



SPEED GATES | TURNSTILES |
ROAD BLOCKERS |
BOLLARDS | GATE BARRIERS

SECURITY IN DATA CENTRES

Security is not optional in data centres — it is the foundation of uninterrupted operations. Reliable speed gates and road blockers are essential to ensuring true security in data centres.



TURNSTILES AND SPEED GATES FOR DATA CENTRES



Turnstiles for data centres are an important tool for ensuring physical protection and security. They help control access to critical areas and protect valuable information resources. Here are several key reasons why turnstiles are essential for access control in data centres:



Prevention of unauthorised access

Turnstiles for data centres create a physical barrier that makes it difficult or completely prevents unauthorised access. This helps ensure physical protection and reduces the risk of security threats.



Enhanced perimeter security

Installing turnstiles at the entrance of a data centre strengthens physical protection and ensures perimeter security against unauthorised access.



Auditing and monitoring

Turnstiles enable integration with access control systems that track visits and entries. This is important for physical security and helps identify potential incidents.



Access control in data centres:

Turnstiles provide reliable access control to critical zones within a data centre. They allow management of who has permission to enter the premises, using access cards, biometric data, or other identification methods.

KEY ASPECTS OF TURNSTILE INSTALLATION IN DATA CENTRES

✓ Turnstile placement

The choice of location for installing turnstiles should align with the layout of the premises and physical security requirements.

✓ Turnstile type

Different types of turnstiles are suitable for different situations. The choice of type depends on the security specifications and visit volumes.

✓ Technical maintenance

Regular maintenance and inspection of turnstiles are necessary to maintain their effectiveness.

✓ Risk assessment

Regular risk assessments and adjustments to the physical security system help maintain a high level of protection in the data centre.



OUR SOLUTIONS: ACCESS CONTROL

SESAME-A

A one lane type of full height turnstile gate. It ensures vandal proof security level to a large variety of possible applications: stadiums, factories, parks, premises with highest security requirements etc. Strength and durability is granted by robust fully welded design.



HIGHWAY-G

It perfectly combines modern aesthetics and functionality. High leaves exclude the possibility of unauthorized passage, but also prevent transfer of anything above the turnstile, and provide high visibility of pedestrian progress.



XGATE-TS

It is an advanced automatic swing gate equipped with innovative BMDrive® servo-drive (BLDC) motors. XGate-TS can rotate both clockwise and counter-clockwise by 90°, making them versatile and adaptable to a variety of applications.



SWEEPER-SH

The Sweeper-S-HG turnstile model with full-height swing leaves guarantees a high level of security and a long service life. High leaves not only exclude the possibility of unauthorized passage, but also prevent transfer of anything above the turnstile, as well as over jumping it.



SWEEPER-HG

Tall version of speed gates model intended for applications where a higher degree of security is required. High swing glass leaves available up to 1800 mm from the floor. It helps to avoid transfer of anything above the turnstile, as well as overjumping it.



ONYX-S

Ergonomic design with stylish body lines is the defining feature of this turnstile. 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.



SWEEPER

Perfectly combines contemporary aesthetics with functionality. The glass top and side panels create a sense of transparency and lightness, making this turnstile ideal even for the most demanding projects.



TWIX-M TWIN

A robust and reliable model of the tripod turnstile series. Space saving, cost reducing and installation simplification are the main benefits to be outlined. Twix M Twin turnstile has new mechanism Triservo-M. These security barriers will efficiently control the entrance even in intensive pedestrian flow mode, making it suitable for heavily used sites.



ROAD BLOCKERS AND BOLLARDS FOR DATA CENTRES

Road blockers and bollards for data centers are critical components of a multi-layered security strategy, serving as the first line of defense against vehicle-borne threats. They provide robust protection for the facility's perimeter and sensitive entrance points. Here are several key reasons why TiSO road blockers and bollards are essential for data center security:

✓ Reliable Vehicle Access Control

Road blockers and bollards provide precise control over vehicle entry and exit points at the data center's perimeter. They allow security teams to manage authorized vehicle access—such as maintenance crews or delivery services.

✓ Enhanced Perimeter Fortification

Installing bollards and road blockers at main gates and loading bays creates a secure boundary that prevents unauthorized proximity to the data center. This «stand-off» distance is important for mitigating risks and ensuring that the facility remains isolated from external physical threats.



✓ High-Impact Anti-Ram Protection

TiSO blocking systems are engineered to withstand significant kinetic energy. In the event of an attempted forced entry or a vehicle-borne attack, these devices act as a formidable physical barrier, stopping unauthorized vehicles and protecting the building's structural integrity and critical infrastructure.

