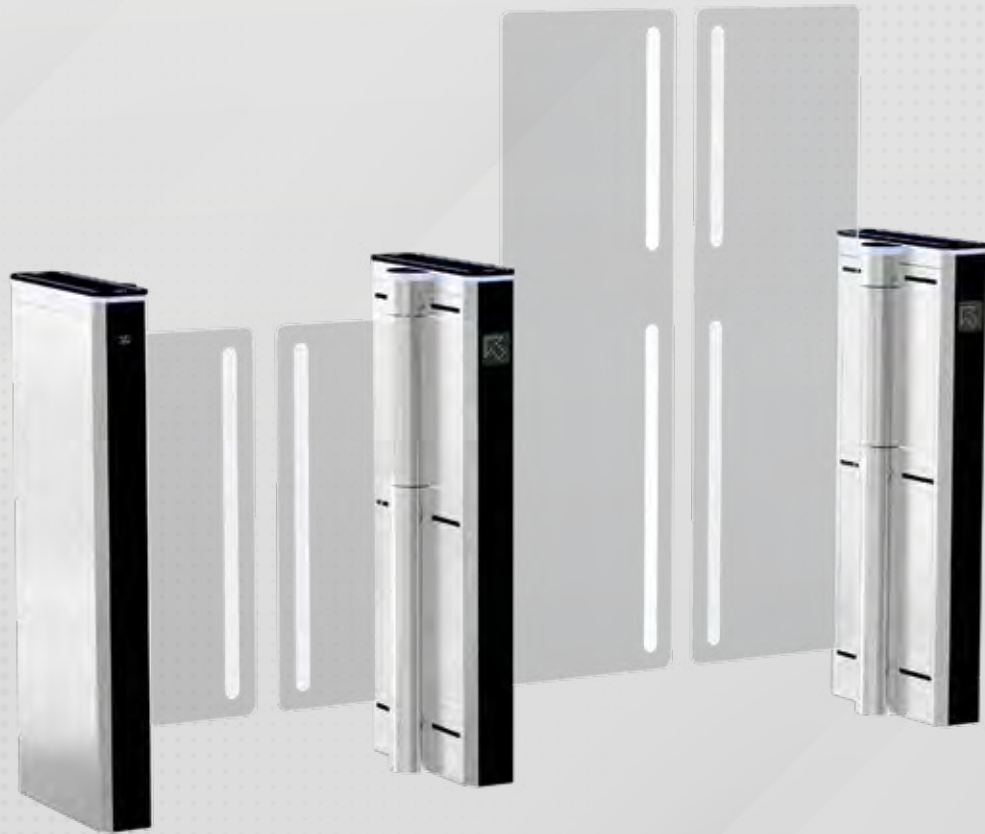
Sweeper-M



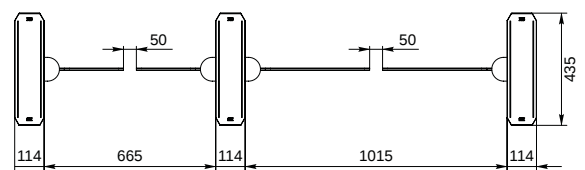
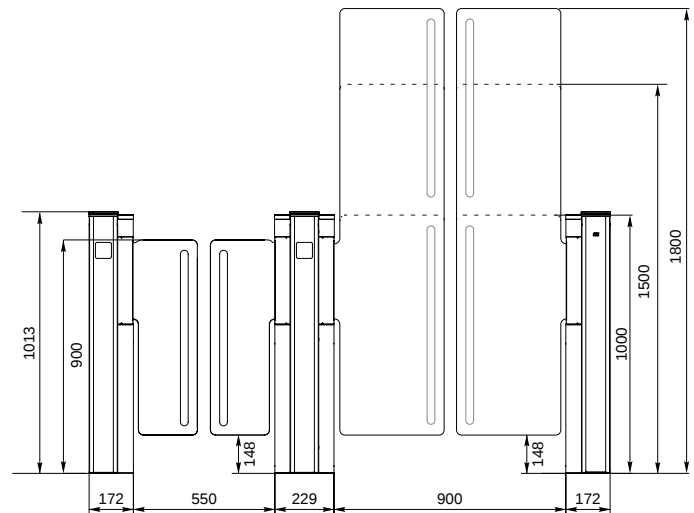
Model	Sweeper-M
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Tempered glass, brushed SS AISI 304
Available housing	Tempered glass powder coated any RAL
Top lid	Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12V



Sweeper-SH



Model	Sweeper-SH
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top



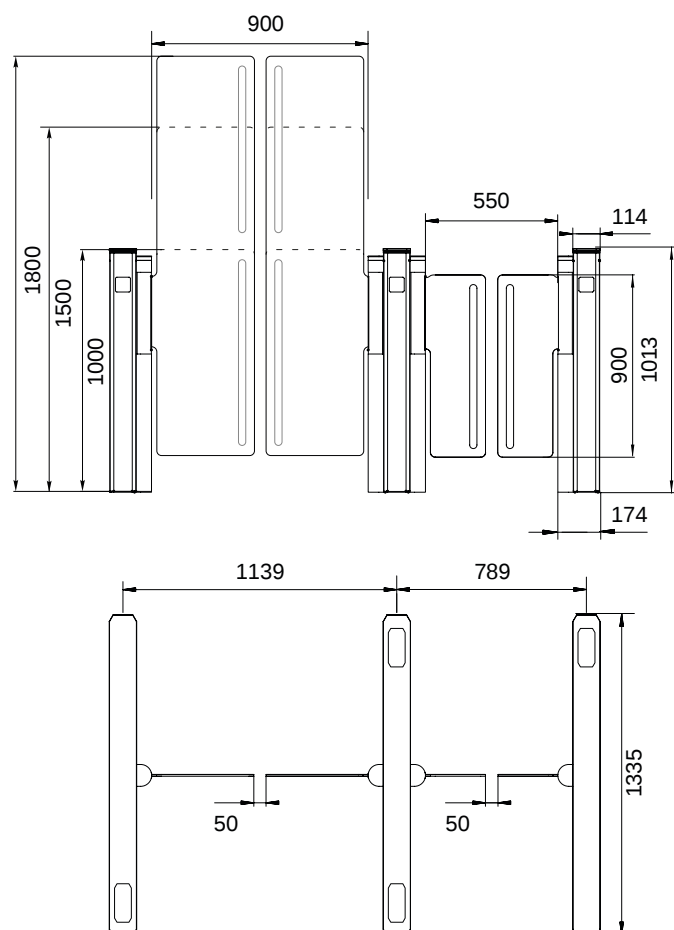
Voltage AC (100-240)V, 50/60Hz; DC source 12V



Sweeper-S-HG

 550 900 mm	 30 25 pers/min	 60 pers/min	 0,6 0,8 sec	 IP 41					
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/ CLOSING	PROTECTION LEVEL	ANTI- TAILGATING	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model	Sweeper-S-HG
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12 V

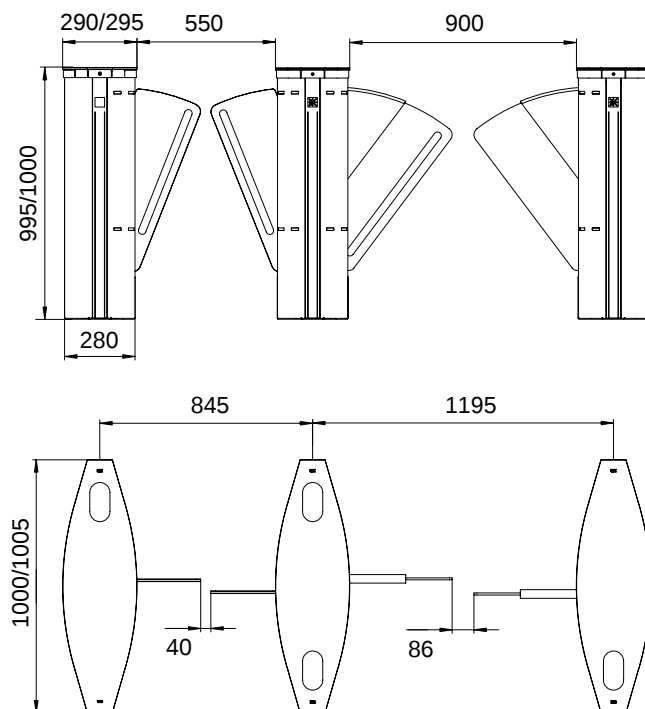




Speedblade

 550 mm	 40 pers/min	 60 pers/min	 0,5 sec	 IP 41	 ANTI-TAILGATING	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/CLOSING	PROTECTION LEVEL					

Model	Speedblade
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	DeadLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12 V

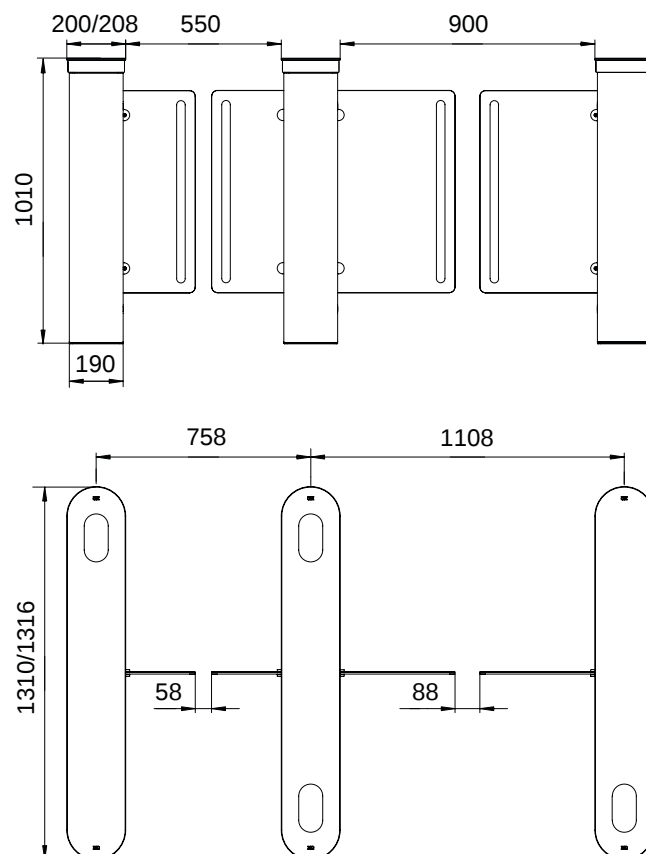




Sweeper

 550 900 mm	 40 30 pers/min	 60 pers/min	 0,3 0,6 sec	 IP 41	 ANTI-TAILGATING	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/CLOSING	PROTECTION LEVEL					

Model	Sweeper
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Stainless steel top (with glass inserts) Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12 V





