



# TURNSTILES & IP-BASED ENTRANCE CONTROL SOLUTIONS



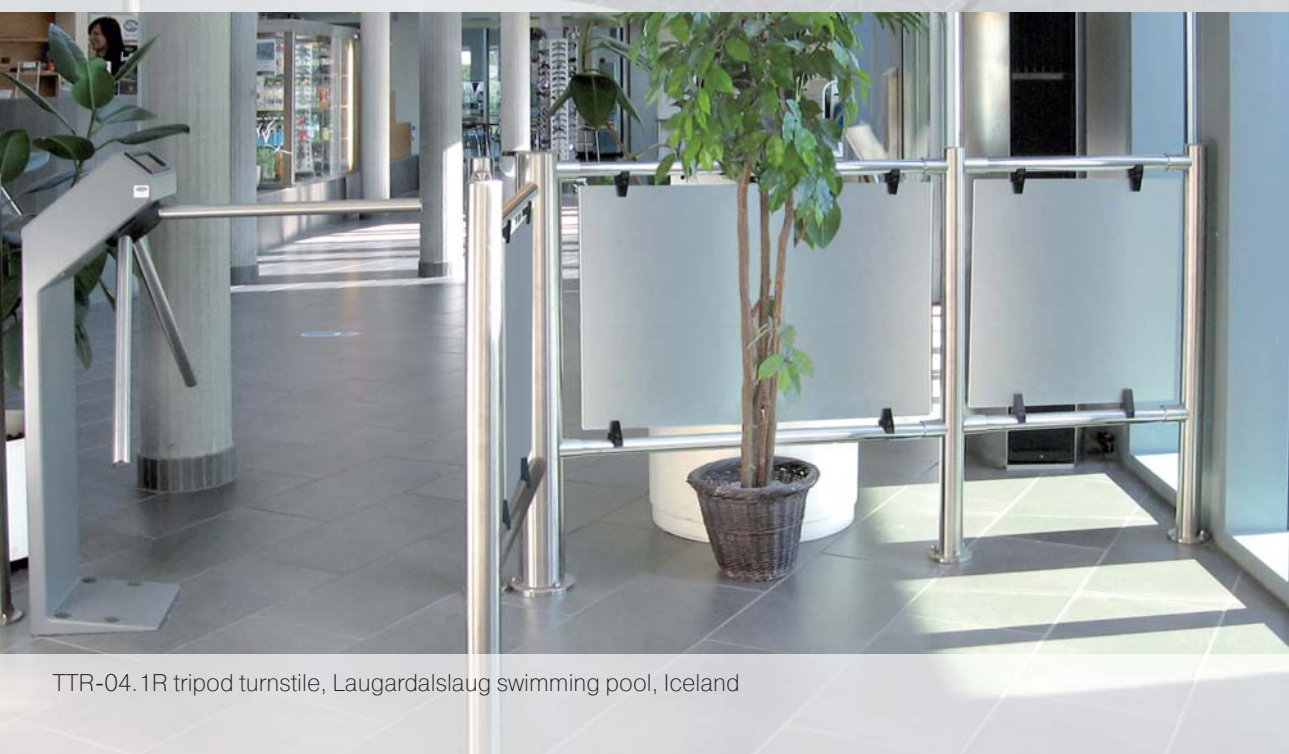
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TTD-03.1 box tripod turnstiles with BH railings and BH rotary section, Baltis Plaza business centre, St. Petersburg, Russia



TTR-04.1R tripod turnstile, Laugardalslaug swimming pool, Iceland

## PERCo TURNSTILES, GATES & RAILINGS

PERCo turnstiles, gates and railing systems are used for control of pedestrian flows and access at a wide variety of settings including industrial, commercial and transport facilities, financial institutions, sports and leisure venues, etc.

The product family of entrance control products designed and manufactured by PERCo covers a wide range of security, dimensional and aesthetical requirements and includes:

- compact tripod turnstiles
- box tripod turnstiles
- waist-high rotor turnstiles
- waist-high wicket gates
- full height rotor turnstiles
- full height security gates
- railing systems

Combined with access control systems, biometrical, ticketing, fire alarm or similar devices, PERCo entrance control products provide the level of security to meet even the most exacting requirements. A combination of elegant exterior, fast throughput and proven high reliability makes PERCo entrance control products a universal solution for entrances of buildings, offices, outlets, leisure and entertainment facilities.



RTD-03S rotor turnstiles, Arcus II business centre, Moscow, Russia



RTD-15 full height rotary turnstiles with RTC-15R canopies, Nissan Plant, St. Petersburg, Russia

PERCo turnstiles and gates can be supplied with matching railings which enables to form passageways of any desired configuration.

The hinged railing sections of rotary type are purpose-designed to provide unobstructed and fast escape routes in the event of an emergency, or for the disabled people.

Main features of PERCo turnstiles:

- stand-alone operation / operation as part of access control systems
- models for indoor and outdoor applications
- high throughput
- bi-directional passage control
- LED directional indication / status lights
- anti-panic folding arms
- safe supply voltage 12-36V
- key override control for emergency situations
- smooth reset of barrier arms after each passage
- simple installation with anchor bolts
- complete turnkey delivery set

With over 25 years expertise in the security industry, PERCo delivers products with high reliability and performance field-proven at tens of thousands of installations worldwide.

FOR OUTDOOR USE (UNDER A ROOF)



TTR-04CW-24 outdoor tripod turnstile  
light beige with pearl mica effect

FOR INDOOR USE



TTR-07 tripod turnstile with automatic anti-panic  
dark grey with pearl mica effect

FOR INDOOR USE



TTR-04.1 tripod turnstile  
black glitter, lacquered finish

FOR INDOOR USE

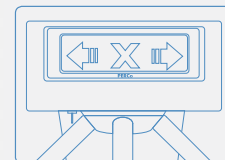
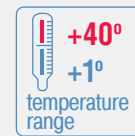
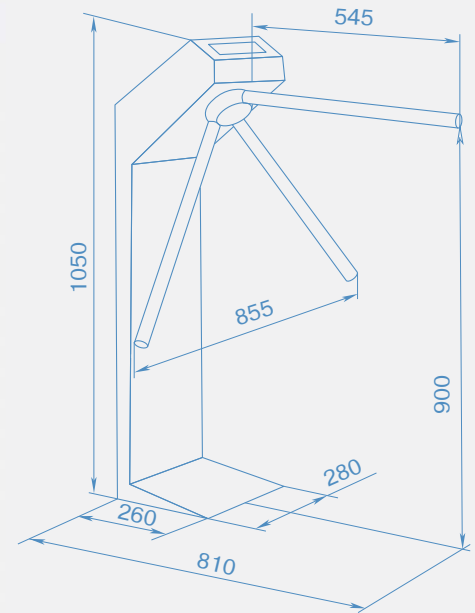


T-5 tripod turnstile  
light grey

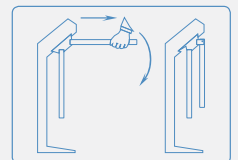
# Compact tripod turnstiles



## TTR-04.1 COMPACT TRIPOD TURNSTILES



Indication display with pictograms



Anti-panic folding arms

8

### Application

The TTR-04.1 tripod turnstile is a universal access control solution with high throughput capacity and compact design enabling effective management of even intense pedestrian flows.

Available colour options make the TTR-04.1 suitable for various indoor applications: offices, banks, exhibition centres, museums, administrative buildings, retail outlets, railway terminals, airports, etc.

### Delivery set

- turnstile with built-in electronics
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

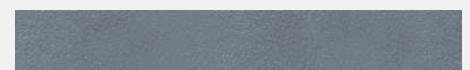
### Materials and Finishes

Turnstile housing – steel.

Sandpaper powder coating with pearl mica effect:



light beige



dark grey

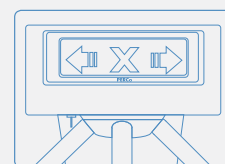
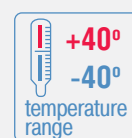
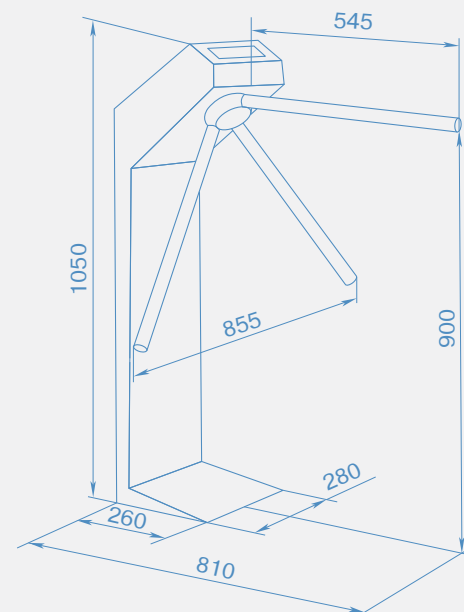
Powder coating with lacquered finish:



glitter black, starlit night

Barrier arms - stainless steel.

## TTR-04CW-24 OUTDOOR TRIPOD TURNSTILE



Indication display  
with pictograms

### Application

The TTR-04CW-24 tripod turnstile is designed for outdoor applications (under shelter) or in facilities without climate control. For better corrosion resistance the turnstile housing is coated with a layer of zinc 9 micron thick, applied by electro-chemical galvanizing, and after that with a powder coating finish. Together with a built-in thermocontrol system which keeps temperature inside the turnstile housing positive, improved coating makes the TTR-04CW-24 a perfect solution for outdoor use.

### Delivery set

- turnstile with built-in thermocontrol system
- control unit
- remote control panel
- standard barrier arms

### Materials and Finishes

Turnstile housing – steel; corrosion-resistant zinc coat plus fine structure powder coating finish.

Sandpaper powder coating with pearl mica effect:

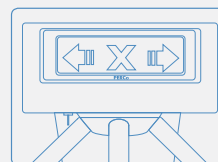
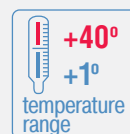
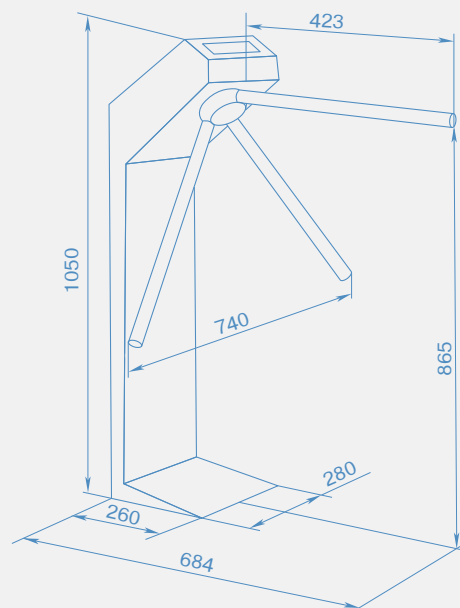


light beige

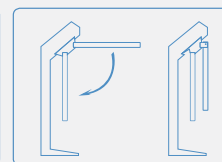
Barrier arms - stainless steel.

# TTR-07 TRIPOD TURNSTILE WITH AUTOMATIC ANTI-PANIC

WITH AUTOMATIC ANTI-PANIC



Indication display with pictograms



automatic anti-panic folding arms

10

## Application

The TTR-07 tripod turnstile is a reliable compact solution featuring automatic anti-panic folding arms.

At a power loss, by a signal from an ACS or an emergency button the barrier arm blocking the passage automatically falls down leaving the passage free. When the power is restored to bring back the folded arm into operating position (blocking the passage) just lift it manually.

## Delivery set

- turnstile with built-in electronics
- remote control panel
- automatic anti-panic barrier arms

## Design

With its compact design the TTR-07 can be applied at entrance points of various configurations, especially where lack of space is an issue. The turnstile can be fitted with PERCo railings to complete your entrance hall.



Automatic anti-panic folding arms

## Materials and Finishes

Turnstile housing – steel.

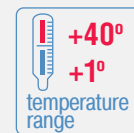
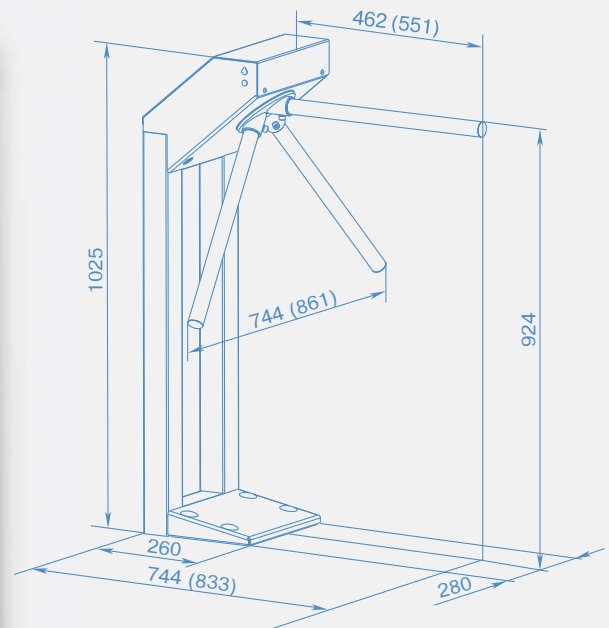
Sandpaper powder coating with pearl mica effect:



dark grey

Barrier arms - stainless steel.