✓ Synergy with Pedestrian Access Control

TiSO products enable a powerful synergy between vehicle and pedestrian security. After a vehicle enters the facility grounds through road blockers or bollards, individuals must proceed through a turnstile or speed gate for further verification. This combined workflow creates a multi-layered security space, ensuring that access to critical data center zones is double-checked and highly protected.

KEY ASPECTS OF ROAD BLOCKER AND BOLLARD INSTALLATION IN DATA CENTRES



Strategic placement

The installation site for road blockers and bollards should be strategically chosen to secure the perimeter and control all vehicle access points according to the facility's layout.



Preventive maintenance

Routine technical inspections are important to ensure the flawless operation of the blocking systems.



Equipment type

Selecting between heavy-duty blockers or bollards depends on the required security level and the expected volume of vehicle traffic.



Risk assessment

Continual assessment of physical threats allows for timely adjustments to the blocking infrastructure, ensuring a high and consistent level of data center protection.

OUR SOLUTIONS: PERIMETER PROTECTION AND CONTROL

PAS68/IWA14-1 ULTRA SHALLOW ROAD BLOCKER (RB 33X-01)

PAS68 / IWA14-1 (7.5t@80km/h) Ultra Shallow road blockers are designed for perimeter protection. This road blocker can stop a 7,500 kg (7.5t) truck travelling at 80 km/h.



MOBILE MECHANICAL ROAD BLOCKER (RB 319-25-M)

The RB319-25-M mechanical blocker is designed to restrict access and reduce vehicle speed within a secured area.



BOOM BARRIERS (OPTIMUS-50 BM)

The Optimus-50 BM automatic barrier with a 24V BMDrive® mechanism is a reliable and efficient solution for access control in private, commercial, and industrial areas.



HIGH SECURITY BOLLARDS (273-09-S)

The TiSO 273-09S fixed bollards are an extremely robust and reliable solution for perimeter protection, with an installation depth of less than 50 cm. Their advantage lies in their mobility, allowing free access to the area when required.

HIGH SECURITY FIXED/REMOVABLE BOLLARDS (RB 343-68)



The M50 fixed/removable bollards provide the most cost-effective solution to prevent unauthorised vehicle access. TiSO M50 anti-ram bollards comply with anti-terrorism security requirements.

M50 HIGH SECURITY AUTOMATIC BOLLARD (RB 342)

These high-security bollards provide top-tier antiterrorism protection. They operate via external hydraulic/PLC systems and offer seamless integration with ACS and other access control equipment.



HIGH SECURITY MOBILE SPEEDBUMPS (RB 358-0X)

Anti-ram mobile (removable) Speedbump series road blockers. These devices provide reliable perimeter protection and secure entrances against accidental or deliberate vehicle impact.



ADVANTAGES OF TISO SPEED GATES AND ROAD BLOCKERS FOR DATA CENTRES



Flexibility in settings

TiSO offers customisation options for turnstiles to meet the specific needs of data centres. This includes setting operating modes, access schedules, and integration with other security systems, ensuring maximum efficiency and adaptability of the security system.



Reliability and durability

The design of TiSO turnstiles is developed to meet high security standards. The use of quality materials and advanced production technologies guarantees a long service life, even under intensive use. This is particularly important for data centres, where continuous access control is critical.



Integration with modern systems

TiSO turnstiles easily integrate with existing access control systems, such as card-based identification systems, biometric systems, RFID solutions, and many others. This ensures smooth operation and simplifies access administration, automating many processes.



High security level

TiSO turnstiles provide a high level of protection, making unauthorised access difficult and preventing entry without proper permissions. Depending on the model, you can configure different access levels for various user categories, which is an important aspect for data centres.



Certification and quality

TiSO turnstiles are certified according to international quality standards such as ISO 9001. This certification confirms that the products are manufactured in compliance with the highest quality standards at all stages of production, from design to final testing. For data centres, this means that turnstiles provide reliable and durable operation, even in high-usage conditions.



Aesthetic design and functionality

TiSO offers a variety of turnstile and speed gates models that not only effectively perform their functions but also integrate seamlessly into any interior. This is especially important for data centres, where maintaining a professional appearance is essential without compromising security.



Ease of maintenance and operation

TiSO turnstiles are designed for easy maintenance and operation. Technical servicing and repairs are carried out quickly and efficiently, ensuring continuous operation of the access control system in the data centre.

GALLERY OF INSTALLATIONS



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