Sweeper-S



550
1000
mm

PASSAGE
WIDTH



30
25
pers/min

SINGLE
ACCESS



60
pers/min

FREE
ACCESS



0,7
1,0
sec

OPENING/
CLOSING



IP 41

PROTECTION
LEVEL



ANTI-
TAILGATING



ACCESS CONTROL
SYSTEM



MANUAL
CONTROL

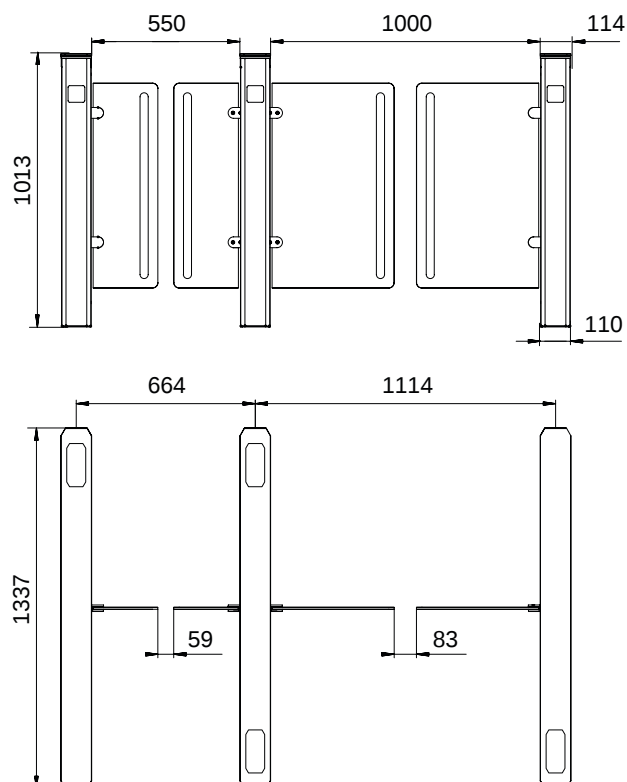


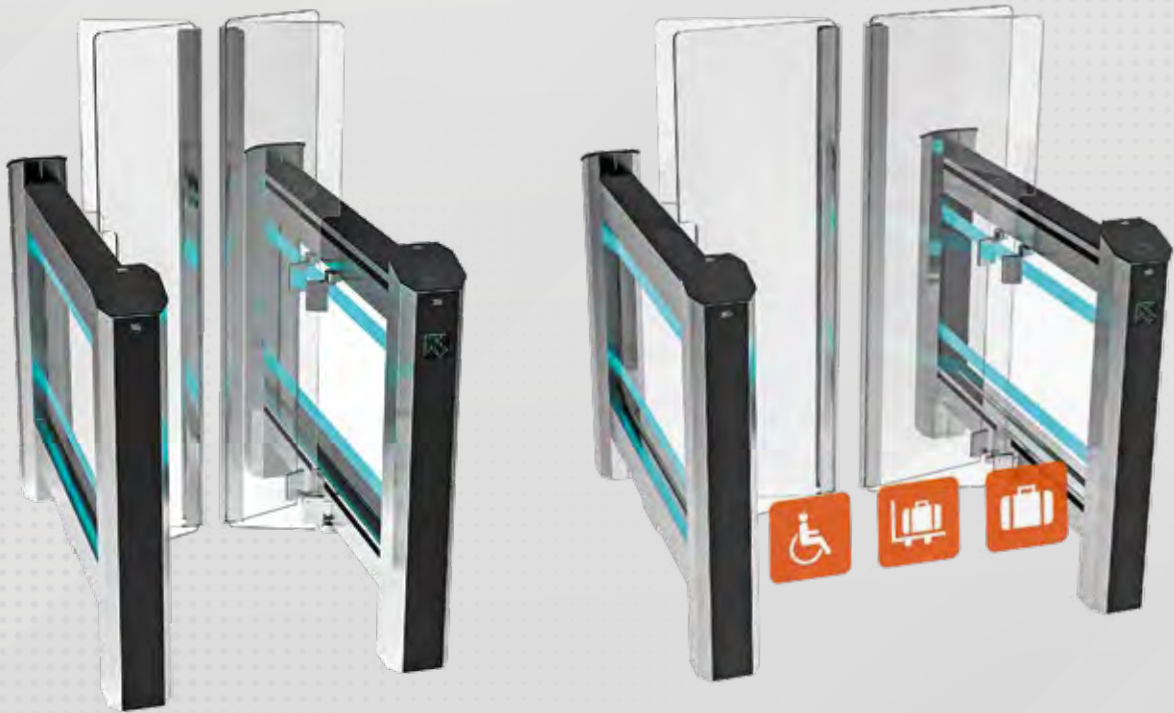
BI-DIRECTIONAL



FIRE ALARM
INTEGRATION

Model	Sweeper-S
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	PinLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Stainless steel top (with glass inserts) Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12 V

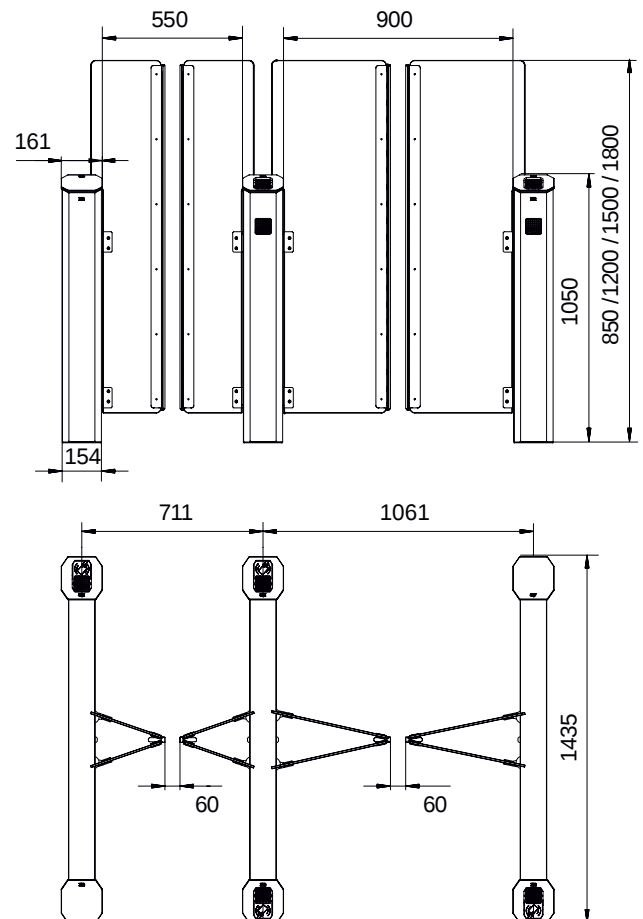




Slide



Model	Slide
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	FoldEmLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

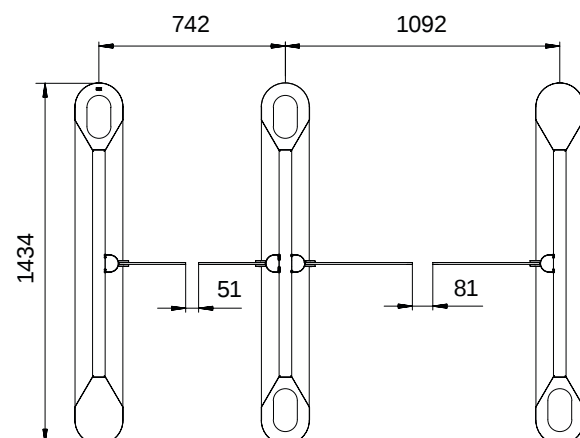
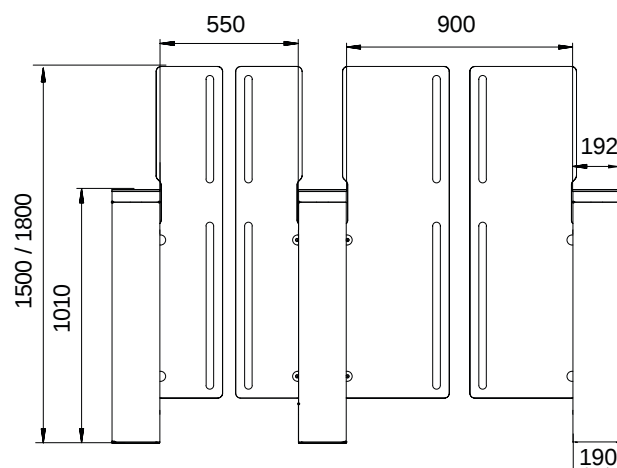




Sweeper-HG

 550 900 mm	 30 25 pers/min	 60 pers/min	 0,7 0,9 sec	 IP 41	 ANTI-TAILGATING	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/CLOSING	PROTECTION LEVEL					

Model	Sweeper-HG
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Stainless steel top (with glass inserts)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

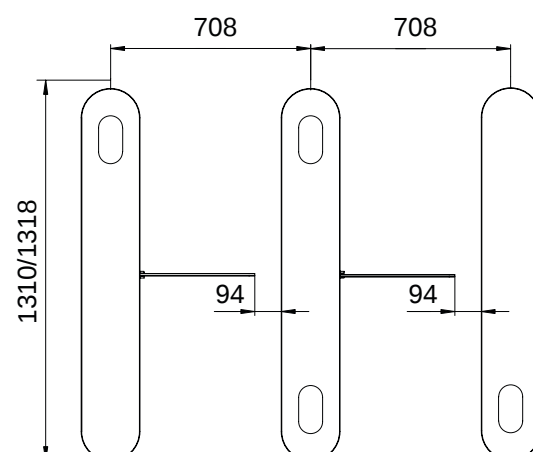
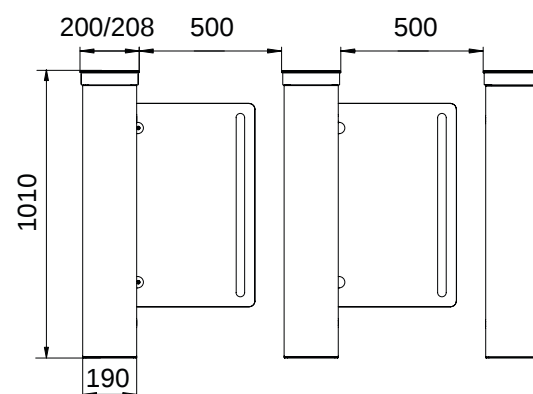




Sweeper-G



Model	Sweeper-G
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

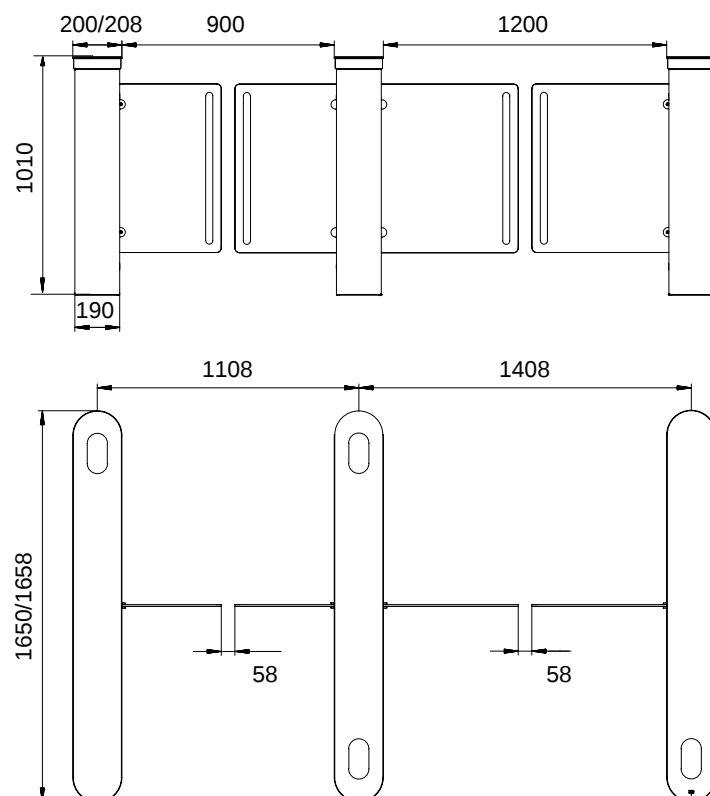


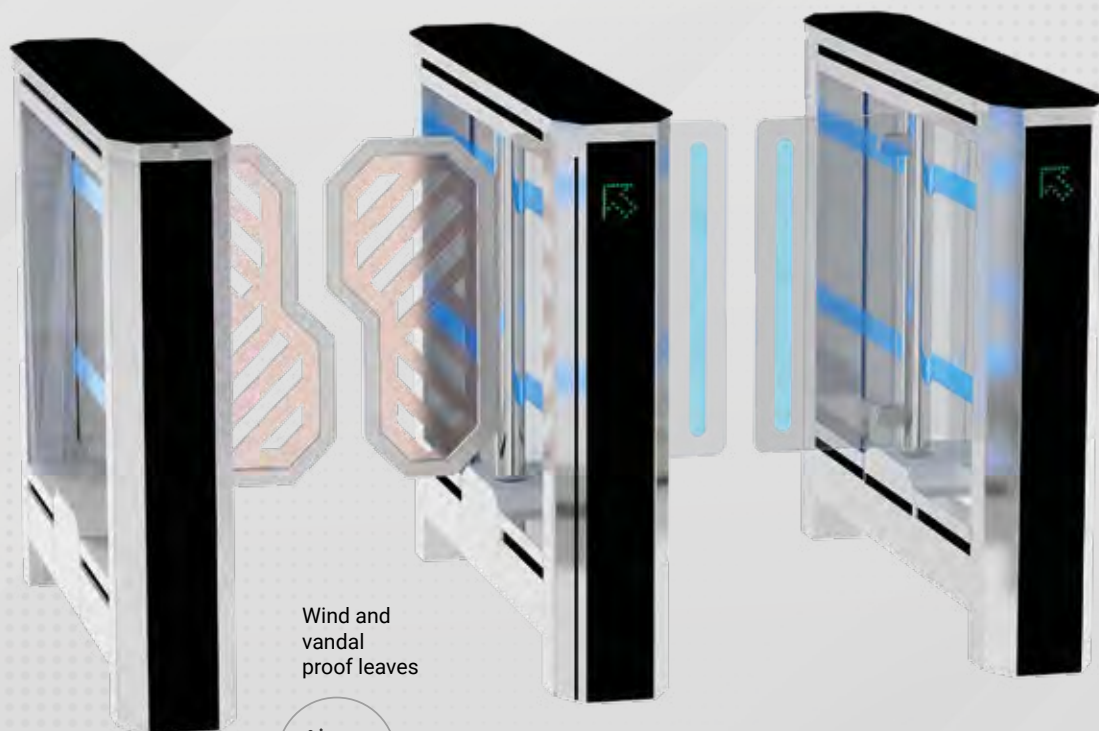


Sweeper-W



Model	Sweeper-W
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Stainless steel top (with glass inserts) Solid glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12V