## T-5 COMPACT TRIPOD TURNSTILE



temperature range



12V DC  
power supply



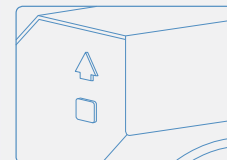
2 way control



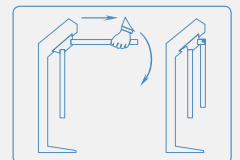
30 persons/min



key override control



Red/green status lights



Anti-panic folding arms

### Application

The T-5 turnstile provides a low-cost entrance control solution for businesses and organisations. With the functionality, mechanics and electronics similar to those of the TTR-04.1 series, this turnstile features a simpler construction design and light indication.

### Delivery set

- turnstile with built-in electronics
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

### Materials and Finishes

Turnstile housing – steel.

Sandpaper powder coating:



light grey

Barrier arms - stainless steel/painted steel, black.



TTR-04CW-24 tripod turnstiles, BSH Bosch und Siemens Hausgerdte GmbH office, Slovakia



TTR-04.1R tripod turnstile with BH rotary section, fitness club, Netherlands

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TTR-04.1R tripod turnstiles with BH railings, Phoenix business centre, St. Petersburg



TTR-04.1R tripod turnstiles, Navigator business centre, St. Petersburg, Russia



TTR-04.1R tripod turnstiles, Krasiviy Dom business centre, Moscow, Russia



TTR-04.1R tripod turnstile with BH railings, University of Auckland, New Zealand



- TB-01 box tripod turnstile with built-in readers with stainless steel housing and top cover
- TBC-01 box tripod turnstile with built-in readers and a card capture reader with stainless steel housing and top cover

TTD-03.1G box tripod turnstile with powder coated steel housing and artificial stone top cover



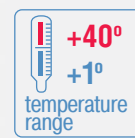
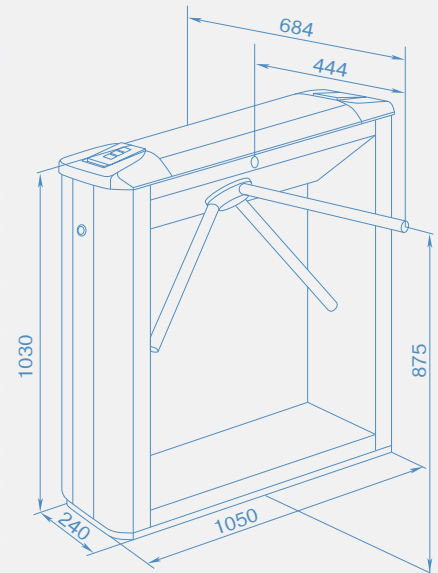
TTD-03.2S box tripod turnstile with stainless steel housing and top cover

TTD-03.2G box tripod turnstile with powder coated steel housing and stainless steel top cover

# Box tripod turnstiles



## TB-01 BOX TRIPOD TURNSTILE



temperature range



12VDC

power supply



2 way control



30 persons/min



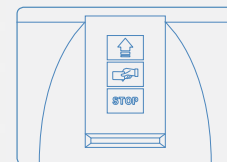
key override control



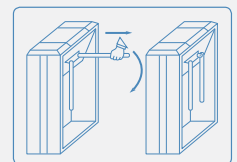
EMM/HID



2 readers



Indication display with pictograms



Anti-panic folding arms



Card reader, built-in

16

### Application

The TB-01 box tripod turnstile offers an elegant and compact solution for entrance ways with high flow at sites where interior aesthetics and security are high priorities. Fitted with two readers with Wiegand interface the turnstile can easily be integrated in any access control system.

### Delivery set

- turnstile with built-in electronics and 2 readers (EMM/HID)
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

### Design

Thanks to its design, when installed in a line, the TB-01 housings ensure secure controlled passageway, providing space-effective solution for your entrance point. Inbuilt readers will save you time, expenses and installation efforts ensuring nice concealed mounting of card readers.

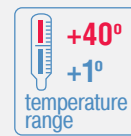
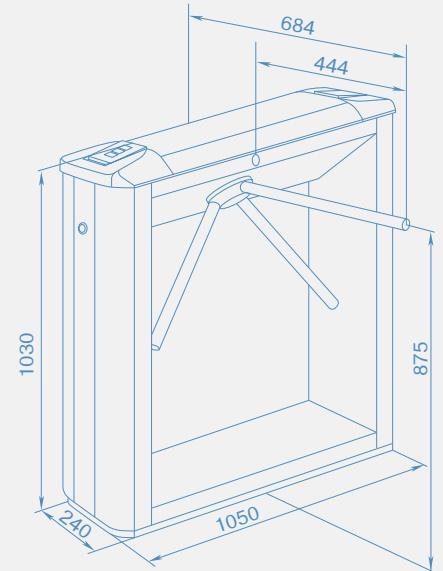
### Materials and Finishes

Turnstile housing/barrier arms – stainless steel.



Stainless steel

## TBC-01 BOX TRIPOD TURNSTILE



temperature range



30 persons/min



key override control



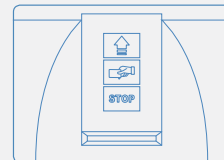
EMM/HID



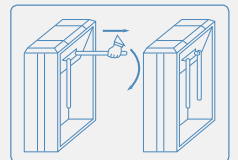
2 readers



1 card capture reader



Indication display with pictograms



Anti-panic folding arms



Card reader, built-in



Card capture reader, built-in

### Application

The TBC-01 turnstile is a multi-functional entrance solution for access control of personnel using permanent access cards and visitors required to return guest card upon leaving the facility. A guest card meant for return will be captured by the built-in card capture reader.

### Delivery set

- turnstile with built-in electronics, 2 readers and a card capture reader (EMM/HID)
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

### Design

Nicely built-in card readers and a card capture reader will save you time, expenses and installation efforts, allowing you to arrange passage for personnel and visitors through one control device.

The card capture reader can be configured to operate either at exit or at entrance way depending on your entrance layout.

Card container capacity: 350 cards.

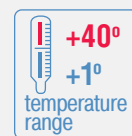
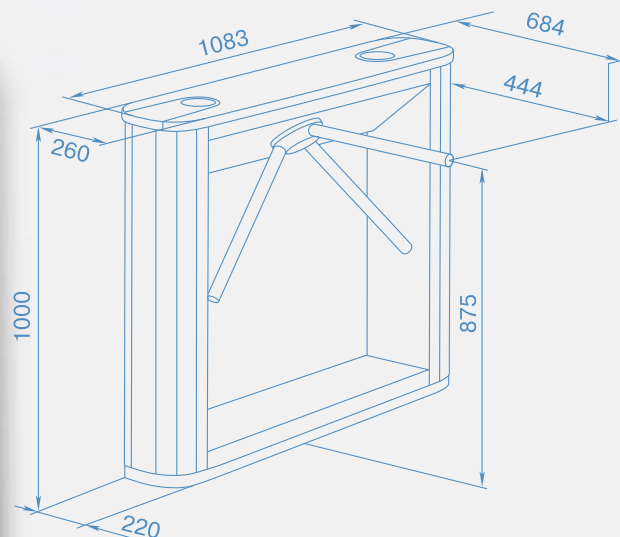
### Materials and Finishes

Turnstile housing/barrier arms – stainless steel.



Stainless steel

## TTD-03.1 BOX TRIPOD TURNSTILES



temperature  
range



12V DC  
power supply



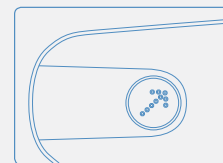
2  
way control



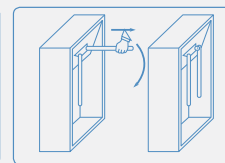
30  
persons/min



key override  
control



LED directional  
indicator



Anti-panic folding  
arms

### Application

The TTD-03.1 turnstiles offer optimal entrance control solution for places with high pedestrian flows. Especially suitable for entrances where fast pedestrian throughput and security must not come at the expense of aesthetics. Installed in one line, these turnstiles will make the passageway area without installation of extra guide barriers.

### Delivery set

- turnstile with built-in electronics
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

### Design

The top cover made of artificial stone is radio-transparent for concealed mounting of proximity card readers and features two built-in LED directional indicators. Reader operating zones on the top cover stand out with a different colour.

### Materials and Finishes

Turnstile housing – stainless/powder coated steel.



Stainless steel

Sandpaper powder coating with pearl mica effect:



dark grey

Top cover - artificial stone:



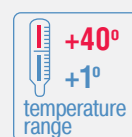
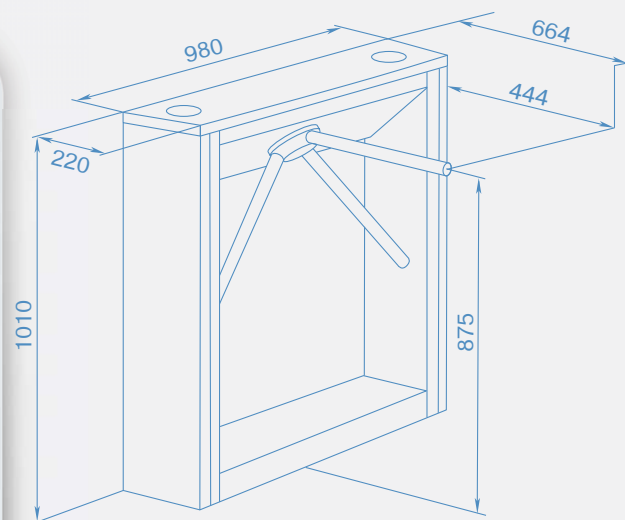
dark blue



black

Barrier arms - stainless steel.

## TTD-03.2 BOX TRIPOD TURNSTILES



temperature  
range



12V DC  
power supply



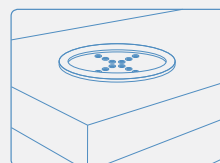
2  
way control



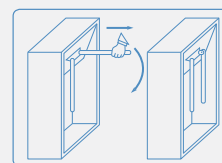
30  
persons/min



key override  
control



LED directional  
indicator



Anti-panic folding  
arms

### Application

Secure and capable of managing fast throughput, the TTD-03.2 provides industrial sites with solid hardware for entrance control. Made entirely of stainless steel it will as well perfectly fit interior of banks, office buildings and financial institutions providing modern-looking solution together with secure control. Installed in one line, these turnstiles will make the passageway area without installation of extra guide barriers.

### Delivery set

- turnstile with built-in electronics
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)

### Materials and Finishes

Turnstile housing – stainless steel/  
powder coated steel.



Stainless steel

Sandpaper powder coating with pearl  
mica effect:



dark grey

Top cover - stainless steel.

Barrier arms - stainless steel.



TTD-03.1S box tripod turnstiles, Benoit business centre, St. Petersburg



TTD-03.1S box tripod turnstiles, business centre, Kiev, Ukraine

20



TTD-03.2G box tripod turnstiles, industrial enterprise, Czech Republic



TTD-03.2G box tripod turnstiles, business centre, Saudi Arabia



TTD-03.2S box tripod turnstiles, Ostankino TV centre, Moscow, Russia



TTD-03.2S box tripod turnstiles with BH rotary section, Adidas company, Moscow

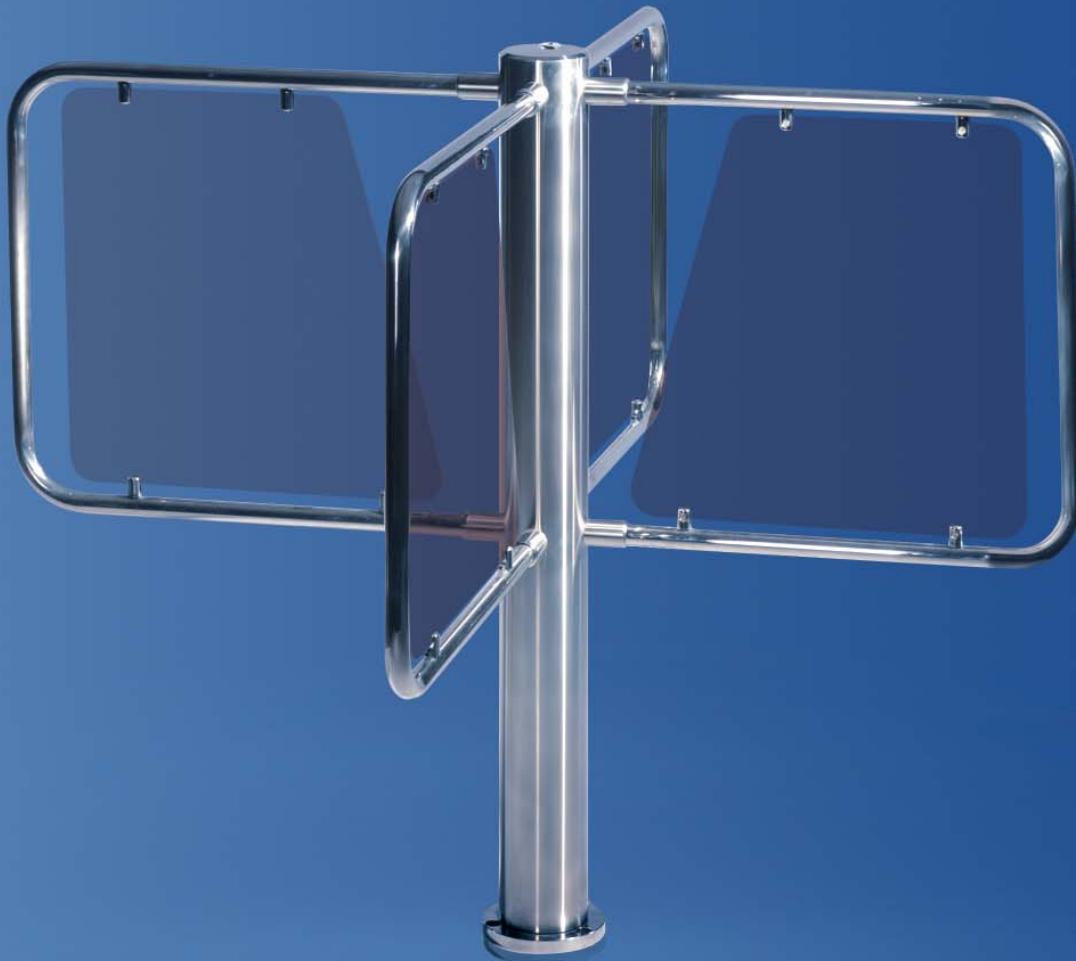


RTD-03S waist-high rotor turnstile  
with RB-03TP wood handrails and filler panels made of polycarbonate sheets



