



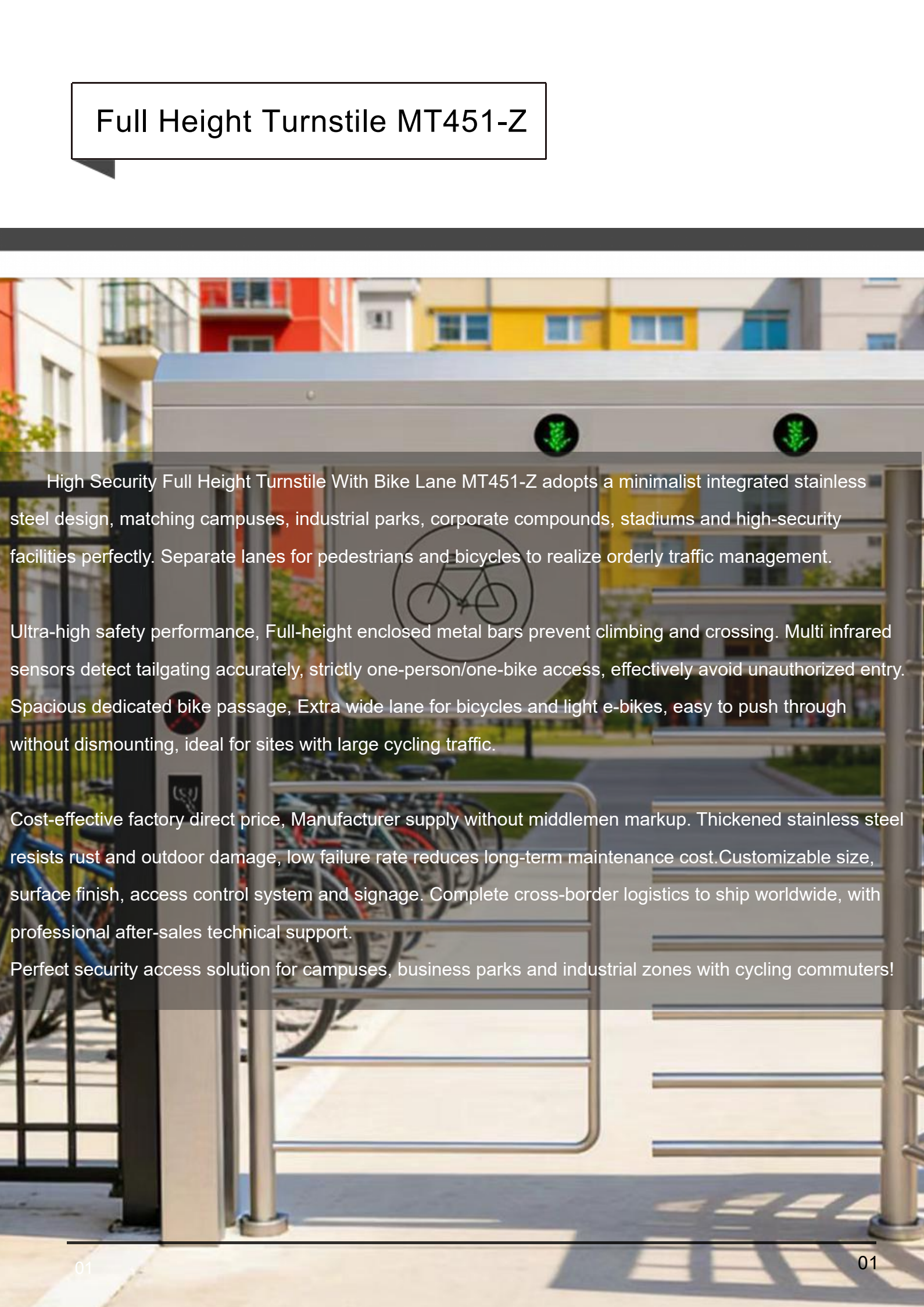
Full Height Turnstile MT451-Z Brochure

Designed By MairsTurnstile

www.mairsturnstile.com



Full Height Turnstile MT451-Z

A full-height turnstile with a dedicated bicycle lane. The turnstile has a stainless steel frame and a central panel with a bicycle icon. Two green arrows point upwards from the top of the turnstile. The background shows a modern building with colorful windows.

High Security Full Height Turnstile With Bike Lane MT451-Z adopts a minimalist integrated stainless steel design, matching campuses, industrial parks, corporate compounds, stadiums and high-security facilities perfectly. Separate lanes for pedestrians and bicycles to realize orderly traffic management.

Ultra-high safety performance, Full-height enclosed metal bars prevent climbing and crossing. Multi infrared sensors detect tailgating accurately, strictly one-person/one-bike access, effectively avoid unauthorized entry. Spacious dedicated bike passage, Extra wide lane for bicycles and light e-bikes, easy to push through without dismounting, ideal for sites with large cycling traffic.