Wind and
vandal
proof leaves

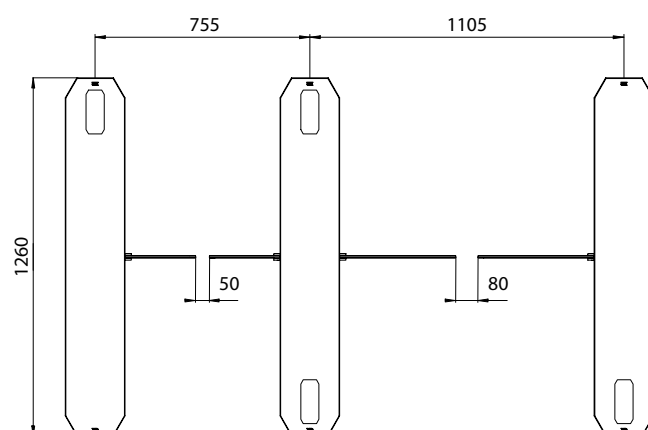
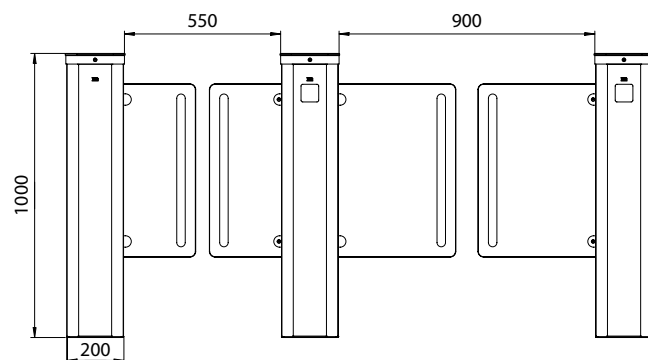


Sweeper-WP

 550 900 mm	 40 30 pers/min	 60 pers/min	 0,3 0,6 sec	 IP 54*	 ANTI-TAILGATING	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/CLOSING	PROTECTION LEVEL	ANTI-TAILGATING	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

*Preventive regular cleaning of housing required for areas with dust and sand

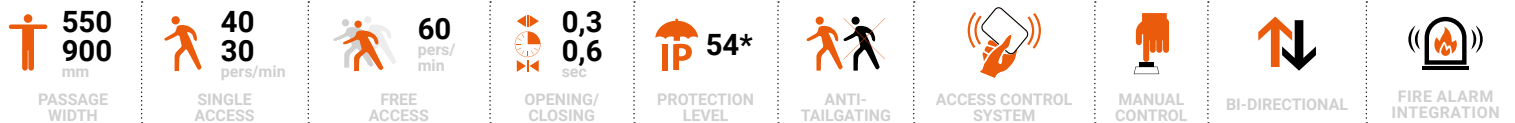
Model	Sweeper-WP
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Solid glass top



Voltage AC (100-240)V, 50/60Hz; DC source 12V

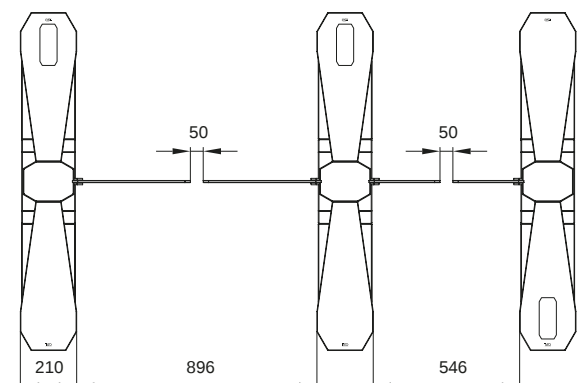
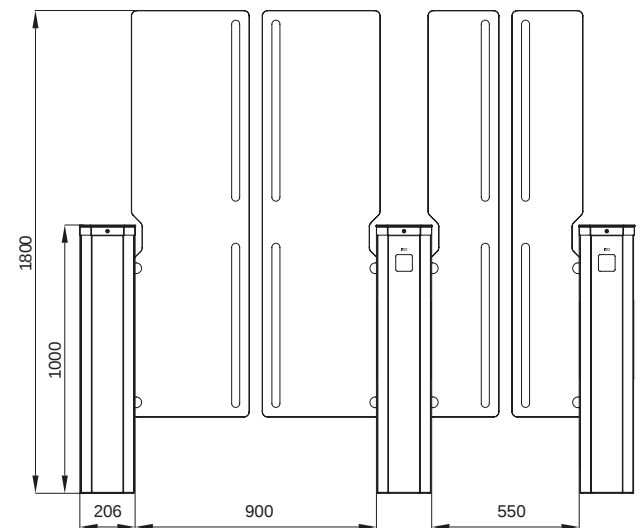


Sweeper-WP-HG



*Preventive regular cleaning of housing required for areas with dust and sand

Model	Sweeper-WP-HG
Mechanism	BMDrive® servo-drive (BLDC)
Anti-tailgating function	+
Blocking mechanism	ToothLock®
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Top lid	Glass top
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

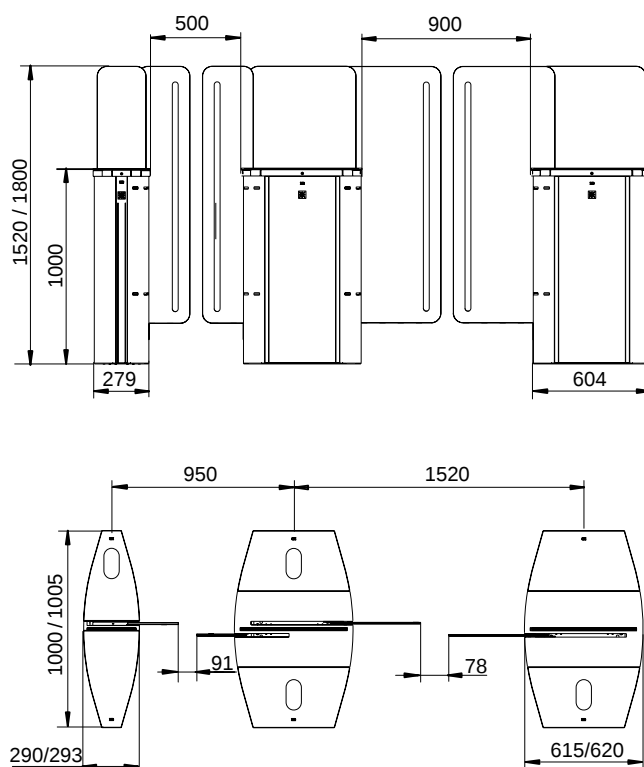




Jetpan



Model	Jetpan	Jetpan-900
Mechanism	BMDrive® servo-drive (BLDC)	
Anti-tailgating function	+	
Blocking mechanism	DeadLock®	Electromagnetic brake
Emergency mode	Free entry/exit (gates are opened automatically)	
Power fail	Fail-safe (gates could be opened manually – standard) Automatically open – super capacitor (option)	
Standard housing	Brushed stainless steel AISI 304	
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)	
Top lid	Stainless steel top (with glass inserts) Solid glass top	Stainless steel top (with glass inserts)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	



Tripod turnstiles

- Bi-directional motorized tripod turnstile;
- Integration with any type of access control and ID systems;
- Low power consumption;
- Panic / bar drop function with automatic reset;
- Whisper quiet, low noise operation;
- Optional indoor or outdoor housing types;
- Wide range of accessories;
- Availability of a backup battery connection;
- Any additional devices could be integrated (*e.g. passage counter, RFID/Proximity/BioMetric readers, coin acceptor, push-button, barcode and QR-code reader*).





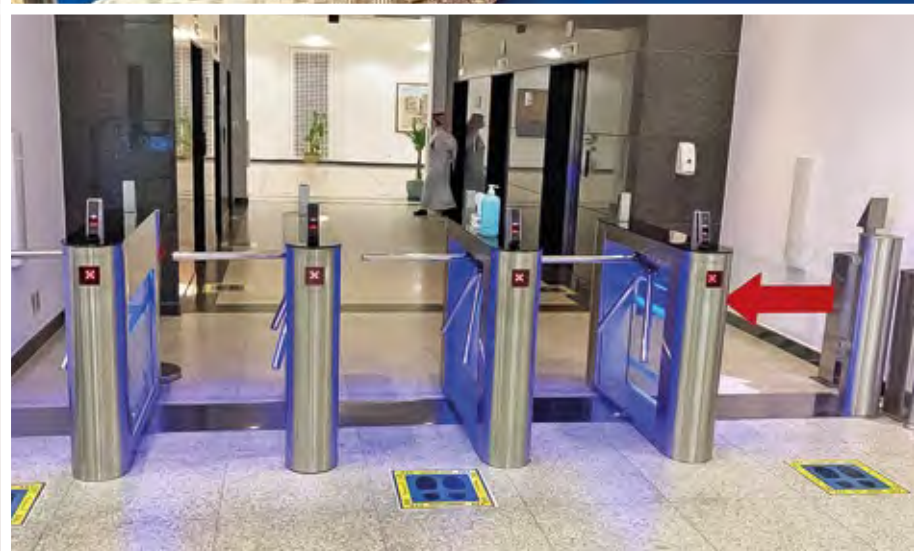
Functionality and Availability

Tripod turnstiles by TiSO company are appropriate solution for access control for high traffic area. The mechanism of our tripod turnstiles will withstand the most intense loads and will make access quick and safe.

Our tripods have anti-panic function (standard), which makes these turnstiles safe users. In case of emergency, the turnstile leashes are automatically lowered, so people can quickly leave the dangerous area.

The range of tripod turnstiles has very stylish models that are suitable for installation in stylish interiors and will definitely be an excellent addition to great design solutions.







Onyx Series

These turnstiles are equipped with an automatic bi-directional servo drive mechanism with a robust locking system and are able to operate reliably and efficiently in high traffic flow locations. This model has a robust hub with stainless steel pods and a fully automatic anti-panic system, where in the case of an emergency, the arms are automatically lowered and users can freely pass through unhindered.