RTD-03S waist-high rotor turnstile  
with RB-03S stainless steel handrails and filler panels made of polycarbonate sheets

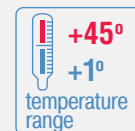
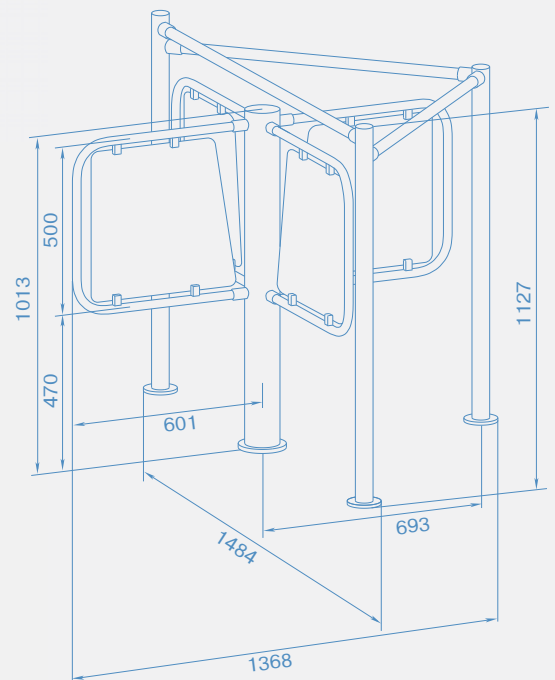
# Waist-high rotor turnstiles



## RTD-03S WAIST-HIGH ROTOR TURNSTILES



Waist-high rotor turnstile with RB-03S stainless steel guide barrier set



temperature range



power supply



power consumption



2 way control



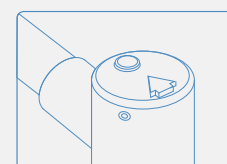
23 persons/min



key override control



motor drive



Red/Green status lights

### Application

The RTD-03S rotor turnstiles are designed for control of access at entrance points where security and comfort of passage are equally important. The turnstile features an electric drive which ensures smooth automatic reset after each passage. Made of polished stainless steel, supplied with matching stainless steel barrier guides with built-in status lights the turnstile will fit any modern interior design.

### Delivery set

- turnstile housing
- guide barrier set
- control unit with power supply and battery
- remote control panel

### Materials and Finishes

Rotor, posts, handrails, barrier wing frames – stainless steel.



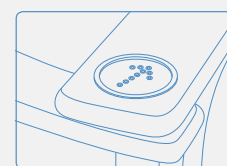
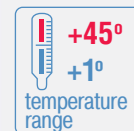
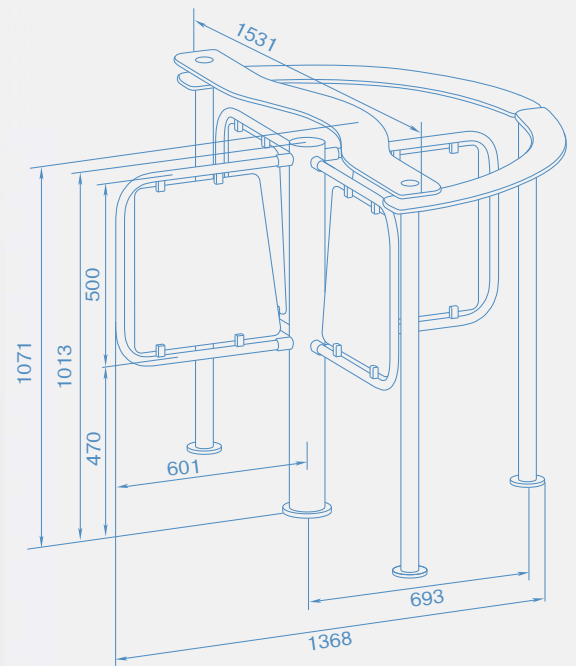
Stainless steel

Filler panels - polycarbonate sheets.

# RTD-03S WAIST-HIGH ROTOR TURNSTILES



Waist-high rotor turnstile with RB-03TP stainless steel guide barrier set and wooden handrails



LED directional indicator

## Application

The RTD-03S rotor turnstiles are designed for control of access at entrance points where security and comfort of passage are equally important. The turnstile features an electric drive which ensures smooth automatic reset after each passage. Made of polished stainless steel, supplied with matching stainless steel barrier guides and wooden handrails with built-in LED directional indicators the turnstile will fit any modern interior design.

## Delivery set

- turnstile housing
- guide barrier set
- control unit with power supply and battery
- remote control panel

## Materials and Finishes

Rotor, posts, barrier wing frames – stainless steel.



Stainless steel

Filler panels - polycarbonate sheets.  
Handrails - solid ashwood/beechwood, stainless steel.



RTD-03S rotor turnstiles, Belarusneft administrative office, Gomel, Belarus



RTD-03S rotor turnstile with WMD-05S motorized wicket gate, business centre, Kiev, Ukraine

26



RTD-03S rotor turnstile, business centre, Moscow, Russia



RTD-03S rotary turnstiles with WMD-05S motorized wicket gate and IC-03 card capture reader, Leon business centre, St. Petersburg, Russia



RTD-03S rotor turnstiles, Slavianski Plaza business centre, Perm, Russia



RTD-03S rotor turnstiles, business centre, Minsk, Belarus



RTD-15 full height rotor turnstile

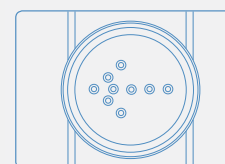
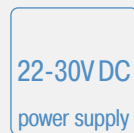
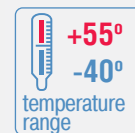
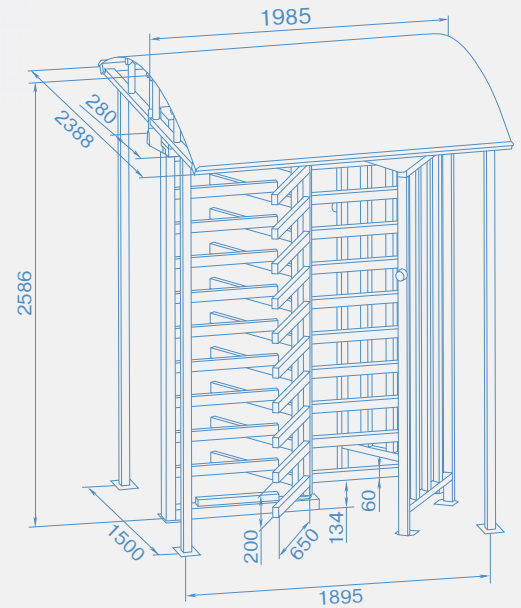


WHD-15 full height security gate

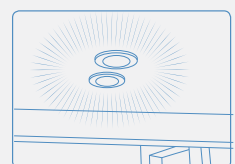
# Full height rotor turnstiles and full height security gates



# RTD-15 FULL HEIGHT ROTOR TURNSTILES



LED directional indicator



Flush mounted walkway downlights

30

## Application

The RTD-15 series rotor turnstiles are designed for complete and secure closure of the passageway and used for control of access at locations with high security requirements.

## Delivery set

- turnstile with built-in electronics
- guide barrier set
- remote control panel

## Options

- RTC-15 protective canopy for greater security and protection of the turnstile elements
- WHD-15 full height security gate
- MB-15 full height railings (p. 42 of the catalogue)
- Foundation frame with the openings and holes to ease installation of the full height turnstile

## Models

- RTD-15.1 motorized
- RTD-15.2 electromechanical

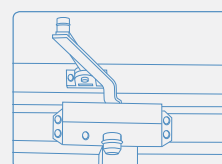
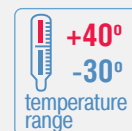
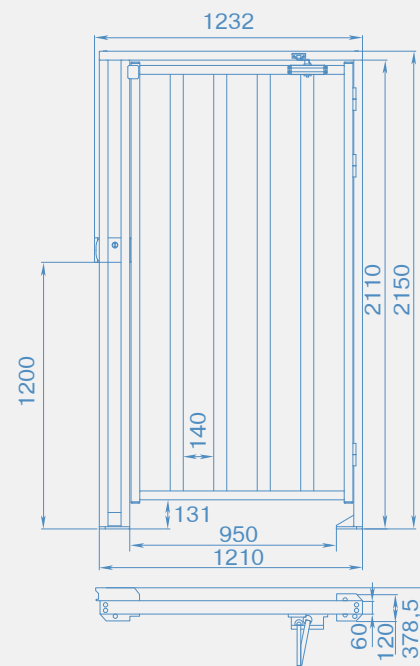
## Materials and Finishes

Corrosion protected powder coated aluminium frame. Sandpaper powder coating with pearl mica effect:

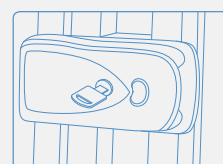


light beige

# WHD-15 FULL HEIGHT SECURITY GATE



Door closer



Electric lock

## Application

The WHD-15 security gate is designed for secure closure of the passageway and used for control of access at locations with high security requirements. The gate enables wheelchair access and movement of bulky items.

The gate can be used either as a stand-alone unit with an electric lock or as part of access control system.

## Delivery set

- assembled gate
- electric rim lock
- door closer with fasteners

## Design

- for indoor and outdoor application
- single-direction swing gate

## Materials and Finishes

Corrosion protected powder coated aluminium frame. Sandpaper powder coating with pearl mica effect:



light beige



RTD-15 full height rotor turnstile, Sberbank of Russia, Tyumen



RTD-15 full height rotor turnstiles, Petrozavodskmash industrial enterprise, Petrozavodsk, Russia

32



RTD-15 full height rotor turnstiles, student residential area, St. Petersburg, Russia



RTD-15 full height rotor turnstiles, Jebel Ali Seaport, Dubai city, U.A.E.



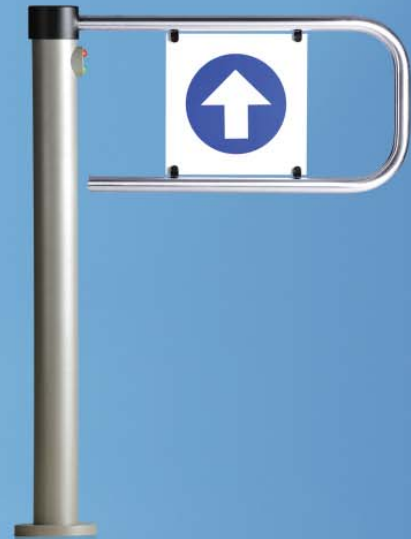
RTD-15 full height rotor turnstile, Ggantija Temples, Gozo, Malta



RTD-15 full height rotor turnstile with RTC-15 canopy, Arneg plant, Padua, Italy



WMD-05S motorized wicket gate  
stainless steel



WHD-04R wicket gate light beige colour with pearl  
mica effect



WHD-04E wicket gate black glitter colour with  
lacquered finish

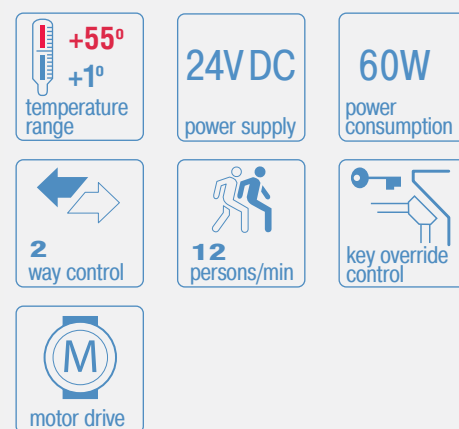
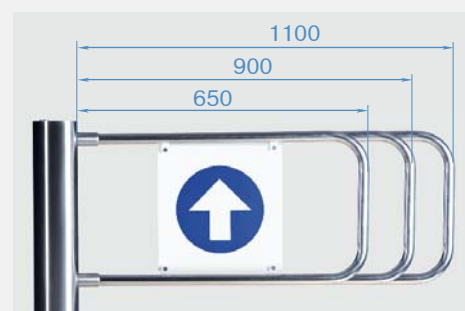
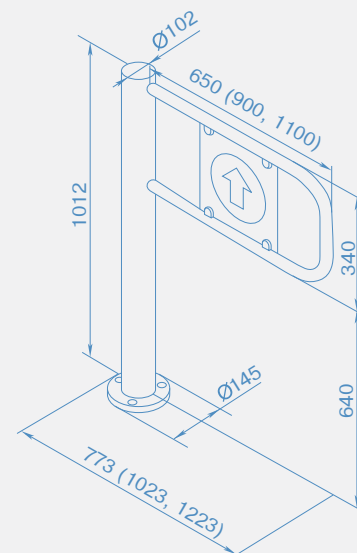


WHD-04G wicket gate dark grey colour with pearl  
mica effect

# Wicket gates



# WMD-05S MOTORIZED WICKET GATES



## Application

Motorized wicket gates of WMD series have proven an ideal access control solution for convenient access of people in wheelchairs, mothers pushing prams or shoppers carrying bulky goods.