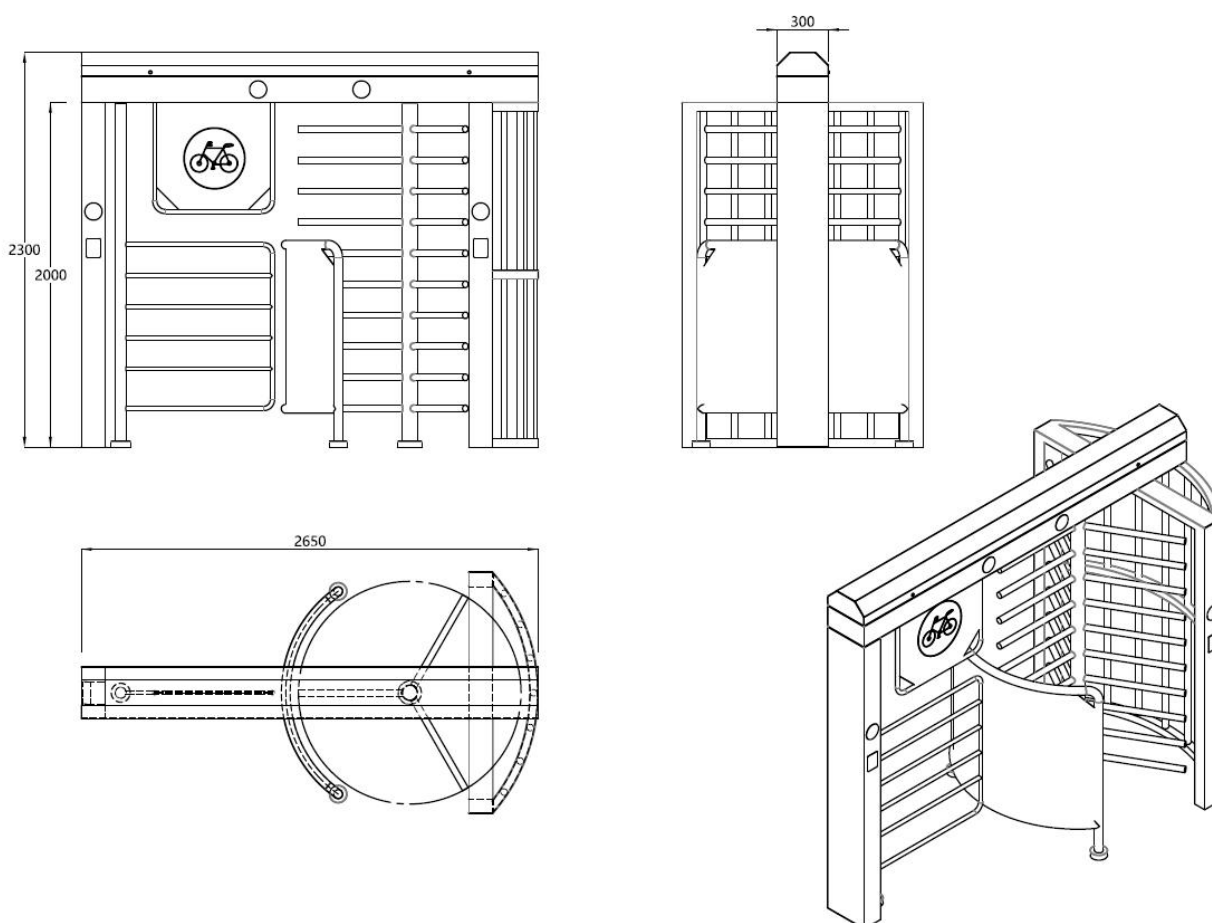
Cost-effective factory direct price, Manufacturer supply without middlemen markup. Thickened stainless steel resists rust and outdoor damage, low failure rate reduces long-term maintenance cost. Customizable size, surface finish, access control system and signage. Complete cross-border logistics to ship worldwide, with professional after-sales technical support.

Perfect security access solution for campuses, business parks and industrial zones with cycling commuters!

Technical Specifications

Dimension	2650*1400*2300mm (8.69*4.59*7.58ft) (standard)
Passage Width	650mm (2.13ft) (standard)
Passage Height	2000mm (63.56ft) (standard)
Frame Material	304 stainless steel (standard), 316 stainless steel, Powder coated
Power Supply	100V-240V 50/60Hz
Drive Solenoid	DC 24V
Open Signal	Passive Relay (Dry Contact)
Communication	RS485
Working Direction	Bi-directional(standard), Unidirectional
Fire/Emergency	Free to exit
Working Temperature	-30°C ~ 80°C
Working Environment	Indoor and Outdoor
Relative Humidity	95% Maximum

Dimensions



Features

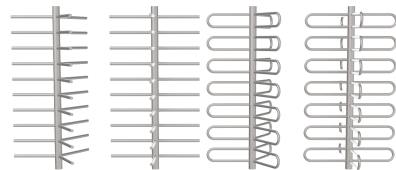


- The mechanism comes with mechanical anti-passback function.
- Equipped with a hydraulic shock absorber for less noise during operation.
- X rotor mechanism: If rotor revolves to the angle 45° and it is blocked from reverse rotation.
- The full turnstile will lock after 5 seconds if there is open signal but no one pass. (The time can be adjusted in the control board)
- Automatic opening after emergency fire signal input.
- Normal open can be also controlled via control board or manual.
- Full turnstiles will automatically open when power failure.
- Controller with a display, more convenient to set parameters.