Onyx-XS/S/M

 600 mm	 25 pers/min	 60 pers/min	 IP 41	 MOTORIZED	 DROP-ARM	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	DROP-ARM	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model **Onyx-XS/S/M**

Mechanism **Servo-driven (Triservo-M)**

Blocking mechanism **Two electromagnetic stoppers (separate locking system)**

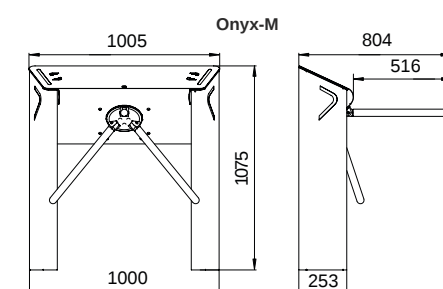
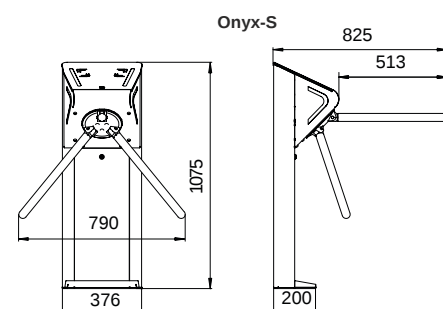
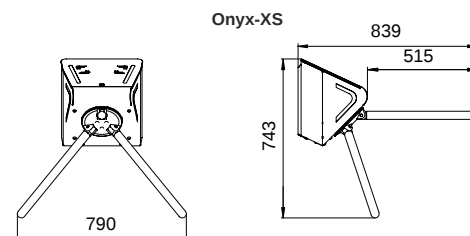
Emergency mode (when the power goes off) **Fail-safe (Arm drops)**

Drop arm function **Activates manually by push button/ fire alarm system;
Activates automatically when power goes off;
The arm returns automatically in locking position after the power on**

Standard housing **Brushed stainless steel AISI 304**

Available housing **Brushed stainless steel AISI 316
Polished stainless steel AISI 304
Polished stainless steel AISI 316
Powder coated (any RAL upon request)**

Voltage **AC (100-240)V, 50/60Hz; DC source 12V**





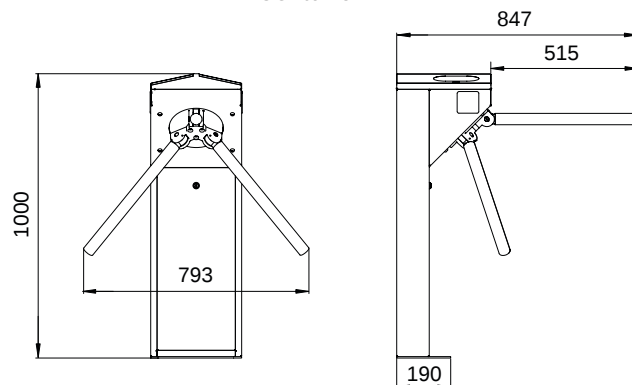
Centurion-M

 600 mm	 25 pers/min	 60 pers/min	 41-54* IP	 MOTORIZED	 DROP-ARM	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	DROP-ARM	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

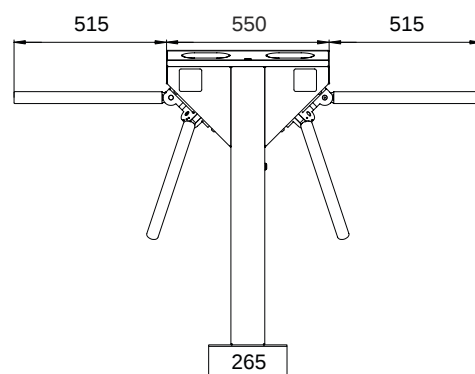
*Available upon request

Model	Centurion-M/M Twin
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Centurion-M



Centurion-M Twin





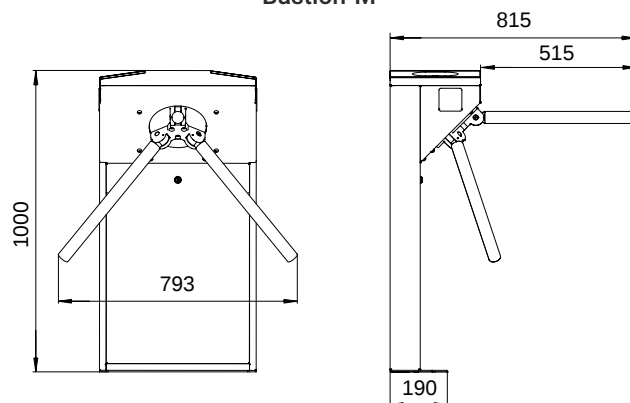
Bastion-M

 600 mm	 25 pers/min	 60 pers/min	 41-54*						
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	DROP- ARM	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

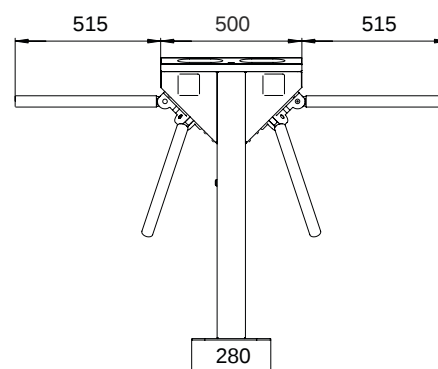
*Available upon request

Model	Bastion-M/M Twin
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Bastion-M

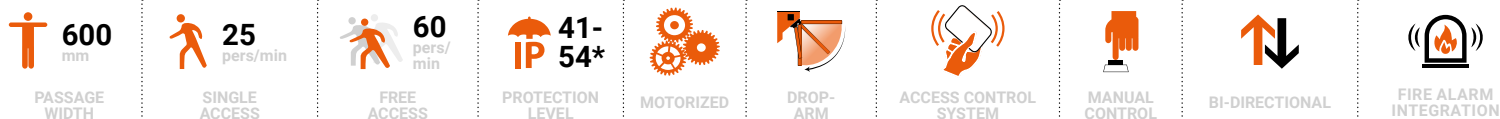


Bastion-M Twin





Skull

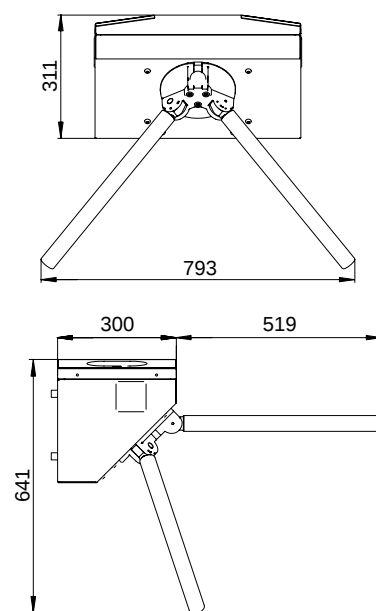


*Available upon request

Model	Skull-M
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)

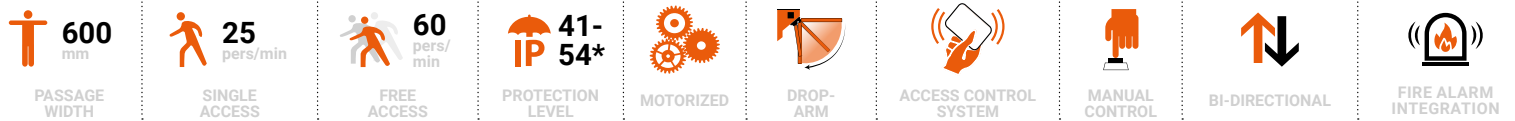
Voltage	AC (100-240)V, 50/60Hz; DC source 12V
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Skull-M





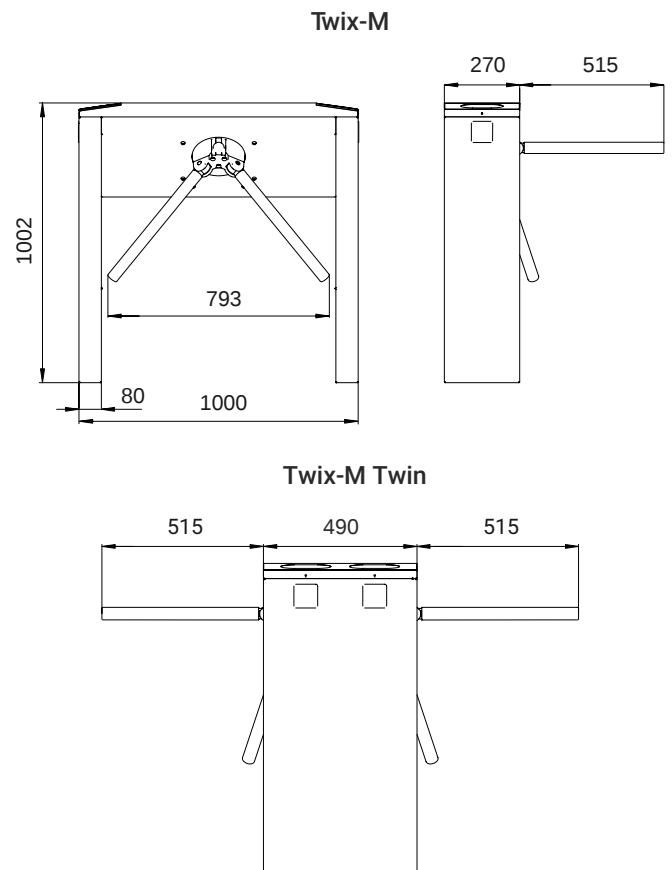
Twix-M



*Available upon request

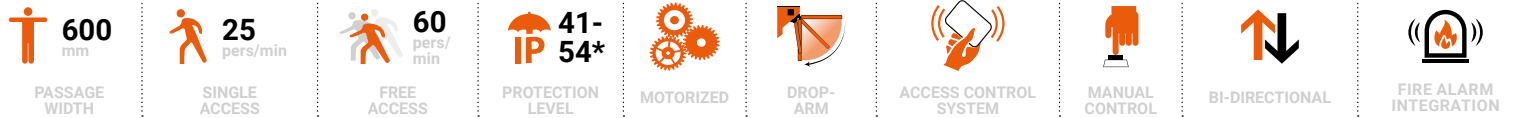
Model	Twix-M/M Twin
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)

Voltage	AC (100-240)V, 50/60Hz; DC source 12V
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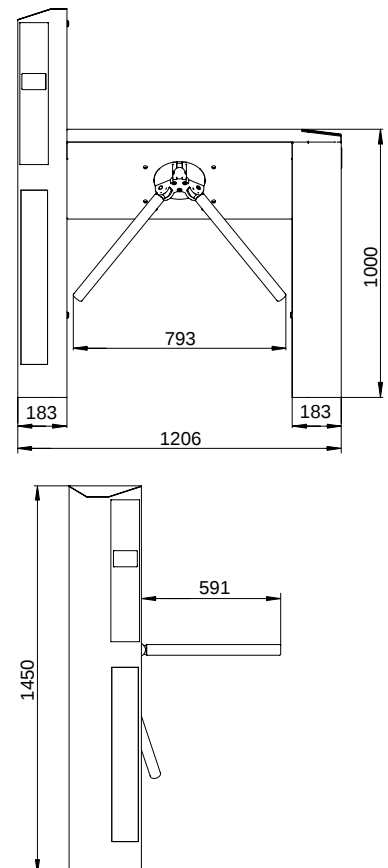


Twix All-in-one-M



*Available upon request

Model	Twix All-in-one-M
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V



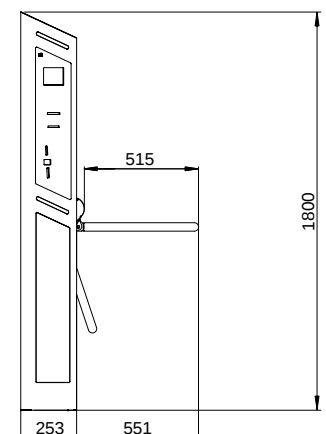
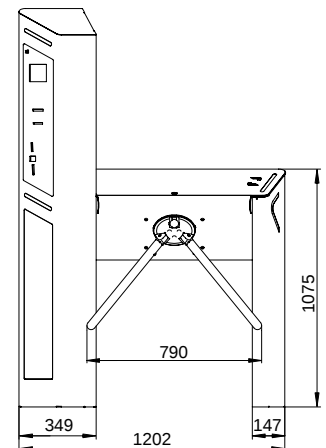