## Delivery set

- wicket gate post
- control unit with power supply and battery
- remote control panel
- swing panel 650/900/1100 mm (the length is chosen by a Client at the time of order)

## Design

The WMD-05S wicket gate features a drive with a high-accuracy location sensor (encoder) ensuring well-synchronized operation of 2 wicket gates controlled by one control signal.

With an additional input for Fire Alarm the wicket gate can be unlocked in any direction from an external control device by a fire alarm signal, for instance.

## Materials and Finishes

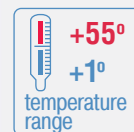
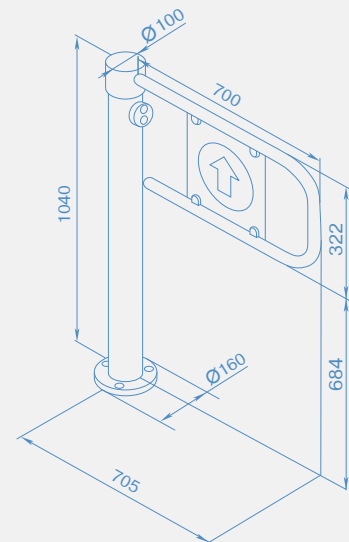
Wicket gate post/swing panel – stainless steel.



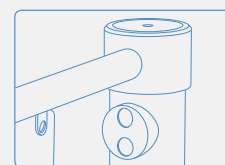
Stainless steel

Filler panel (double-sided info sign) – reinforced plastic

## WHD-04 WICKET GATES



temperature range



Red/green status lights

### Application

An economical access control solution, which is often used to enforce one-way pedestrian traffic.

### Delivery set

- wicket gate (post and swing panel)
- control unit with power supply and battery
- remote control panel

### Design

- Fail-safe operation - free swing upon power loss

When the gate is unlocked by the signal from the remote control panel or access control system, the entrant should push the swing panel in the direction of authorised passage. The gate will smoothly return to home position after the passage is complete.

If required, one of the passage directions can be mechanically locked.

### Materials and Finishes

Swing panel - brushed stainless steel.

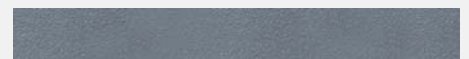
Filler panel - double-sided info sign, reinforced plastic.

Gate post - powder coated steel.

Sandpaper powder coating with pearl mica effect:



light beige



dark grey

Powder coating with lacquered finish:



black glitter



WHD-04R wicket gates, Duna centre office house, Budapest, Hungary



WMD-05S motorized wicket gate with TTR-04.1E tripod turnstile, Bodytech fitness centre, New Zealand

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WMD-05S motorized wicket gates, duty-free shop in Pulkovo, St. Petersburg, Russia



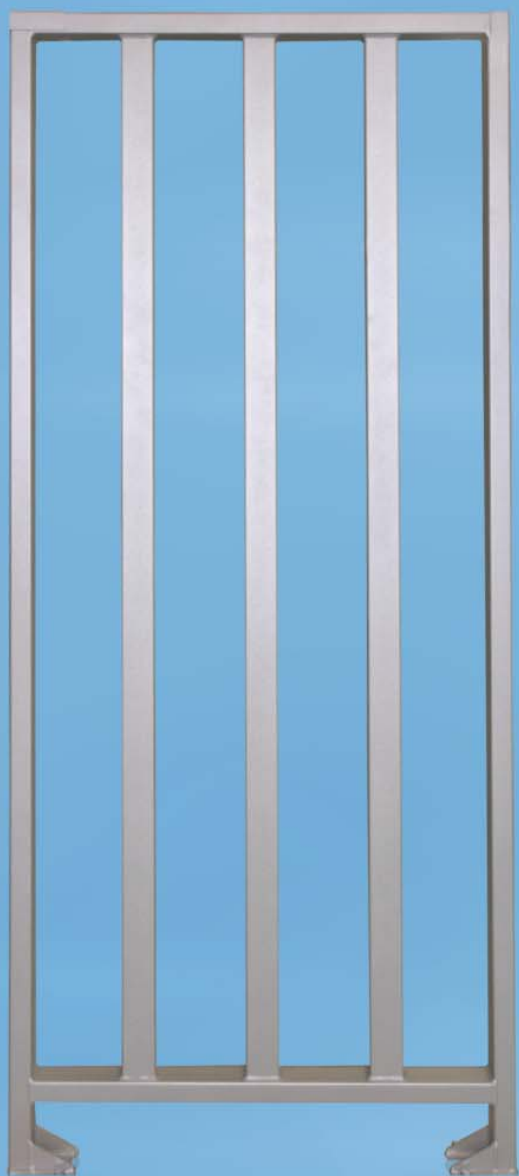
WHD-04R wicket gates, Corfu Seaport, Greece



WMD-05S motorized wicket gates, beach resort, Athens, Greece



WHD-04G electromechanical wicket gates, Lenincts holding company, St. Petersburg, Russia



MB-15 full height railing



BH-02 waist-high rotary section with automatic anti-panic

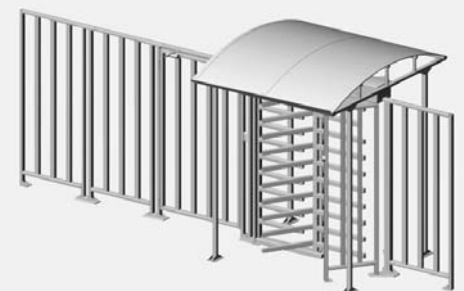
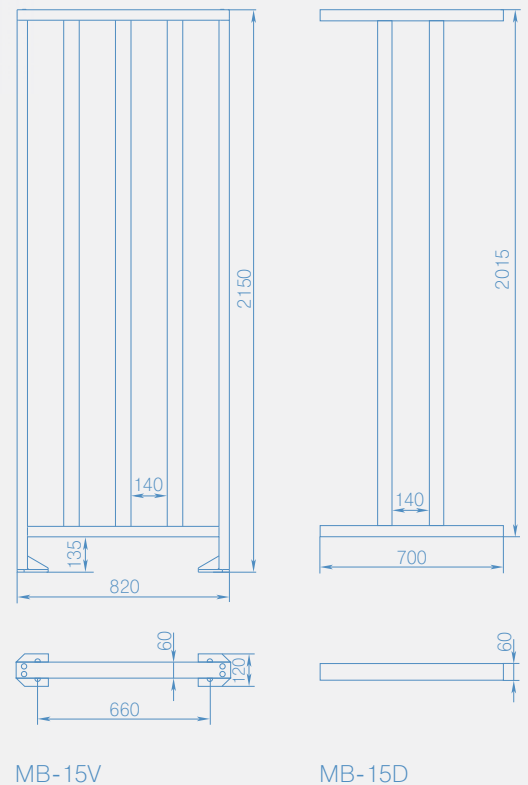


BH-02 waist-high rotary section (mechanical)

# Railing systems



# MB-15 FULL HEIGHT RAILINGS



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## Application

The MB-15 full height railings are meant to complete passage ways equipped with full height turnstiles of RTD-15 series. Used in combination with RTD-15 full height turnstiles/full height security gates, they will ensure a completely enclosed secure passage area. With high corrosion protection of the aluminum alloy frame the railings will withstand many years of harsh environmental exposure.

## Options

The MB-15 full height railings can be used together with extension sections and middle post sections to fill the smaller gaps between the full height elements to make the passage even more secure. Purposely designed brackets and mounting plates will properly connect all the elements (full height security gates, turnstiles and railings) in one robust secure construction.

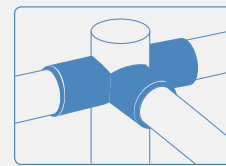
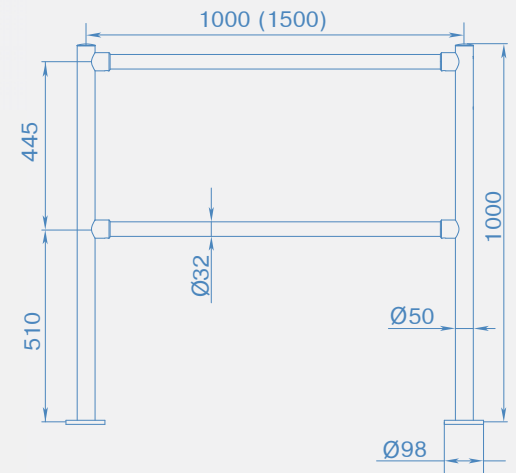
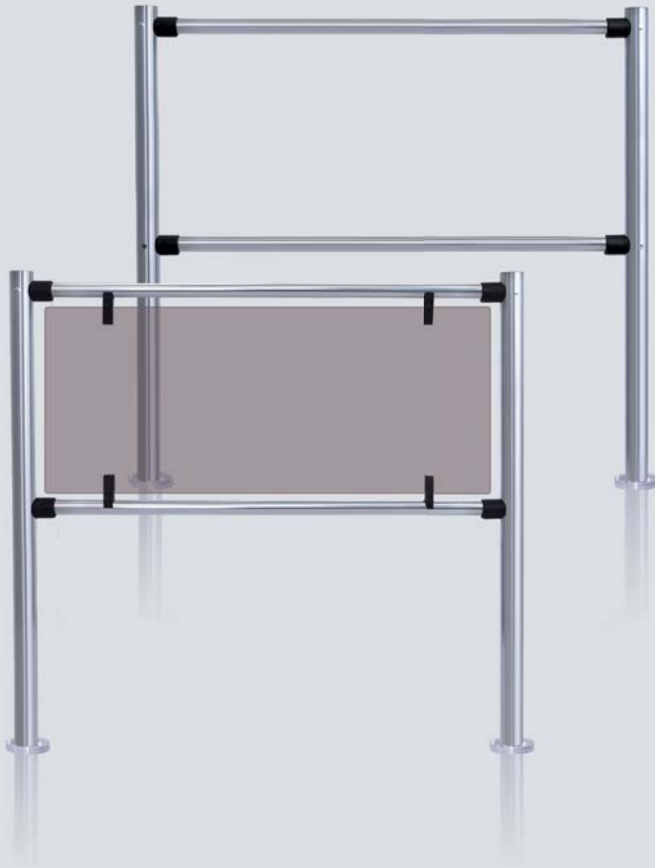
## Materials and Finishes

Frame – powder coated aluminum.  
Sandpaper powder coating with pearl mica effect:

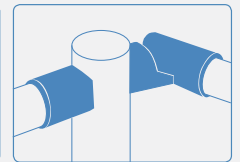
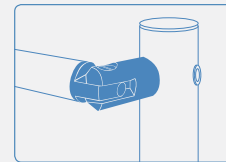


light beige colour

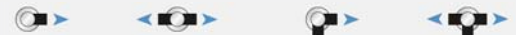
## BH-02 WAIST-HIGH RAILING SECTIONS



Standard coupling fittings



Adjustable coupling fittings



End post   Centre post   Corner post   T-post

### Application

Styled in one design the BH-02 series enables you to enclose open space that needs to be secured completing your passageway. The BH-02 series offers 4 types of posts, several types of coupling fittings as well as railings up to 1400 mm long allowing you to form railing system of any configuration.

### Design

The BH-02 railings match and easily integrate with various models of PERCo turnstiles and wicket gates.

### Materials and Finishes

End posts – stainless steel pipe, D-50 mm.

Railing – stainless steel pipe, D-32 mm.