Customization

- Dimension: Can be made according to the client's site.
- Barrier rod: Straight barrier rod to U-shape barrier rod; X rotor to Y rotor (some models).
- Roof and lights can be added.
- Mounting base can be added.
- Cutouts can be customized to fit any reader.
- LOGO can be customized.
- Customized 3D drawings are available based on the site photos.
- OEM& ODM service is available.
- Material: 304 stainless steel to 316 stainless steel (wet environment), or iron with powder coated. The outer paint finish can be colour coded to match the local environment.

We also offer customization services.



Various barrier rods are available.



Other colors available, RAL or RGB required.

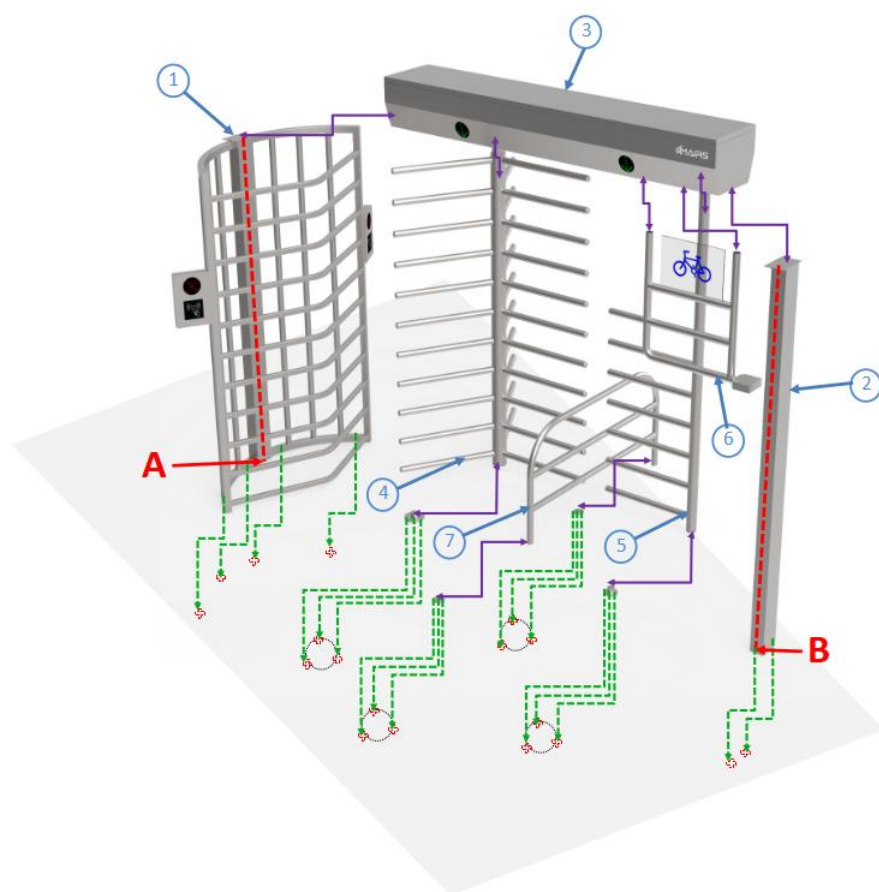


With roof



With mounting base

Disassembly

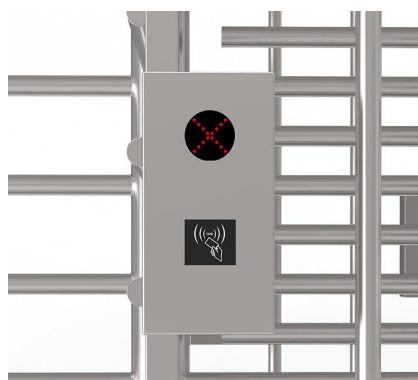


Label description

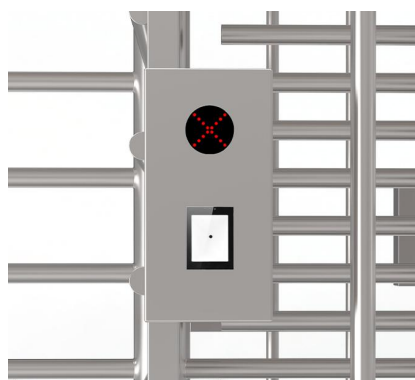
- The power cable and LAN can go to the gate from A or B per your project requirement
- Fixing hole location
- Expansion screw
- Assemble sequence number

Access Control System

Our gates come with relay signals and RS485/RS232 interfaces. You can use your own access control system, or we can provide a complete access control system to you.



Card Reader



QR Code



Biometric



Face



Remote Control



QR Code



Card Reader



Button



Fingerprint



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