Onyx-XL

 600 mm	 25 pers/min	 60 pers/min	 IP 41						
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	DROP- ARM	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

*Available upon request

Model	Onyx-XL
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

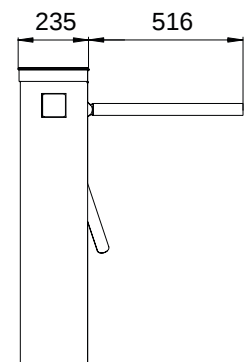
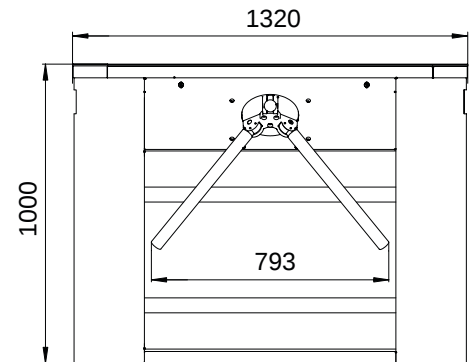




Galaxy-M

 600 mm	 25 pers/min	 60 pers/min	 IP 41						
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	DROP-ARM	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model	Galaxy-M
Mechanism	Servo-driven (Triservo-M)
Blocking mechanism	Two electromagnetic stoppers (separate locking system)
Emergency mode (when the power goes off)	Fail-safe (Arm drops)
Drop arm function	Activates manually by push button/ fire alarm system; Activates automatically when power goes off; The arm returns automatically in locking position after the power on
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V





Swing Gates

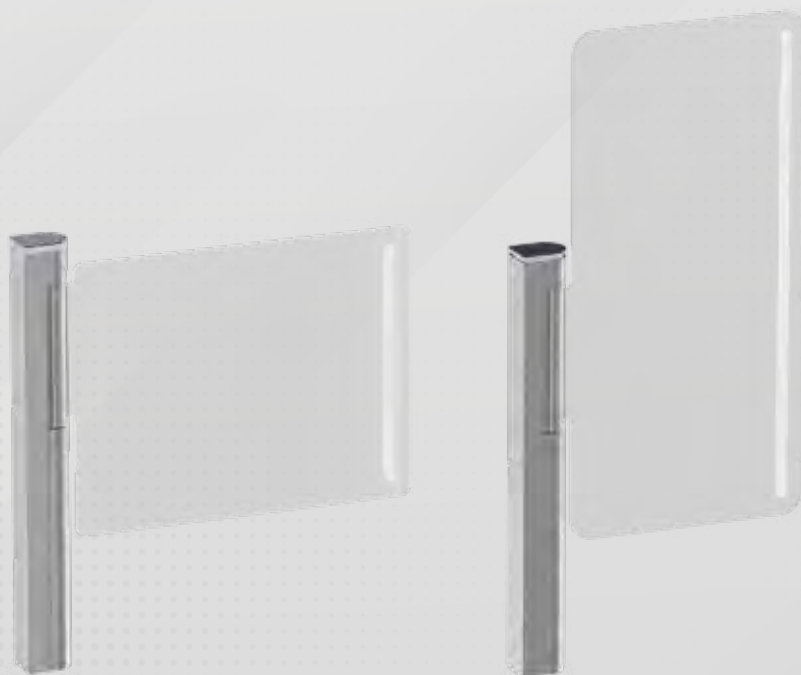
- Motorized;
- Bi-directional;
- Integration with any type of access control and ID systems;
- Low power consumption;
- Whisper quiet, low noise operation;
- Possibility of a barrier gate customization;
- Complete supply set as a standard.





**Inalienable part
of the entrance group of turnstiles**

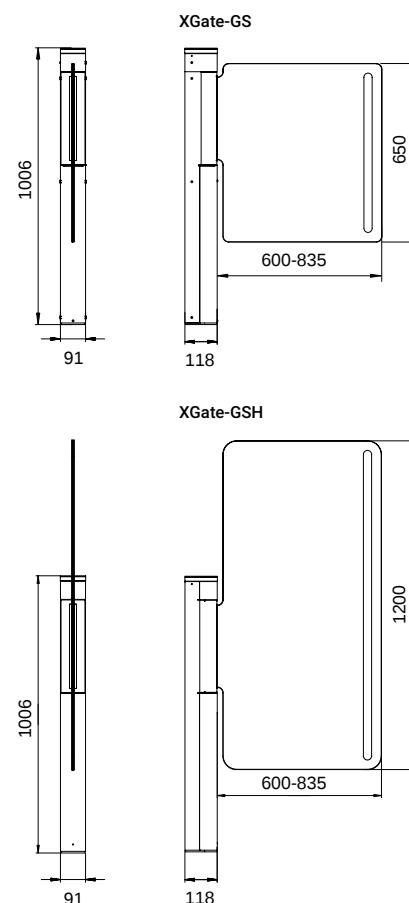


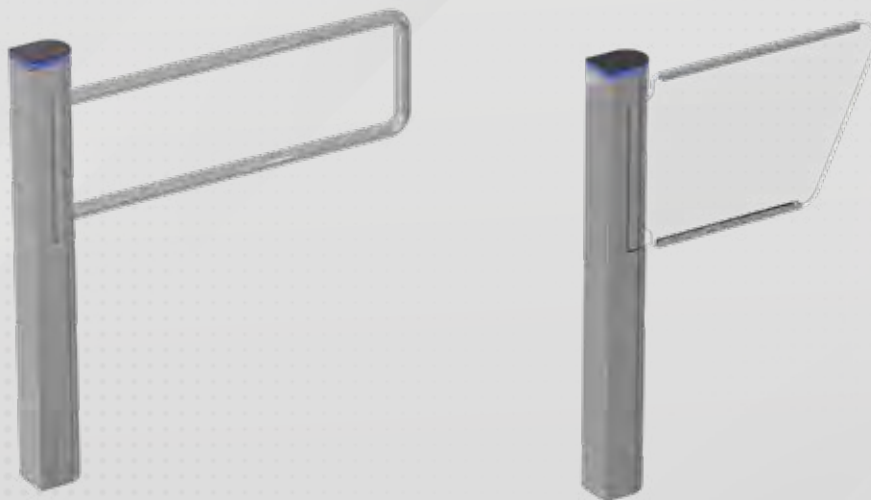


XGate-GSH/GS

 650 900 mm	 30 pers/min	 60 pers/min	 IP 41	 MOTORIZED	 2,5 3 sec	 ACCESS CONTROL SYSTEM	 MANUAL CONTROL	 BI-DIRECTIONAL	 FIRE ALARM INTEGRATION
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL		OPENING/CLOSING				

Model	XGate-GS/GSH
Mechanism	BMDrive® servo-drive (BLDC)
Operation mode	CW (90°) and CCW (90°)
Blocking mechanism	ToothLock®
Emergency mode	Free exit/entry (gate opens automatically)
Power fail	Fail-safe — leaf could be opened manually Automatically open — super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V



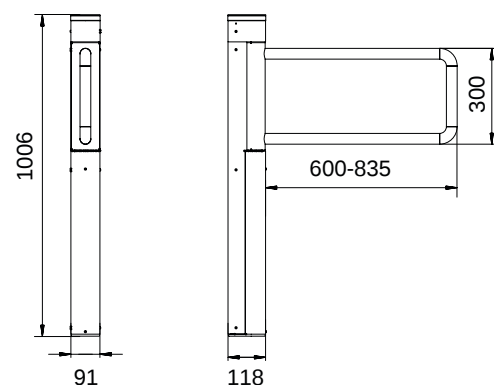


XGate-TS/PS

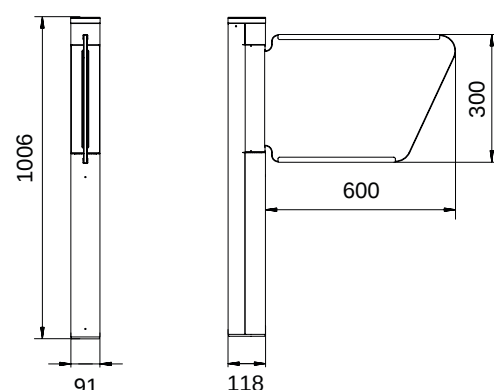
 650 900 mm	 30 pers/min	 60 pers/min	 IP 41	 2,5 3 sec				
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	OPENING/CLOSING	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model	XGate-TS/PS
Mechanism	BMDrive® servo-drive (BLDC)
Operation mode	CW (90°) and CCW (90°)
Blocking mechanism	ToothLock®
Emergency mode	Free exit/entry (gate opens automatically)
Power fail	Fail-safe — leaf could be opened manually Automatically open — super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

XGate-TS



XGate-PS



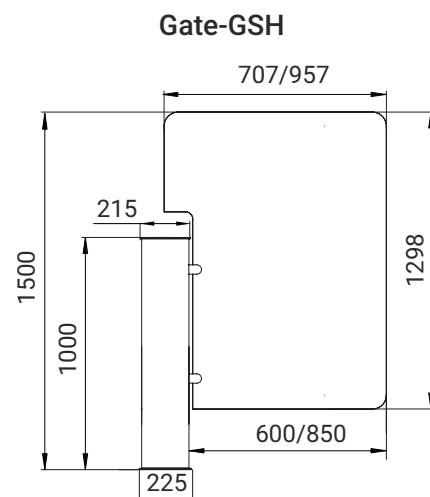
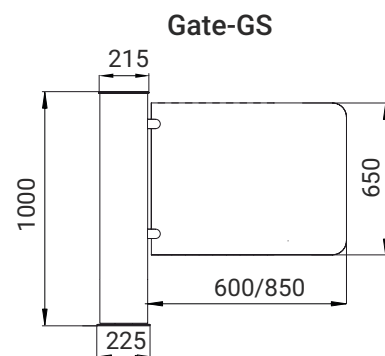


Gate-GS/GSH



*Available upon request

Model	Gate-GS/GSH
Mechanism	Servo-driven
Operation mode	CW (100°) and CCW (100°)
Blocking mechanism	Single electromagnetic brake
Emergency mode	Free exit/entry (gate opens automatically)
Power fail	Fail-safe – can be rotated manually (standard) Automatically open – super capacitor (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V





Onyx-GS/TS

 650 900 mm	 30 pers/min	 60 pers/min	 IP 41	 1,5 2,5 sec				
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	OPENING/ CLOSING	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model **Onyx-GS/TS**

Mechanism **BMDrive® servo-drive (BLDC)**

Operation mode **CW (90°) and CCW (90°)**

Blocking mechanism **ToothLock®**

Emergency mode **Free exit/entry
(gate opens automatically)**

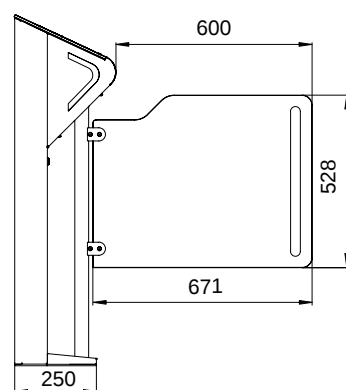
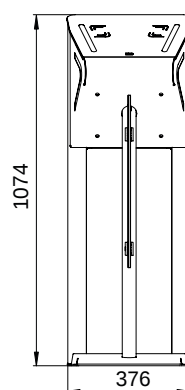
Power fail **Fail-safe – leaf could be opened manually
Automatically open – super capacitor (option)**

Standard housing **Brushed stainless steel AISI 304**

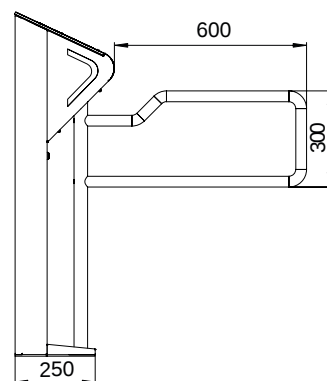
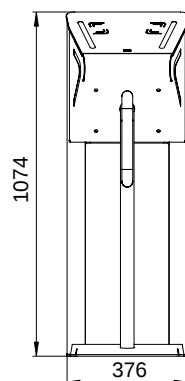
Available housing **Brushed stainless steel AISI 316
Polished stainless steel AISI 304
Polished stainless steel AISI 316
Powder coated (any RAL upon request)**