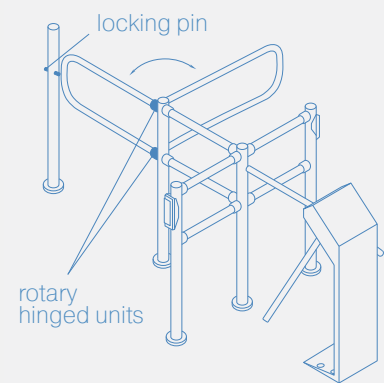
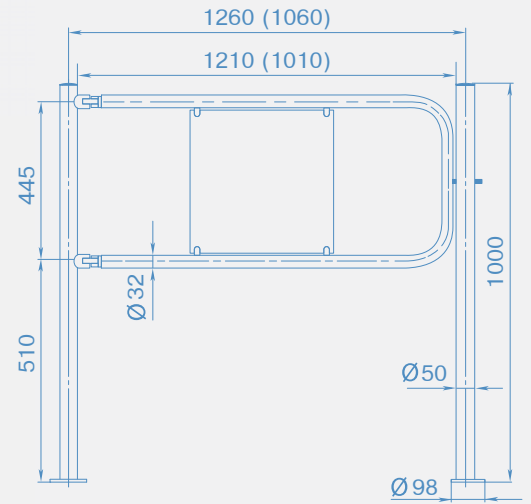


Stainless steel

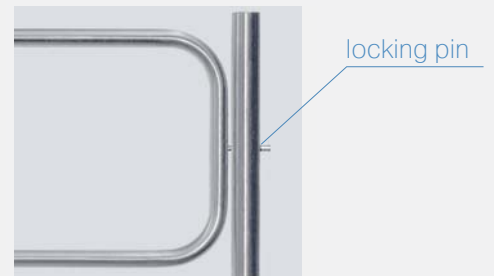
Coupling fittings – plastic, black.

Filler panels – polycarbonate.

## BH-02 WAIST-HIGH ROTARY SECTION (MECHANICAL)



Anti-panic hinged sections



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### Application

The BH-02 hinged section of rotary type is designed to provide an unobstructed and fast escape route in emergency cases. Thanks to its design and a passage width of up to 1200 mm the hinged section is suitable for wheelchair access and deliveries of large or bulky items and can be used as a mechanical security gate.

### Design

At normal operation the BH-02 hinged section is used as a railing section to complete a passage area. When needed, the section can be opened in any direction without use of special tools or keys, by pulling the locking pin.

### Materials and Finishes

End posts – stainless steel pipe, D-50 mm.

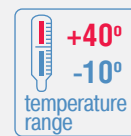
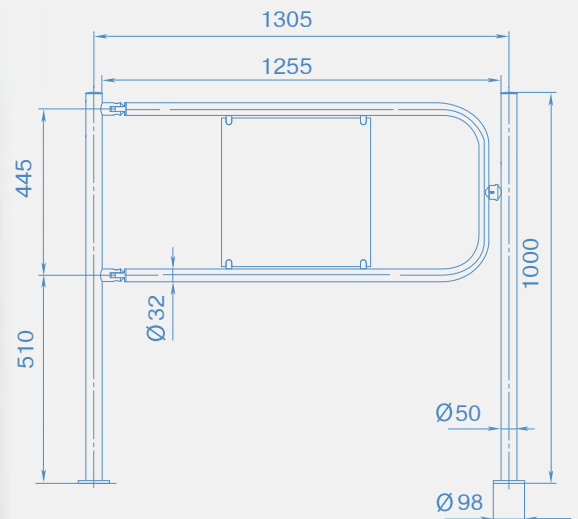
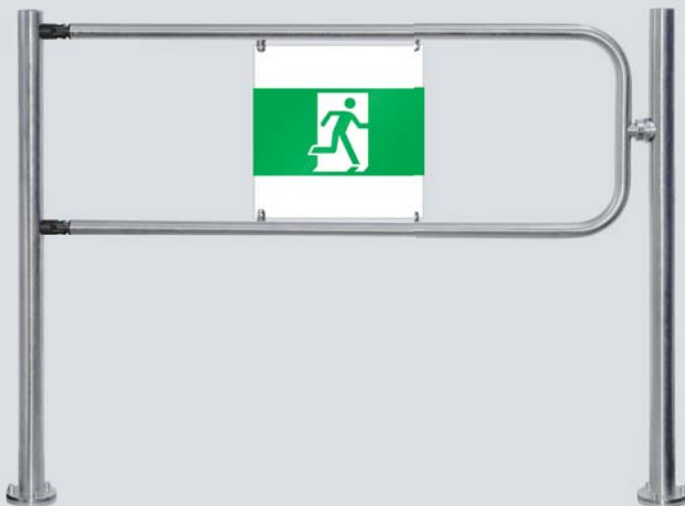
Swing panel – stainless steel pipe, D-32 mm.



Stainless steel

# BH-02 WAIST-HIGH ROTARY SECTION (AUTOMATIC)

WITH AUTOMATIC ANTI-PANIC



Fail-safe operation

## Application

Designed to ensure free passage in an emergency case the hinged section BH-02 automatically opens:

- at a power loss
- by signal from an ACS or emergency button
- manually, if force applied to its swing panel exceeds 40 kg.

Apart from being used as an emergency exit, the BH-02 hinged section with its width of 1200 mm is a perfect solution to arrange passage for disabled people.

## Design

BH-02 can be fitted with a BH-02 series of railings to arrange railing systems of various configurations. Made in same style they will perfectly fit and will give your entrance way a complete look.

## Materials and Finishes

End posts – stainless steel pipe, D-50 mm.

Swing panel – stainless steel pipe, D-32 mm.



Stainless steel



BH railings with TTD-03.2 box tripod and IC-03 card capture reader, Avantage business centre, St. Petersburg, Russia



BH railings with TTD-03.1S box tripods, Renaissance Plaza business centre, St. Petersburg, Russia

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BH railings with BH rotary section and TTR-04.1R tripod turnstile, aquapark, Grodno, Belarus



BH railings with IP-Stile KT-02, Stroy Corporation, St. Petersburg, Russia



BH railings with BH rotary section and TTR-04.1E tripod turnstiles, Cascade business centre, St. Petersburg, Russia



BH railings with BH rotary section and TTR-04.1R tripod turnstiles, GZAS im. Popova factory, Nizhny Novgorod, Russia



KT-05 IP-Stile



KR-05 IP-Stile

# IP-Stiles

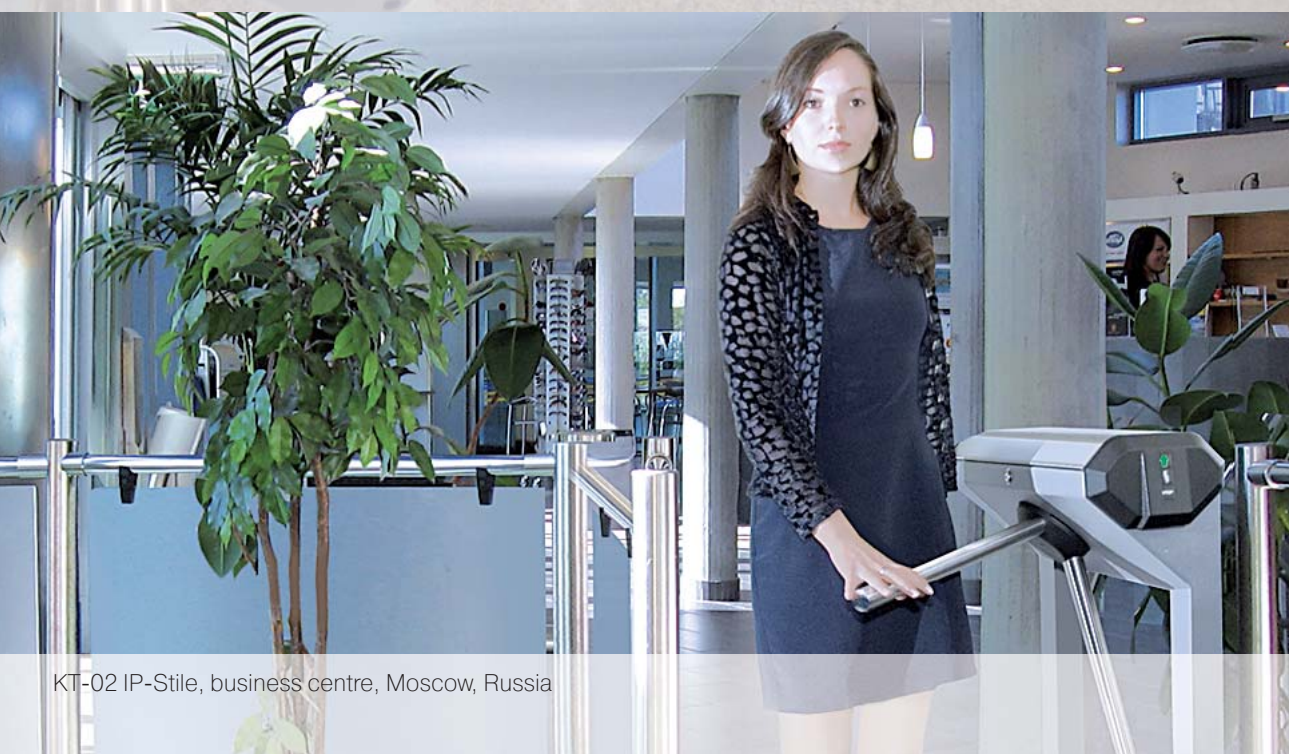


KT-02 IP-Stile

IC-03 card capture reader



KT-02 IP-Stile, Ozerniy sanatorium, Grodno, Belarus



KT-02 IP-Stile, business centre, Moscow, Russia

## PERCo IP-STILES

PERCo IP-Stiles are designed as a complete access control system (ACS), as standard including hardware and software that enables you to arrange controlled access to a facility by proximity cards.

IP-Stile standard package includes:

- a turnstile (type chosen by a Client at the time of order)
- 2 built-in proximity card readers
- a built-in controller
- PERCo software.

When a proximity card is presented to a built-in reader, it is validated by the built-in controller, which sends a signal to the turnstile either to grant an access and permit the passage or deny access, leaving the turnstile locked. The staff entrance and exit time is registered and is stored in a non-volatile memory of the controller and can be displayed in a report. We optionally offer software with video verification enabling to prevent unauthorized use of valid IDs.



KT-02 IP-Stile with BH railings, Ammofos fertilizer plant, Cherepovets, Russia



KT-05 IP-Stiles with BH railings, Regional Finance and Economy Institute, Voronezh, Russia

The IP-Stile can also be controlled without installation of any software, through a web-based interface.

At facilities with a larger number of employees where one access point is not enough several IP-Stiles can be integrated in one access control system or be incorporated in an existing one over Ethernet protocol.

There are 3 models of IP-Stiles. We offer IP-Stiles:

- based on a compact tripod turnstile
- based on a box tripod turnstile
- based on a waist-high rotor turnstile

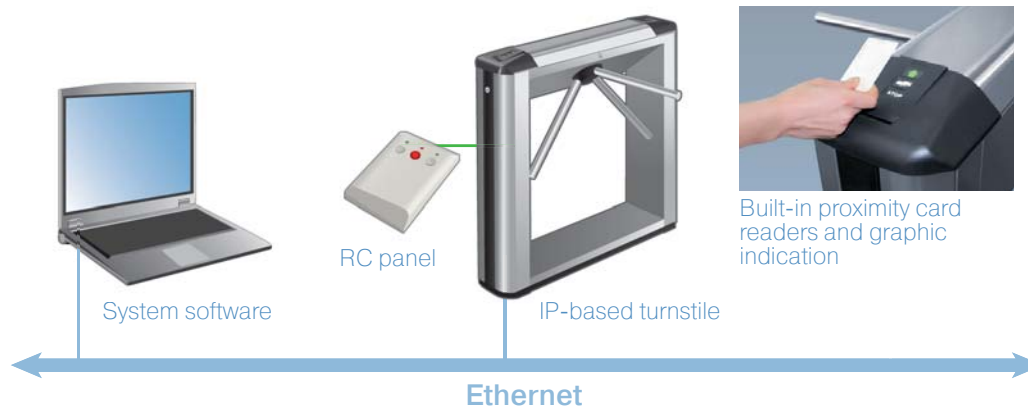
PERCo IP-Stiles bring to a customer complete access control solution which:

- is ready for use
- requires minimum configurations – just add cards to the list using a PC connected to the IP-Stile
- will save you time and efforts for installation - everything is built-in and preinstalled – you just need to fix the turnstile housing to the floor and anchor it.

## PERCo SOFTWARE

PERCo IP-Stiles, based on a tripod turnstile, box tripod turnstile or a waist-high rotor turnstile can be operated:

- by SL-01 software (basic single-user software supplied with a standard delivery set)
- by SL-02 software (software with video verification, optional)
- through a web-interface (free of charge).



### SL-01 software

SL-01 is basic software supplied in a standard delivery set with all IP-Stiles, allowing for basic functions such as:

- administration of employee lists (full names);
- issue of access cards;
- access rights assignment under authorized/non-authorized principle;
- setting and change of access modes;
- hardware configuration;
- database event logging with data exportable, e.g. to an Excel file.

