

TBT 4145 Single-Lane 4-Arm Full-Height Turnstile



Main Features



Bidirectional
Access



Hydraulic
Damping



Emergency
Free Passage



Indoor /
Outdoor



Access Control
Compatible



4-Arm
Full-Height Rotor



90° Controlled
Passage



Anti-Backtracking



IP54
Protection

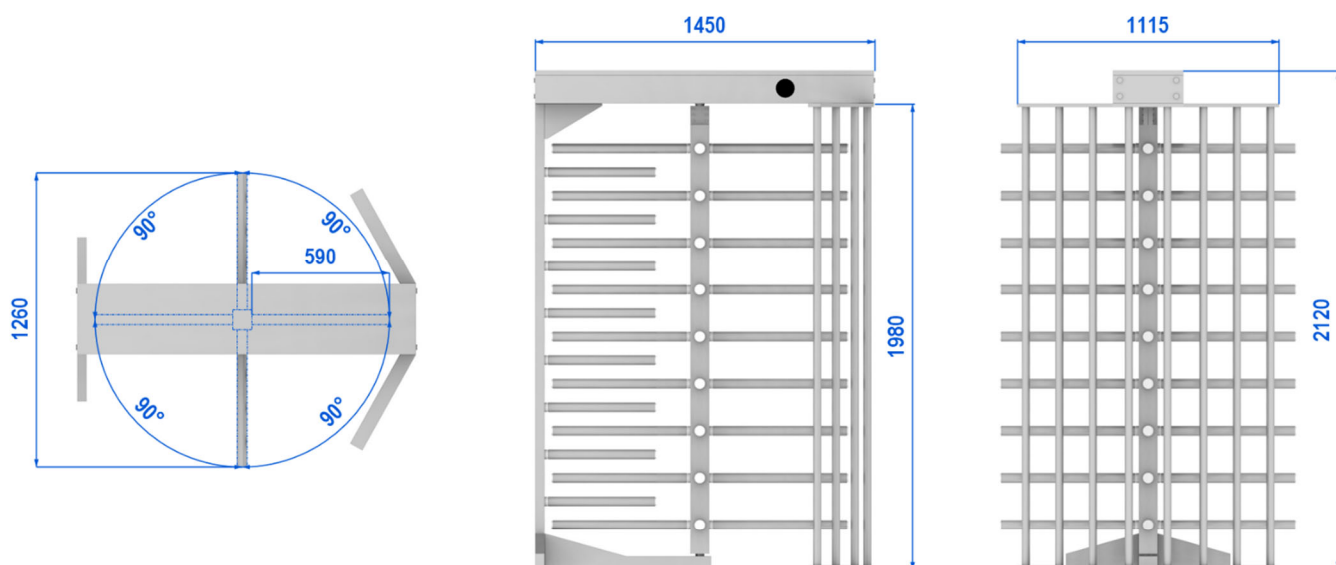


High Throughput
Up to 30 persons/min

Key Advantages

- Single-lane 4-arm full-height access control
- Designed for intensive pedestrian traffic
- Robust, impact-resistant construction
- Smooth and quiet hydraulic damping
- Bearing-supported mechanism with approx. 60% reduction in mechanical friction
- Approx. 70% longer service life
- 90° controlled passage with anti-backtracking
- Compatible with access control systems
- Suitable for indoor and outdoor installations

Dimensions



Overall Width	Overall Depth	Overall Height	Passage Width	Passage Height	Rotation Envelope
1450 mm	1115 mm	2120 mm	630–660 mm	1980 mm	1260 mm

Standard Features

Power Supply	220 VAC, 50/60 Hz (Optional: 110 VAC)
Power Consumption	10-25 W
Operating Temperature	-20°C to +50°C
Throughput	Up to 30 persons/min
Protection Class	IP54
Construction Options	Powder-coated steel / AISI 304 stainless steel / mixed construction: stainless steel rotor with remaining structural components powder-coated
Operation	Bidirectional electromechanical operation
Rotation Cycle	90° controlled rotation
Anti-Backtracking	Prevents reverse rotation after 30°
Locking System	Solenoid locking at each 90° position
Damping System	Hydraulic shock absorber
LED Indicators	Flush-mounted direction indicators
Emergency Mode	Free passage in both directions upon power failure or activation of the emergency input
Audible Notification	Integrated buzzer
Rotor Mechanism	Bearing-supported mechanism with concealed base bearing
Access Control Interface	Dry contact, 12 VDC, 24 VDC
Control & Emergency Interface	DIP-switch direction control, directional dry contact output, emergency input
Environment	Indoor / Outdoor
Warranty	2 Years

Optional Features

Remote Control	External remote control
Weight Detection Platform	Weight-based passage verification with alarm / PC notification
Advanced PC Control	Centralized control of up to 256 turnstiles
Serial Communication	RS-232 / RS-422 / RS-485 PC communication
External Token Unit	Powder-coated steel or AISI 304 stainless steel floor-mounted unit, approx. 7,000-token capacity
Custom Tokens	Ø25 × 2 mm tokens with optional custom markings
Reader Integration	Card reader or fingerprint reader mounting



TBT 4145 Single-Lane 4-Arm Turnstile – Internal Mechanism

Specifications are subject to change without prior notice.