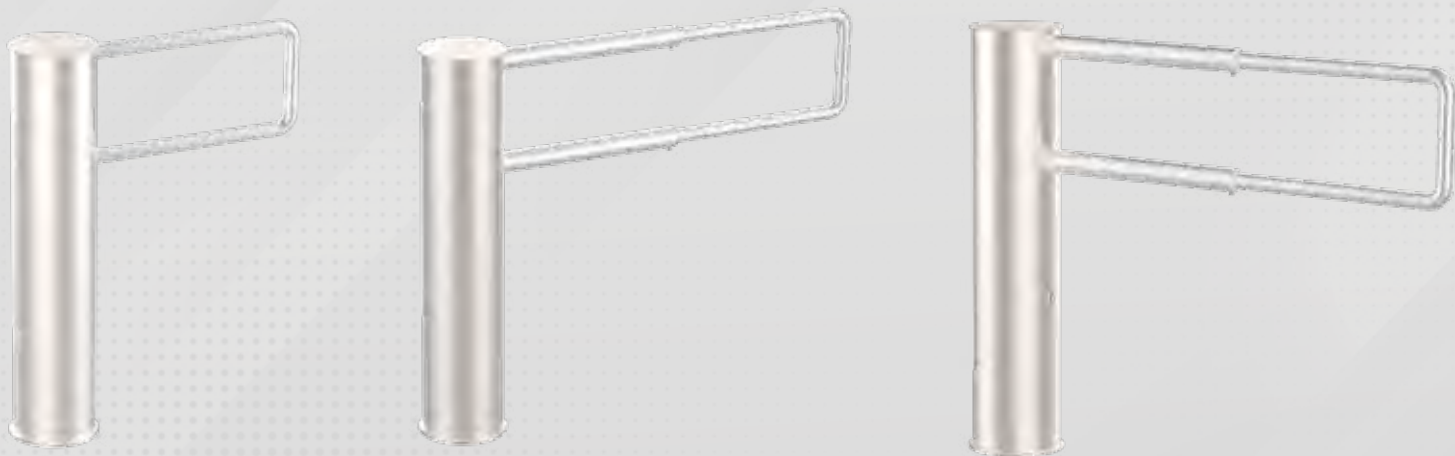
Voltage **AC (100-240)V, 50/60Hz; DC source 12V**

Onyx-GS



Onyx-TS





Gate-TS/TTS/SPR

650
1050
mm
PASSAGE
WIDTH

41
54*
IP
PROTECTION
LEVEL

MOTORIZED

**ACCESS CONTROL
SYSTEM**

**PASSAGE
FOR DISABLED**

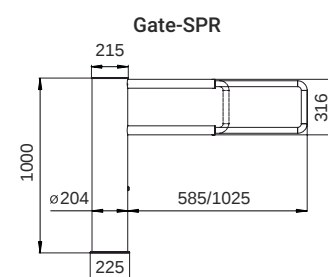
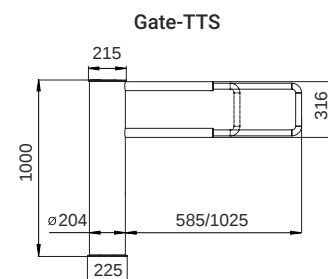
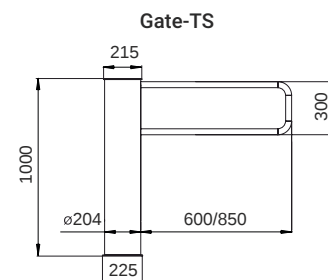
**MANUAL
CONTROL**

BI-DIRECTIONAL

**FIRE ALARM
INTEGRATION**

*Available upon request

Model	Gate-TS/TTS	Gate-SPR
Mechanism	Servo-driven	Mechanical
Operation mode	CW (100°) and CCW (100°)	
Blocking mechanism	Single electromagnetic brake	Can be locked manually by key
Emergency mode	Gate is open	Can be unlocked manually by key
Drop arm function	Fail-safe – free rotation (standard) Automatically open – super capacitor (option)	–
Standard housing	Brushed stainless steel AISI 304	
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)	
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	–



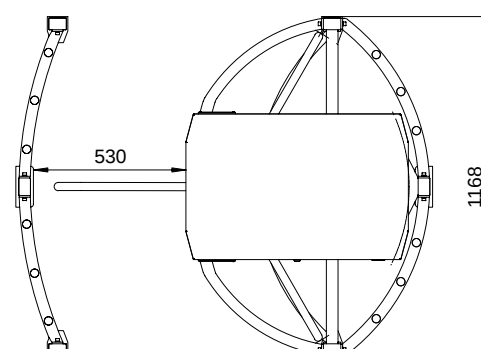
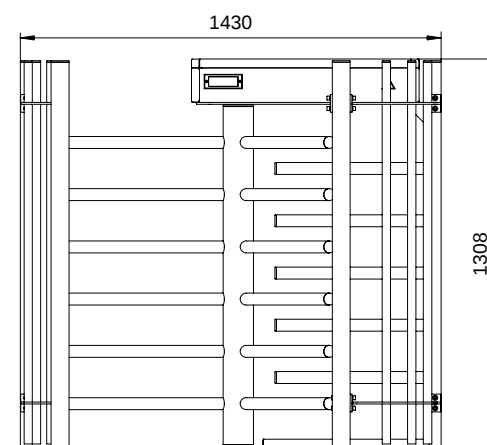


Cyclone-L

 650 900 mm	 30 pers/min	 60 pers/min	 IP 41 65*					
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	MOTORIZED	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

*Available upon request

Model	Cyclone-L
Mechanism	Servo-drive (Triservo-M)
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail safe (standard) Fail secure (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V



Full-height turnstiles

- Can be supplied as fully welded or in disassembled condition which has perfect effect to transportation cost;
- Turnstile is bi-directional;
- Depending on installation place conditions and Customer`s requirements can be produced of different types of material;
- Y-type or X-type of rotor is available for your choice;
- Easy integration with any type of ACS;
- Low power consumption as well as low noise operation;
- Possibility of customization;
- Fail safe or fail secure for your choice;
- Indoor/outdoor application.





TOTAL SECURITY OF THE SITE

TiSO full-height turnstiles ensure vandal proof security level to large variety of possible applications: stadiums, factories, parks, premises with highest security requirements etc. Strength and durability is granted by robust fully welded design. On the other hand, attractive for shipment assembly modification of automatic barrier gate is also available.







HighWay-G/NG

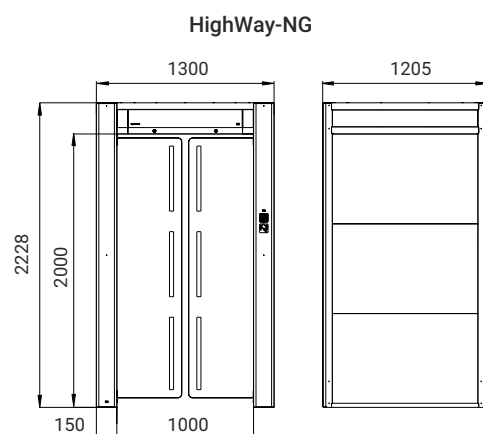
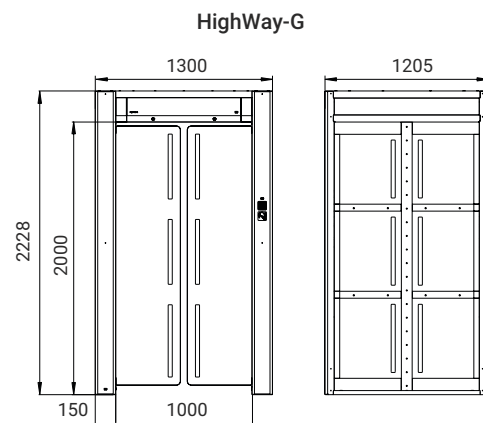
HighWay-G/NG combining different technologies to achieve state of the art performances, passage detection algorithms constantly monitor the flow of persons through the monitored area until they exit.



HighWay-G/NG

 1000 mm	 20 pers/min	 60 pers/min	 1,5 sec	 41					
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	OPENING/CLOSING	PROTECTION LEVEL	ANTI-TAILGATING	ACCESS CONTROL SYSTEM	MOTORIZED	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model	HighWay-G	HighWay-NG
Mechanism	BMDrive® servo-driven (BLDC)	
Blocking mechanism	ToothLock® (standard); ToothLock® + PinLock® (option)	
Emergency mode	Free entry/exit (gates are opened automatically)	
Power fail	Fail-safe (gates could be opened manually - standard) Automatically open - super capacitor (option)	
Standard housing	Brushed stainless steel AISI 304 and tempered glass	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request) and tempered glass	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	

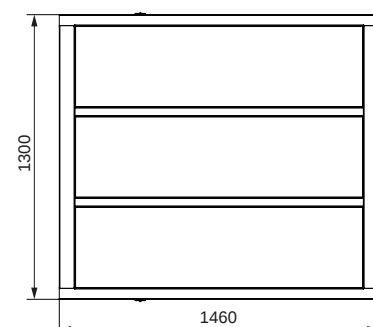
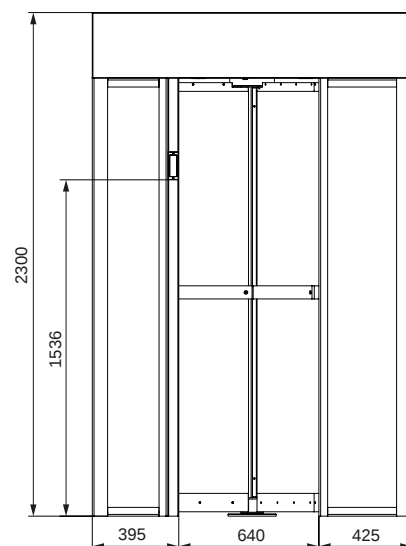




GlassGO-BP

 640 min	 15 pers/min	 30 pers/min	 IP 41				
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

Model	GlassGO-BP
Mechanism	Servo-driven (BLDC)
Blocking mechanism	Two electromechanical stop catches
Emergency mode	Free entry/exit (gates are opened automatically)
Power fail	Fail secure (rotor is locked – standard)
Standard housing	Brushed stainless steel AISI 304 and tempered glass
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request) and tempered glass
Voltage	AC (100-240)V, 50/60Hz; DC source 12V





Sesame-A

Y: 650
X: 535
mm

PASSAGE
WIDTH

20
pers/min

SINGLE
ACCESS

30
pers/min

FREE
ACCESS

41
IP 65*

PROTECTION
LEVEL



ACCESS CONTROL
SYSTEM



MANUAL
CONTROL



BI-DIRECTIONAL

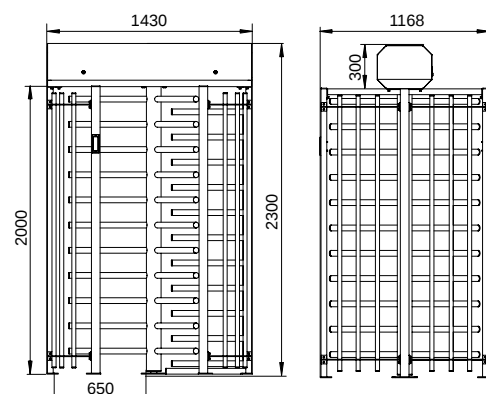


FIRE ALARM
INTEGRATION

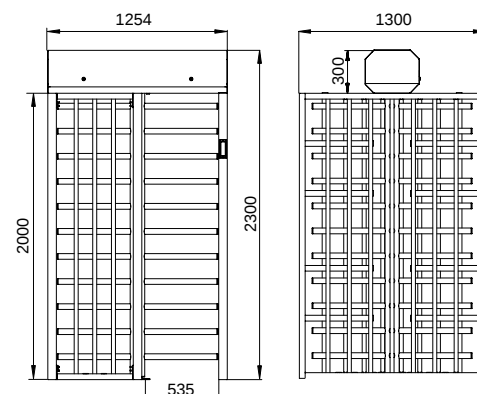
*Available upon request

Model	Sesame-A
Mechanism	StrongLock-EM (standard) StrongLock-Servo (option)
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail-safe (standard) Fail-secure (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame-A Y-type