PERCo-SL01, version 5.1.1.2

File View Edit Access Settings Help

Employees Configuration Events Verification

Events from 10.02.2009 until 12.03.2009

Date	Time	Device	Event	Facility Code	Number	Full Name
12.03.2009	15:17:36	Reader 1	Refusal to access	1	31	Kevin Johnson
12.03.2009	15:17:08	Reader 1	Refusal to access	1	33	Samanta Johnson
12.03.2009	09:48:03	Controller	Device sound is OFF			
12.03.2009	09:48:28	Controller	Connection reactivation			
12.03.2009	09:48:26	Controller	Controller restart (WatchDog)			
12.03.2009	09:48:00	Controller	Power recovery			
12.03.2009	09:48:00	Controller	Power-up			
11.03.2009	10:56:45	Controller	Power-down			
11.03.2009	10:56:07	Controller	Device sound is OFF			
11.03.2009	10:56:05	Controller	Connection reactivation			
11.03.2009	10:56:03	Controller	Controller restart (WatchDog)			
11.03.2009	10:46:20	Controller	Device sound is OFF			
11.03.2009	10:45:14	Controller	Connection reactivation			
11.03.2009	10:45:12	Controller	Controller restart (WatchDog)			
11.03.2009	10:38:25	Controller	Connection reactivation			
11.03.2009	10:37:39	Controller	Controller restart (WatchDog)			
11.03.2009	10:34:54	Controller	Device sound is OFF			
11.03.2009	10:34:50	Controller	Power-up			

Controller Controller Access Control

IP address 10.0.1.60 Subnet mask 255.0.0.0 Gateway 0.0.0 MAC-address 00:0b:3c:00:6a:f8

Screenshot of an employee list

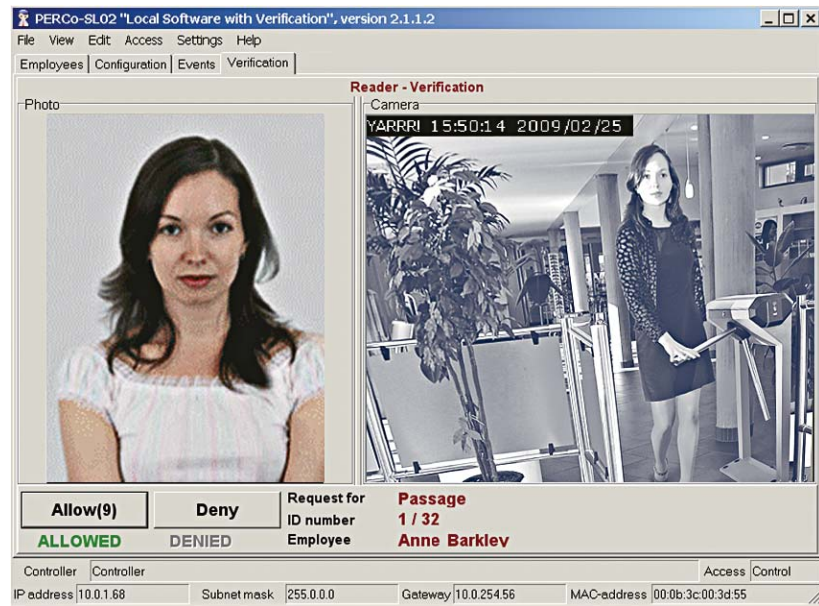
### SL-02 software

SL-02 software with video identification enables to prevent unauthorized use of valid ID cards that have been lost, stolen or otherwise improperly obtained. The entrant's face can be checked against the card holder's photo from the database which appears on the screen

when the card is presented.

Additionally to the functions provided by the SL-01 basic software, SL-02 allows for:

- real-time capture of dynamic video image;
- employee and visitor identification and verification by means of photo and video frame images.



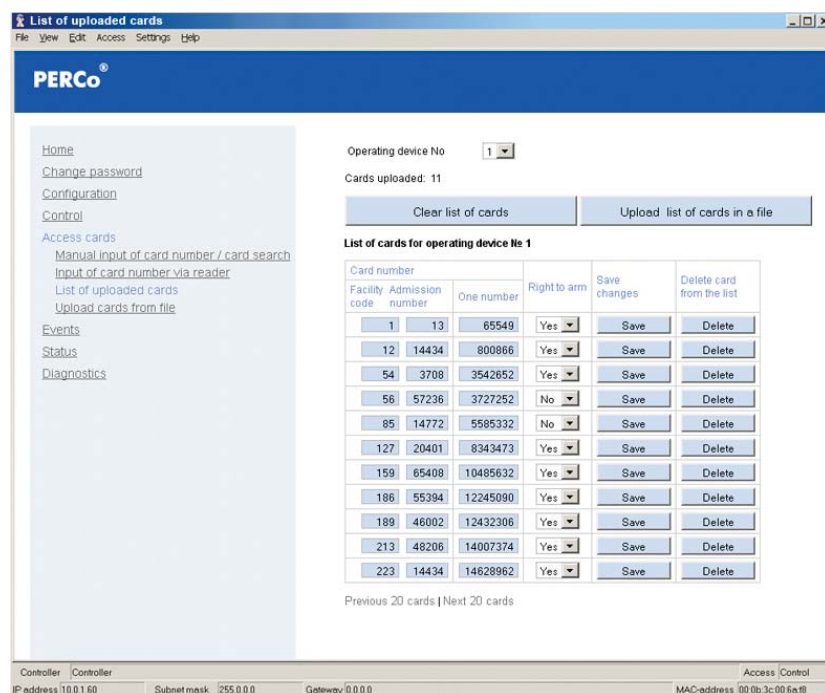
Sample screenshot of video identification

## Web-interface

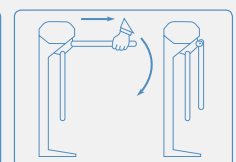
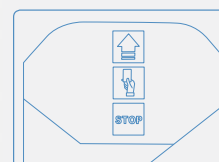
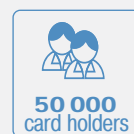
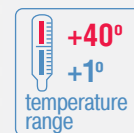
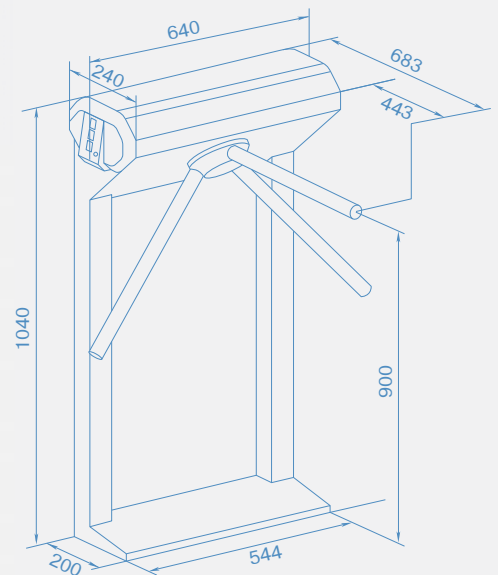
Web-interface allows for operation of the IP-Stiles remotely without installation of any software. For an access to the web-based interface of a controller, the IP-address of the controller should be input in an URL bar of a browser. Access is protected with a password.

Using the web-based interface enables you to:

- run a test and do settings of all controllers;
- view the event log of a selected controller, track number of passed cards as well as time of passes;
- load, view and revise lists of cards.



Screenshot of web-interface



## Application

The KT-02 IP-Stile system is a turnkey solution to provide effective and secure access control at the rate of 30 persons per min.

Initial installation of the KT-02 IP-Stile is easy and fast: fix the turnstile to the floor with anchor bolts and connect it to a 12V power supply and the Ethernet network.

## System package

The standard delivery set includes:

- turnstile with built-in access controller and two proximity card readers
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)
- SL-01 single-user software

For optimum control of pedestrian flow, the KT-02 IP-Stile can be supplied with matching railings.

## Materials and Finishes

Turnstile housing – powder coated steel. Sandpaper powder coating with pearl mica effect:



dark grey

Top cover, barrier arms – stainless steel.

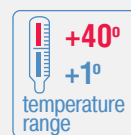


Stainless steel



Card reader, built-in

## IC-03 CARD CAPTURE READER



+40°  
+1°  
temperature  
range



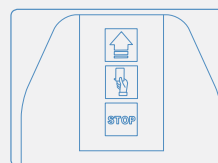
12V DC  
power supply



EMM/HID



Wiegand



Indication display  
with pictograms

### Application

Operating together with a controller and an operating device (turnstile, wicket gate etc.) the IC-03 card capture reader is used to capture and store guest cards, when visitors are required to return the card upon leaving the facility.

After capturing a guest card the card capture reader sends a signal to an operating device which unblocks allowing the visitor to pass. The IC-03 also supports reading of personnel cards without capturing.

### Design

The card capture reader has a compact design and is very easy for service. The card container capacity is 450 cards.

Card reading distance:

EMM cards – 8 cm.

HID cards – 6 cm.

### Materials and Finishes

Housing – stainless steel.



Stainless steel

Top cover: ABS-plastic.

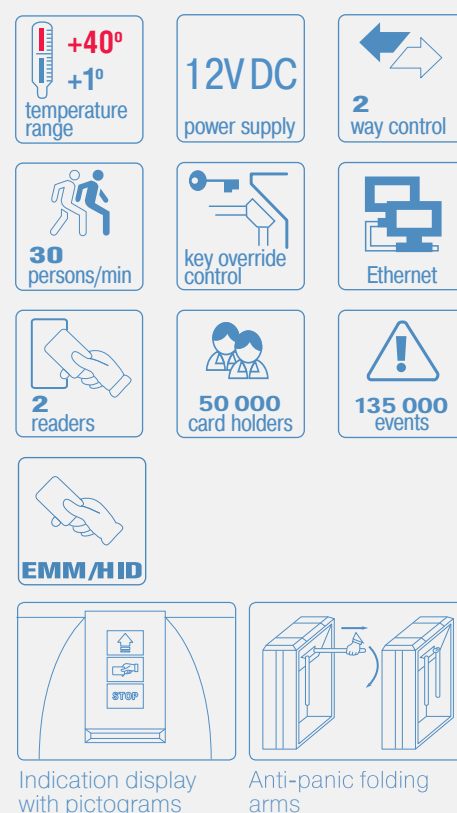
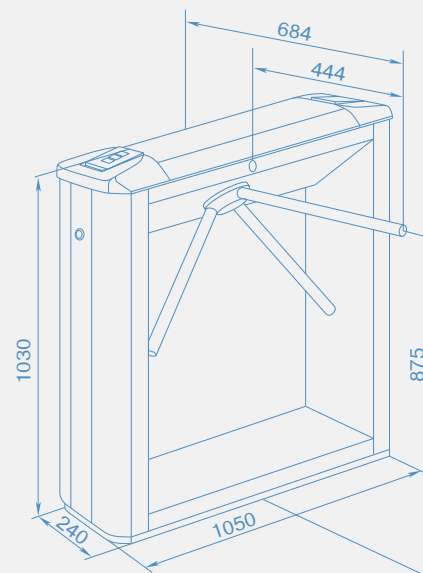


Capturing guest  
cards



Reading personnel  
cards

## KT-05 IP-STILE



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### Application

The KT-05 IP-Stile is a turnkey hardware + software solution to provide effective and secure access control.

### Delivery set

- turnstile with built-in controller and two proximity card readers
- remote control panel
- standard/anti-panic barrier arms (the type is chosen by a Client at the time of order)
- SL-01 single-user software

### Design

With all the electronics, including card readers and a controller, built-in, supplied with free single-user software the KT-05 IP-Stile is a complete one-stop solution for your entrance point. Smart design in stainless steel will be ideal for banks, office buildings, financial and educational insitutions.

### Materials and Finishes

Turnstile housing/barrier arms – stainless steel.

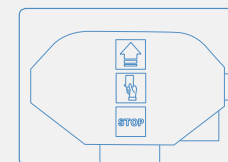
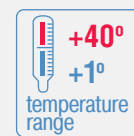
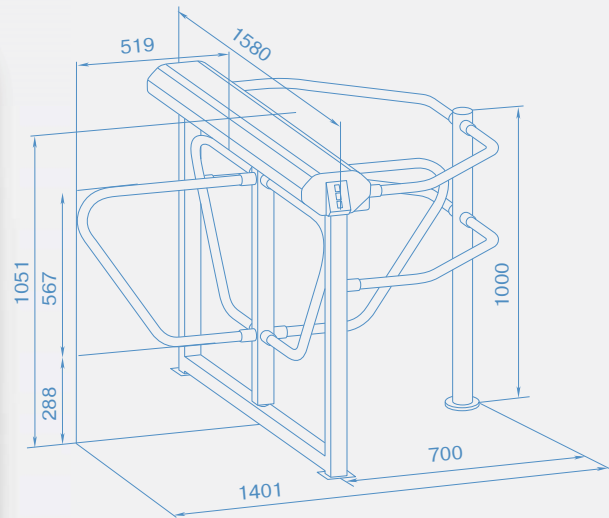


Stainless steel



Card reader, built-in

## KR-05 IP-STILE



Indication display  
with pictograms

### Application

The KR-05 IP-Stile provides a budget solution based on a traditional rotor turnstile to control pedestrian flow at the entrances of production facilities, offices and educational institutions.

### Delivery set

- rotor turnstile with four barrier wings, built-in access controller and two proximity card readers
- guide barrier set
- remote control panel
- SL-01 single-user software

### Design

Entering and exiting employees present their access cards to built-in turnstile readers for validation. While the large barrier wings provide comfort of passage, the simple design makes the price attractive.

### Materials and Finishes

Turnstile housing – powder coated steel.  
Sandpaper powder coating with pearl mica effect:



dark grey

Top housing cover and barrier wings – stainless steel.