Sesame-A X-type





Sesame-A Basic



PASSAGE
WIDTH



SINGLE
ACCESS



FREE
ACCESS



PROTECTION
LEVEL



ACCESS CONTROL
SYSTEM



MANUAL
CONTROL



BI-DIRECTIONAL

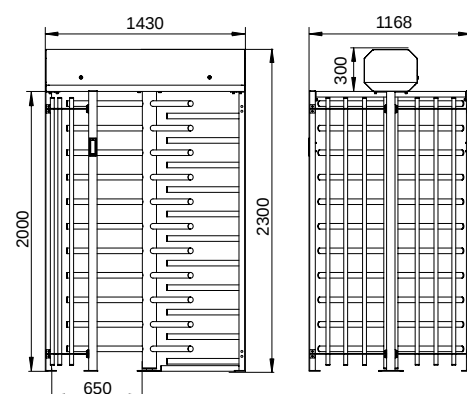


FIRE ALARM
INTEGRATION

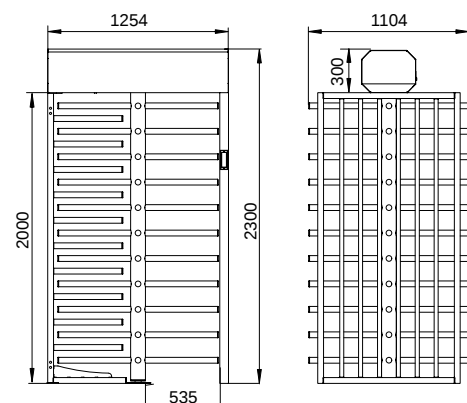
*Available upon request

Model	Sesame-A Basic
Mechanism	SafeLock-EM (standard) StrongLock-Servo (option)
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail secure (standard) Fail safe (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame-A Basic Y-type



Sesame-A Basic X-type





Sesame-L

Y: 650
X: 535
mm

PASSAGE
WIDTH

20
pers/min

SINGLE
ACCESS

30
pers/min

FREE
ACCESS

41
IP 65*

PROTECTION
LEVEL



ACCESS CONTROL
SYSTEM



MANUAL
CONTROL



BI-DIRECTIONAL

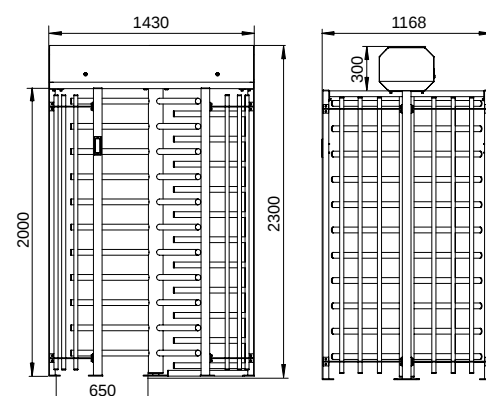


FIRE ALARM
INTEGRATION

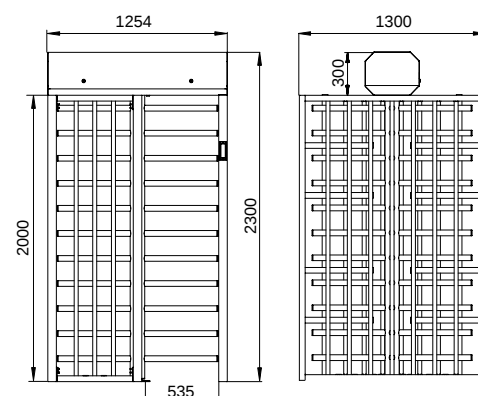
*Available upon request

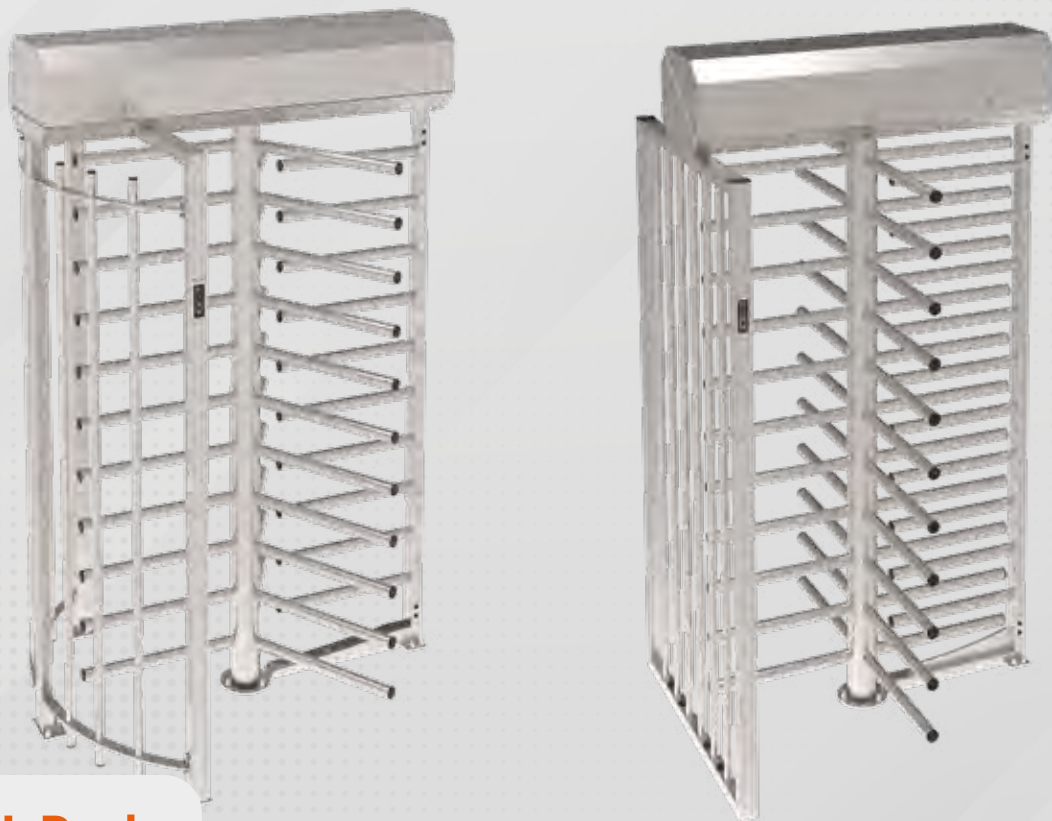
Model	Sesame-L
Mechanism	TriServo
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail safe (standard) Fail secure (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame-L Y-type



Sesame-L X-type





Sesame-L Basic

Y: 650
X: 535
mm

PASSAGE
WIDTH

20
pers/min

SINGLE
ACCESS

30
pers/min

FREE
ACCESS

41
IP 65*

PROTECTION
LEVEL



ACCESS CONTROL
SYSTEM



MANUAL
CONTROL



BI-DIRECTIONAL

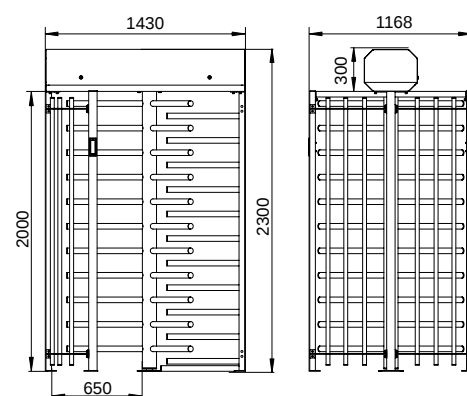


FIRE ALARM
INTEGRATION

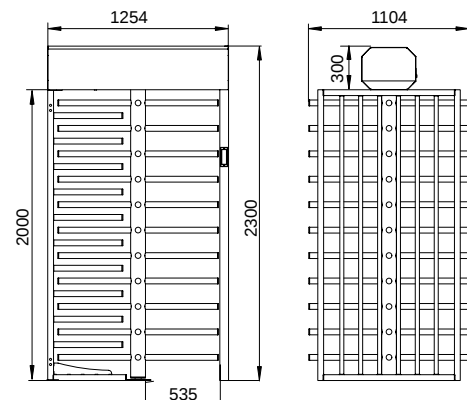
*Available upon request

Model	Sesame-L Basic
Mechanism	Servo-drive (Triservo-M)
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail safe (standard) Fail secure (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame Basic-L Y-type



Sesame Basic-L X-type





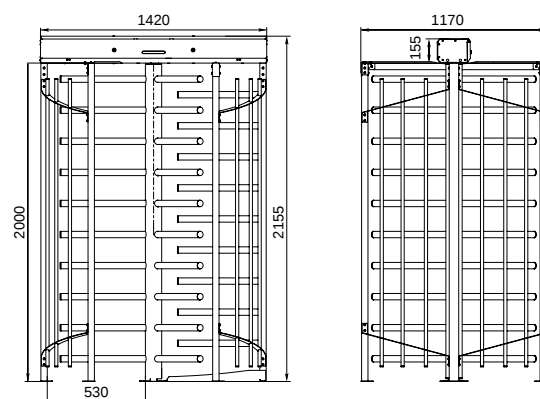
Sesame-S

 505 530 mm	 20 pers/min	 30 pers/min	 41 IP 65*				
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

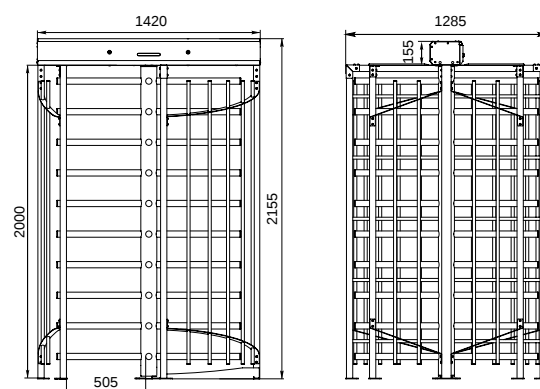
*Available upon request

Model	Sesame-S
Mechanism	SafeLock-EM
Blocking mechanism	Two electromechanical stop catches
Emergency mode	Free pass in both directions
Power fail	Fail safe (standard) Fail secure (option)
Construction features	Disassembled
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame-S Y-type



Sesame-S X-type





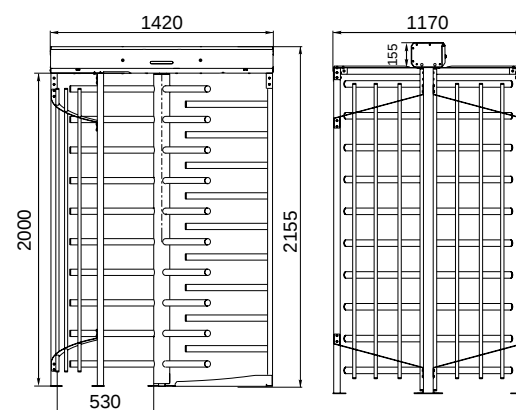
Sesame-S Basic

 505 530 mm	 20 pers/min	 30 pers/min	 41 IP 65*				
PASSAGE WIDTH	SINGLE ACCESS	FREE ACCESS	PROTECTION LEVEL	ACCESS CONTROL SYSTEM	MANUAL CONTROL	BI-DIRECTIONAL	FIRE ALARM INTEGRATION