Stainless steel



Card reader, built-in



KT-02 IP-Stiles with BH rotary section, Omsk State University, Omsk, Russia



KT-02 IP-Stile with BH rotary section, school № 305, St. Petersburg, Russia

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KT-02 IP-Stiles, Samalaju Lodge Enterprise, Bintulu, Sarawak, Malaysia



KT-05 IP-Stiles with BH railings and BH rotary sections, University MITHT named after Lomonosov, Moscow, Russia



KT-02 IP-Stile with BH railings and IC-03 card capture reader, Stroy Corporation, St. Petersburg, Russia



KT-02 IP-Stile with BH railings, Senator business centre, St. Petersburg, Russia



KT-02 IP-Stile with BH rotary section, OhtaHouse business centre, St. Petersburg, Russia



KT-02 IP-Stiles with BH railings, school № 9, Vladivostok, Russia



KT-02 IP-Stiles, Palace of Water Sports, Belarus



KT-02 IP-Stiles with BH railings, Baranovichi plant, Belarus



KT-05 IP-Stile with BH rotary section, Federal House, St. Petersburg, Russia



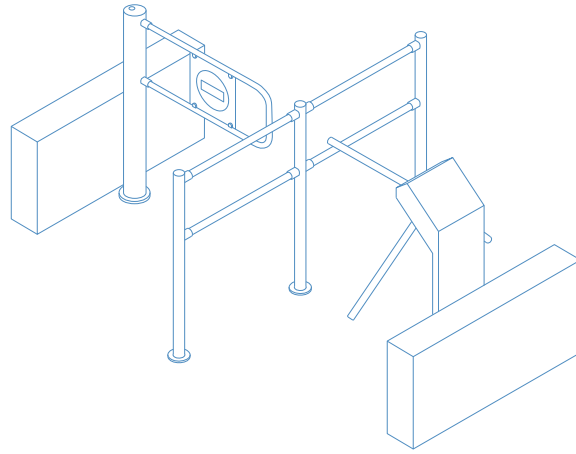
KT-02 IP-Stile with BH railings and BH rotary sections, Lentelefonstroy, St. Petersburg, Russia

PERCo <sup>®</sup>		Passage way width, mm	Turnstiles												IP-Stiles**		
			Tripod				Box tripod				Wicket gates		Rotor				
			TTR-04.1	TTR-04CW-24	TTR-07	T-5	TTD-03.2	TTD-03.1	TB-01	TBC-01	WHD-04	WMD-05S	RTD-03S	RTD-15.1R			RTD-15.2R
Barrier arms & swing panels	AS-05	500				✓											
	AS-04	600	✓	✓		✓											
	AA-04 anti-panic	600	✓			✓											
	AS-01	500					✓	✓	✓	✓						✓	✓
	AA-01 anti-panic	500					✓	✓	✓	✓						✓	✓
	AAA-07 automatic anti-panic folding arms	500			✓												
	WHD swing panel	750								✓							
	AG-650	700									✓						
	AG-900	950									✓						
	AG-1100	1150									✓						
Finishes & colors	Housing	R color (light beige)*	✓	✓							✓			✓	✓		
		G color (dark grey)*	✓		✓		✓	✓			✓					✓	
		E color (black glitter with lacque)*	✓					✓			✓						
		Light grey*				✓											
	Top cover	Stainless steel					✓	✓	✓	✓		✓	✓				✓
		Black						✓									
		Blue						✓									
		Stainless steel					✓		✓	✓						✓	✓
Features	Readers (built-in)								✓	✓						✓	✓
	Card capture reader (built-in)									✓							
	Controller (built-in)															✓	✓
	SoftWare (free)															✓	✓
	WEB-interface															✓	✓
Appli- cation	Indoor		✓		✓	✓	✓	✓			✓	✓	✓			✓	✓
	Outdoor			✓										✓	✓		
Drive	Motorized											✓	✓	✓			
	Electromechanical		✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓
Operation mode	Fail-safe (NO)				✓						✓						
	Fail-secure (NC)		✓	✓		✓	✓	✓	✓		✓	✓	✓	✓		✓	✓

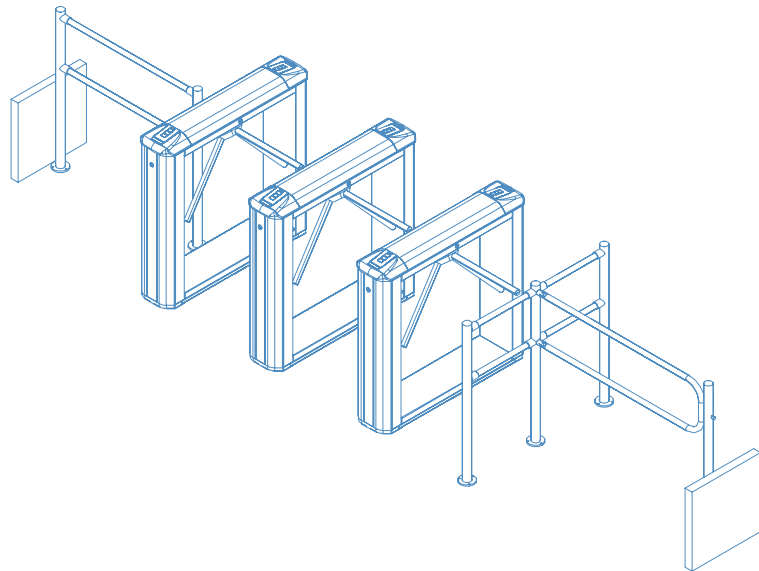
\* Up-to-date powder coating technology (USA) and surface preparation line (Germany).

\*\* IP-Stile - complete access control system.

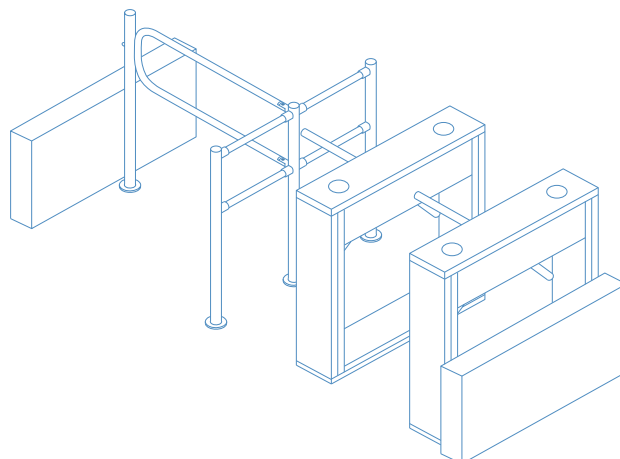
## Entrance designs



A compact tripod turnstile, a wicket gate and railings

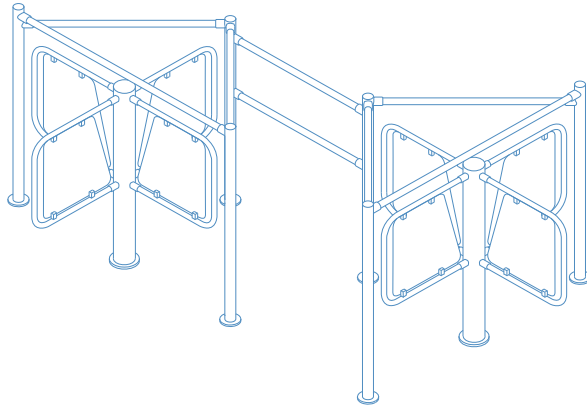


IP-Stiles with railings and a rotary section

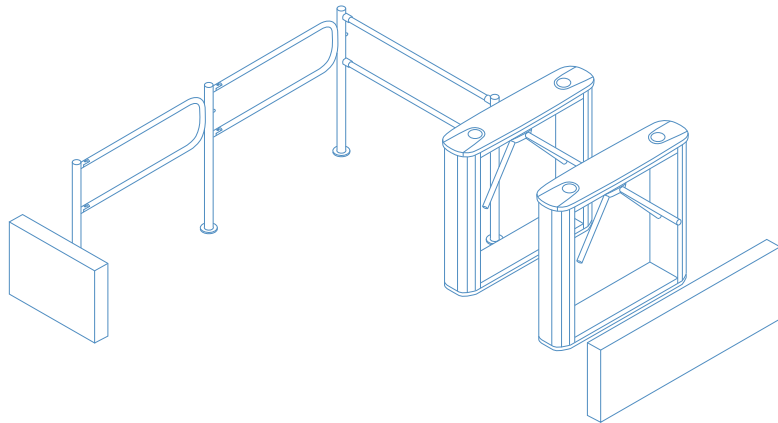


Box tripod turnstiles with railings and a rotary section

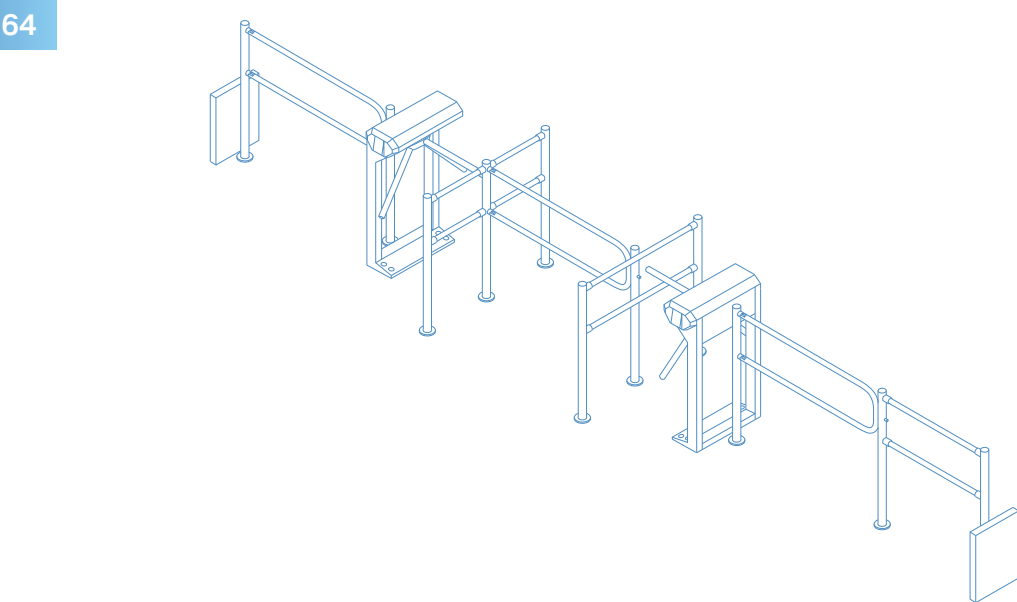
## Entrance designs



Rotor turnstiles with steel handrails and railings

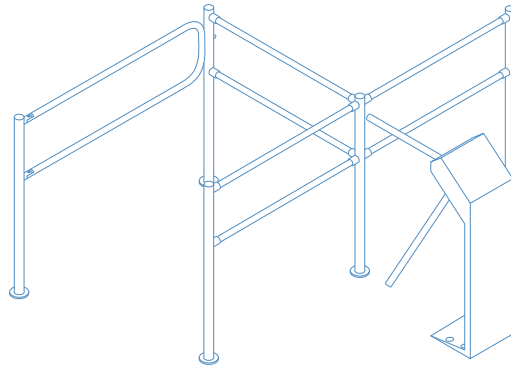


Box tripod turnstiles with rotary sections and railings

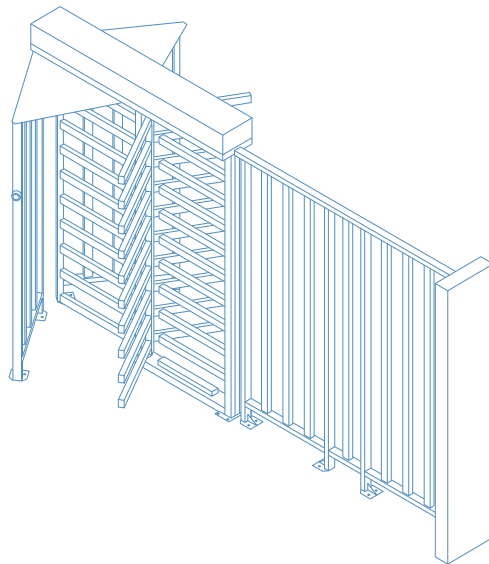


IP-Stiles with railings and rotary sections

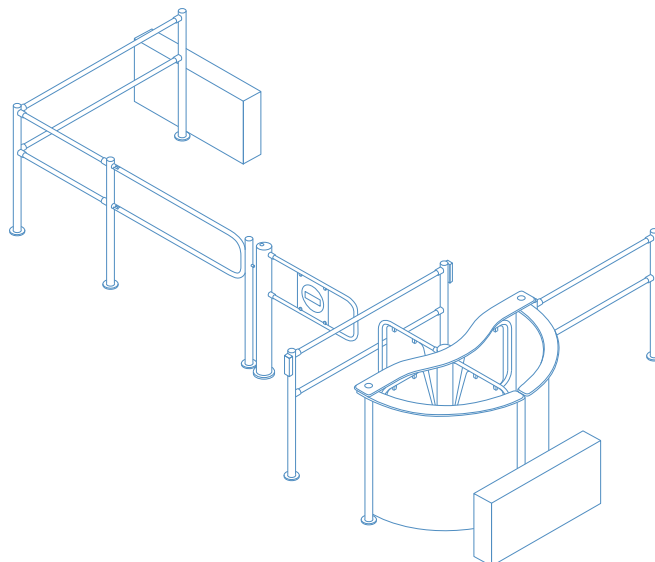
## Entrance designs



A tripod turnstile with railings and a rotary section



A full height rotor turnstile with a gate and full height railings



A rotor turnstile with railings, a rotary section and a wicket gate



LC-72 electromechanical lock

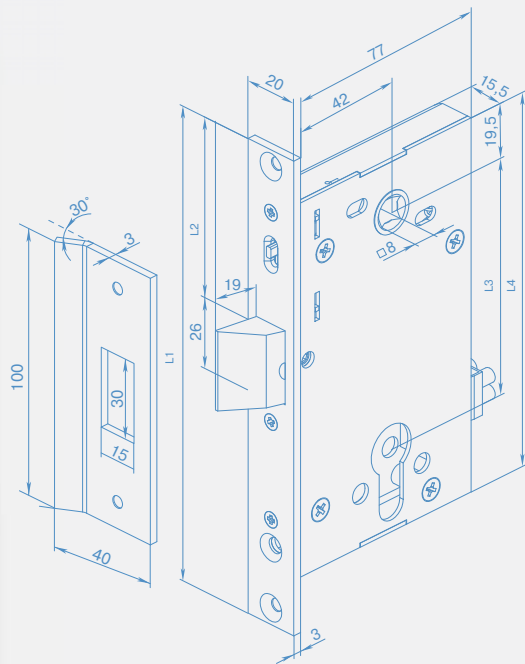


LC-85 electromechanical lock

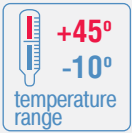
# Electromechanical locks



# ELECTROMECHANICAL LOCKS



Legend	LC-72	LC-85
L1	150 mm	170 mm
L2	58,8 mm	62,3 mm
L3	72 mm	85 mm
L4	121 mm	134 mm



## Application

PERCo locks of LC series are electromechanical mortise door locks designed for use in an access control system (ACS) to control light and medium office doors. The locks are used in wooden and steel doors 38-77 mm thick (installation in other types of doors is related to capability to fit mortise pocket).