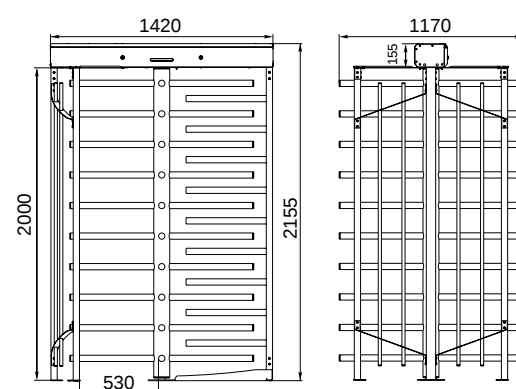
*Available upon request

Model	Sesame-S Basic
Mechanism	SafeLock-EM
Blocking mechanism	Two electromechanical stop catches
Emergency mode	Free pass in both directions
Power fail	Fail-secure (for entrance) Fail-safe (for exit)
Construction features	Disassembled
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V

Sesame Basic-S Y-type



Sesame Basic-S X-type



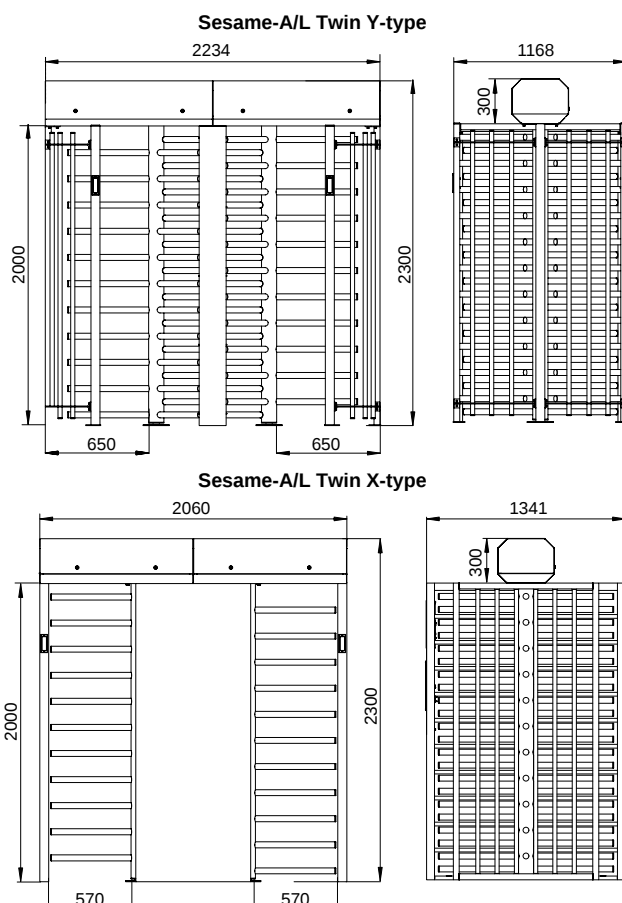


Sesame-A/L Twin



*Available upon request

Model	Sesame-A Twin	Sesame-L Twin
Mechanism	Electromechanical (standard) Servo-drive (option)	Servo-drive (Triservo-M)
Blocking mechanism	Two electromechanical stop catches (separate locking system)	
Emergency mode	Free pass in both directions	
Power fail	Fail-secure (standard) Fail-safe (option)	Fail-safe (standard) Fail-secure (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane	
Standard housing	Brushed stainless steel AISI 304	
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)	
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	





Byclone/L

 Rotor: 620
Gate: 700/900
mm
PASSAGE WIDTH

 20
pers/min
SINGLE
ACCESS

 30
pers/min
FREE
ACCESS

 41
IP 65*
PROTECTION
LEVEL

 ACCESS CONTROL
SYSTEM

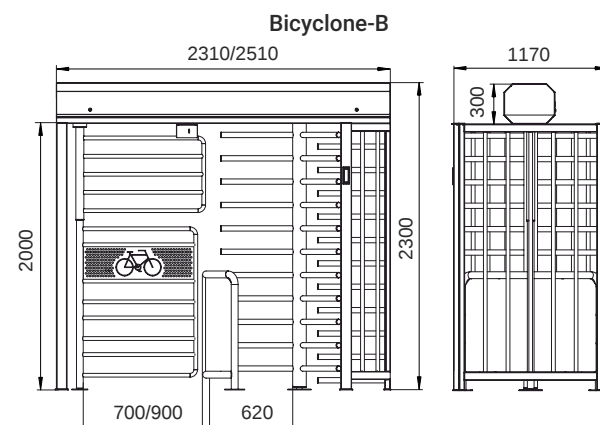
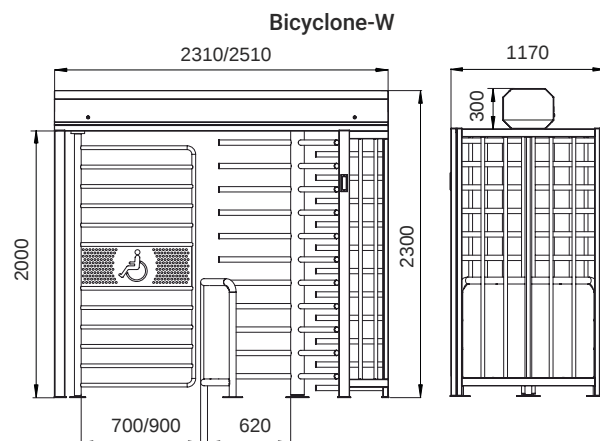
 MANUAL
CONTROL

 BI-DIRECTIONAL

 FIRE ALARM
INTEGRATION

*Available upon request

Model	Byclone	Bicyclone-L
Mechanism rotor	Electromechanical (standard) Servo-drive (option)	Servo-drive (Triservo-M)
Mechanism gate	Servo-drive (Triservo-M)	
Blocking mechanism	Two electromechanical stop catches (separate locking system)	
Emergency mode	Free pass in both directions	
Power fail	Fail-secure (standard) Fail-safe (option)	Fail-safe (standard) Fail-secure (option)
Construction features	Disassembled (standard) Full welded (option) Could be installed by a crane	
Standard housing	Brushed stainless steel AISI 304	
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)	
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	

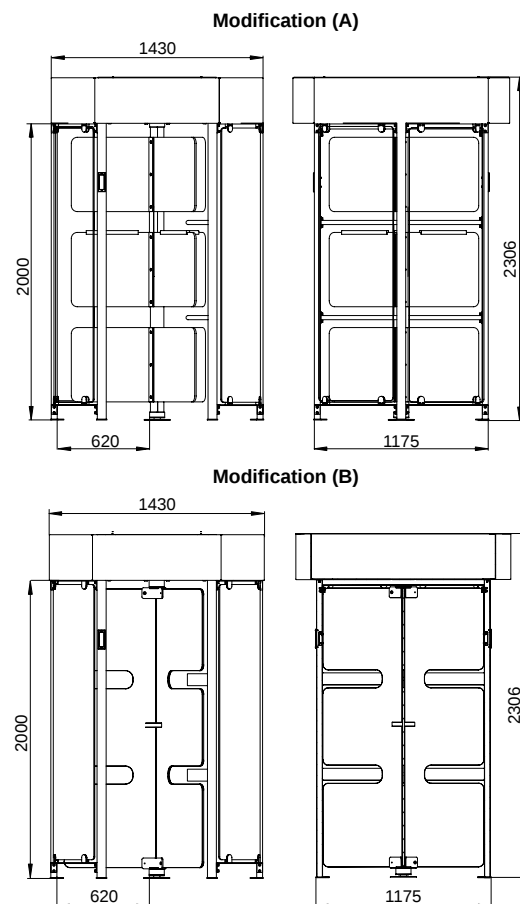




GlassGO (A)/(B)

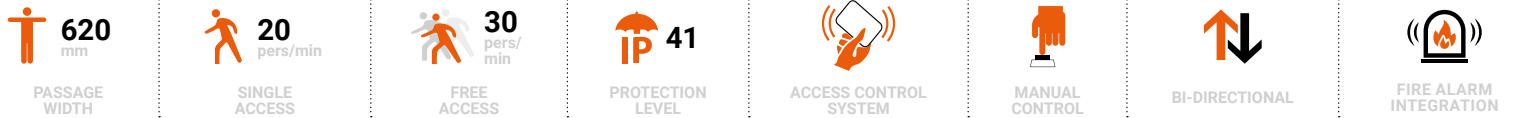


Model	GlassGO (A)	GlassGO (B)
Rotor type	Nine glass leaves angle between arms 120°	Tree shaped glass leaves angle between arms 120°
Wrong way prevention	Fencing	
Mechanism	StrongLock-Servo	
Blocking mechanism	Two electromechanical stop catches (separate locking system)	
Emergency mode	Free pass in both directions	
Power fail	Fail secure (standard) Fail safe (option)	
Standard housing	Brushed stainless steel AISI 304	
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)	
Voltage	AC (100-240)V, 50/60Hz; DC source 12V	

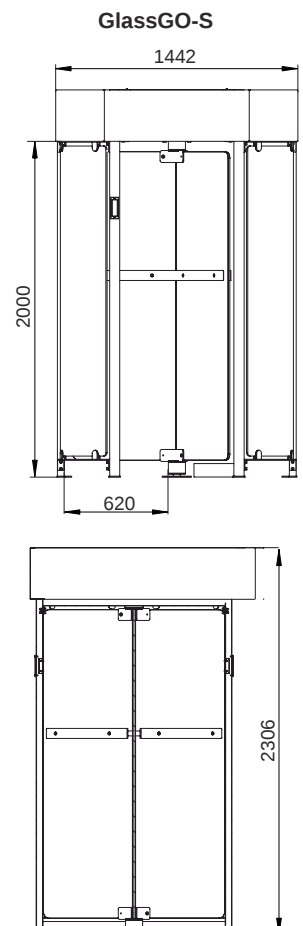




GlassGO-S



Model	GlassGO-S
Rotor type	Three solid glass leaves angle between arms 120°
Wrong way prevention	Motion sensors (with sound alarm)
Mechanism	StrongLock-Servo
Blocking mechanism	Two electromechanical stop catches (separate locking system)
Emergency mode	Free pass in both directions
Power fail	Fail secure (standard) Fail safe (option)
Standard housing	Brushed stainless steel AISI 304
Available housing	Brushed stainless steel AISI 316 Polished stainless steel AISI 304 Polished stainless steel AISI 316 Powder coated (any RAL upon request)
Voltage	AC (100-240)V, 50/60Hz; DC source 12V



Additional equipment



TWiC

TWiC manages and controls large group of turnstiles and road blockers. The user friendly 8" touch screen display graphics requires minimal training for proficiency in navigating the various pages, remotely controlling the lanes and understanding the real time feedback such as alarm events when unauthorized access is detected.



Card reader/Card collector

Card readers/Card collectors are designed for installation as a part of an access control system for enterprises, administrative facilities, banks and other sites. Elegance, lightness and simplicity make this model very popular as part of access control system.



Enclosure

Stylish enclosure (*balustrade*) from TiSO now unseparatable accessory for any our turnstiles. Its design is very simple but really efficient and easy-to install. You can purchase any combination of side or middle posts with different width of glass.

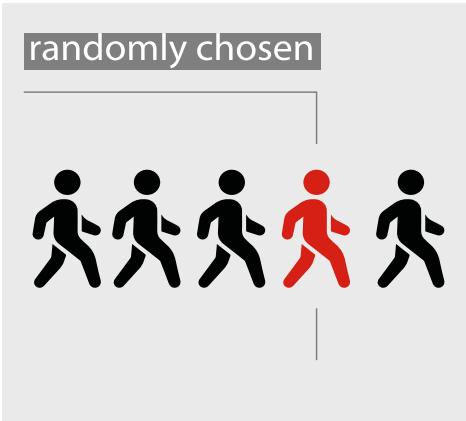


Mobile Platform

Mobile Platform consists of landing, enclosure, and can have any tripod turnstile attached to it. The main purpose of the Mobile Platform is to ensure quick and easy displacement of an installed tripod turnstile to a place of temporary usage.

Optional and standard features

TiSO turnstiles come with numerous standard and optional features, making them incredibly convenient and effective for any facility. It's truly impressive how customizable they are to meet your needs! To learn more about all the features, simply scan the QR code.



Azienda Associata



Azienda Certificata



Azienda sostenitrice A.I.P.S.



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