## Delivery set

- electromechanical mortise lock
- strike plate
- screw 4x30
- installation template.

## Materials and Finishes



Stainless steel

## Design

Key features of the LC series locks:

- mechanical unlocking with a key
- operates in a day-time and a night-time modes (further bolt throw)
- low power consumption
- can be used with right-hand and left-hand doors
- with a standard centre-to-centre hole spacing between lever and the cylinder (72 mm, 85 mm) the LC locks can be put in place of mechanical locks without replacing or reconstructing the door
- the locks are compatible with standard levers, handles, lock cylinders and escutcheon plates
- all elements of the lock case, including lock bolt have corrosion-resistance coating
- the locks are resistant to self-opening, for instance as the result of a hard kick on the door
- the LC locks do not require any service during life-time.

In day-time locking mode the bolt throw is 11 mm, and it is 19 mm in night-time locking mode. In order to change day-time mode to night-time mode, while the door is open move up the day/night mode switch on the forend as far as it goes.

Opening of the lock in night-time mode is similar to the one in day-time mode. The lock will automatically return to day-time mode after that.

Model	Control mode	Centre-to-centre-spacing
LC-72.3	Opens when energized (NC)	72 mm
LC-72.4	Opens when de-energized (NO)	72 mm
LC-85.3	Opens when energized (NC)	85 mm
LC-85.4	Opens when de-energized (NO)	85 mm



Day-time locking



Night-time locking



Day/night mode switch

The locks are operated in potential control mode. The fail-secure (NC) lock opens at energizing, while the fail-safe (NO) lock opens at de-energizing. For regular operation an ACS controller, controlling the lock, should have possibility of connecting reed switch to it.

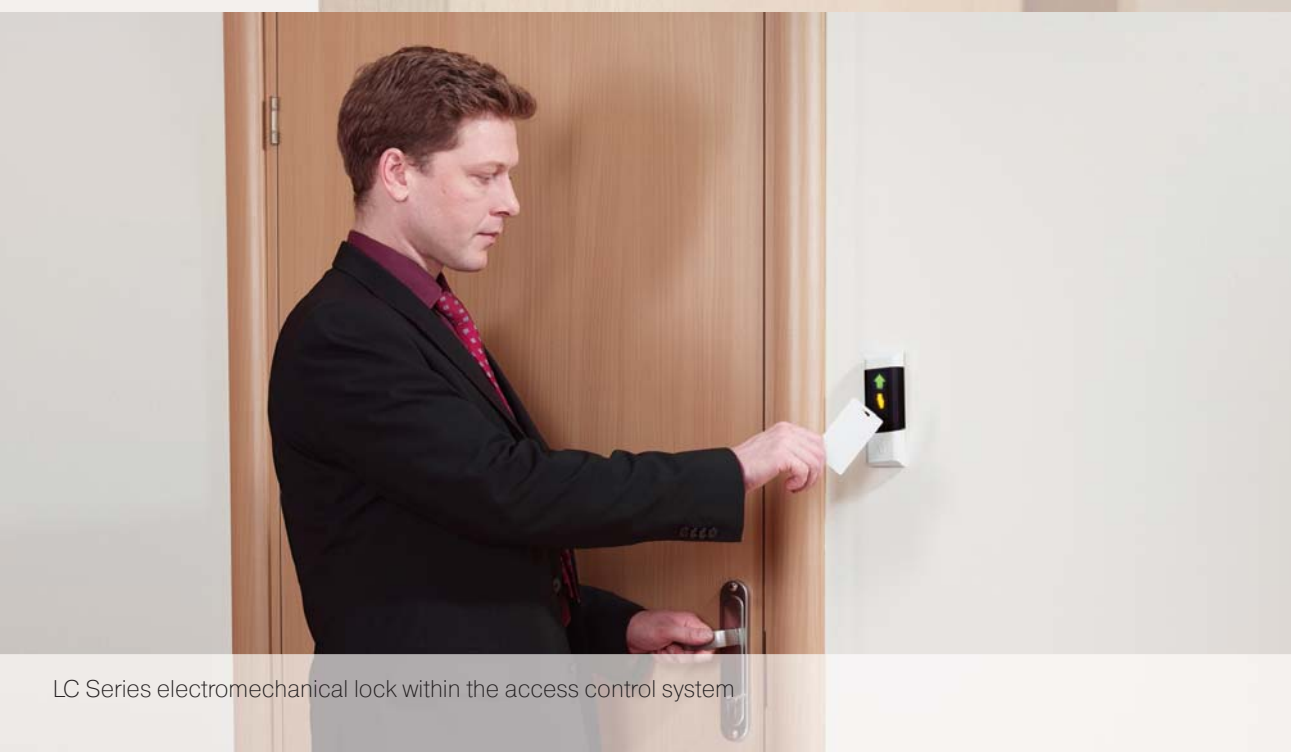
To open the lock an ACS controller should energize/de-energize the lock and keep it energized/de-energized till the moment the door opens (this is possible either by signal from a reed switch or by signal of certain duration).

The lock opens by turning the lever after the locking device is released. Before the locking device is released the lever is blocked from turning.

You just need to shut the door to lock it.



LC Series electromechanical lock on the office door



LC Series electromechanical lock within the access control system



LC Series electromechanical lock on the office door



LC Series electromechanical lock on the office door



LC Series electromechanical lock within the access control system



LC Series electromechanical lock on the office door



PERCo manufacturing plant



CNC machining centres

## About PERCo

PERCo expertise in serial manufacture of access control systems and turnstiles is more than 25 years now. PERCo products have proven the high quality of the brand at thousands installations worldwide. PERCo today:

- sales geography - 75 countries
- over 15 000 sq.m. of production facilities
- over 500 skillful specialists
- stock warehouses in Russia (Moscow, St. Petersburg, Pskov) and the EU (Tallinn)

## Quality

PERCo has invested a great deal in state of the art facilities and innovative technologies to ensure the successful development, manufacture and distribution of a wide range of products capable to win in the highly competitive global security market.



Sheet-metal working shop



Powder coating line

PERCo boasts state-of-the-art manufacturing facilities equipped with sophisticated high-tech machinery including CNC turret punch presses by Amada, Japan and Trumpf, Germany; CNC bending presses by Amada, Japan; universal turning centres and milling machines by Knuth, Germany; grinding machines by Loser, Germany; pipe bending machines by Erkolina, Italy; SMT soldering station by Yamaha Motor Group, Japan; powder coating systems by ITW Gema, USA.

The multilevel quality management system ensures thorough control through all the production stages and pre-sales service. All PERCo products are certified for compliance with applicable European CE standards.



A finished-goods warehouse



Shipping

## Reliability

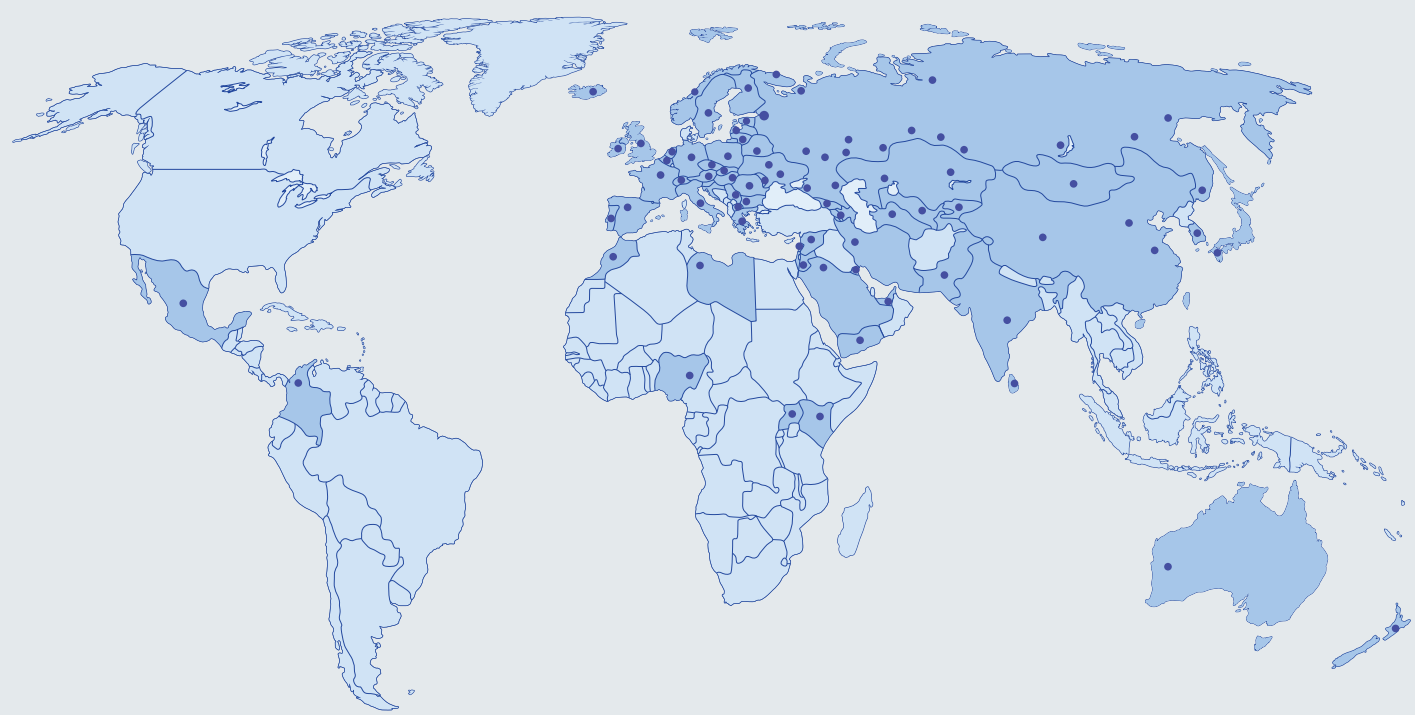
PERCo is very particular about effective performance of its products:

- true to its customer-oriented philosophy, PERCo always honours its warranty and post-warranty obligations throughout the product life time
- Technical Support Department provides the customer with after-sales service, warranty repair and comprehensive technical advice
- 28 certified service centres provide PERCo business partners including installing companies with service assistance for efficient end-user support

PERCo training centre conducts regular introductory seminars and workshops on access control systems for both installing and end-user companies. The training centre is equipped with PCs and stands with working products for real hands-on training.

# SALES GEOGRAPHY

PERCo products have proven the high quality of the brand at thousands installations worldwide.  
Today PERCo exports its products to 75 countries.



Armenia	(Hong Kong)	India	Libya	Poland	Switzerland
Australia	Colombia	Iran	Lithuania	Portugal	Tajikistan
Austria	Croatia	Ireland	Macedonia	Rumania	Thailand
Azerbaijan	Czech Republic	Israel	Malta	Russia	Tunisia
Bahrain	Estonia	Italy	Mexico	Saudi Arabia	Turkmenia
Bangladesh	Finland	Japan	Moldova	Serbia	UAE
Belarus	France	Jordan	Mongolia	Singapore	Uganda
Belgium	Georgia	Kazakhstan	Morocco	Slovakia	Ukraine
Bosnia and Herzegovina	Germany	Kenya	Netherlands	Slovenia	Uzbekistan
Bulgaria	Great Britain	Kuwait	New Zealand	South Korea	Vietnam
Cameroon	Greece	Kyrgyzstan	Nigeria	Spain	Yemen
China	Hungary	Latvia	Norway	Sri Lanka	
(Taiwan)	Iceland	Lebanon	Pakistan	Sweden	



[www.percoweb.com](http://www.percoweb.com)