

TORMAX T5 Series

Automatic Revolving Door Systems



★★★★★
TORMAX



TORMAX T5 Series

Automatic revolving door systems

TORMAX T5 revolving door systems are prestigious building entrances that meet the highest demands in design, functionality and quality. They welcome people with a gently turning motion and ensure safety, convenience and a smooth flow of people at all times.

Revolving doors are draft-free; they are always open and always closed. This airlock principle effectively isolates the indoor atmosphere of the building from the outdoor air even when the doors are in heavy use. Revolving doors are significantly more energy efficient than swing or sliding doors.

Choose a TORMAX T5 revolving door for a durable solution at the leading edge of technology.



TORMAX T5 Series

The complete range of automatic revolving door systems

> TORMAX T5 classic

Full-frame canopy and flexible design

> TORMAX T5 contour

Glass ceiling and slim profiles

> TORMAX T5 infinite

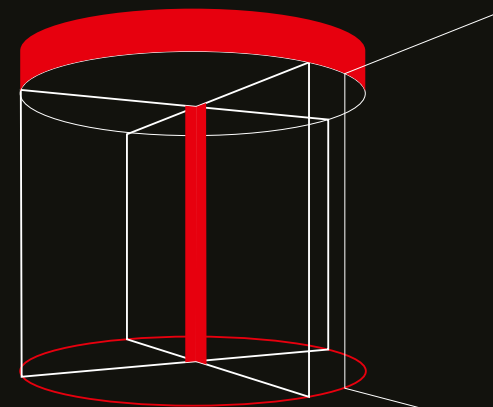
All-glass system, no centre column



TORMAX T5 classic

Full-frame canopy and flexible design

- › Timeless and resilient design even under the most demanding conditions, with a full-frame canopy and concealed overhead drive mounted on a robust, welded construction
- › Multi-purpose 2-wing system with integrated automatic sliding door
- › Strikingly elegant 3-wing and 4-wing systems with extra slim canopy, profiles and centre column
- › Larger 3-wing or 4-wing versions available with showcase around the centre column
- › Diameters from 1.6 to 7.4 m

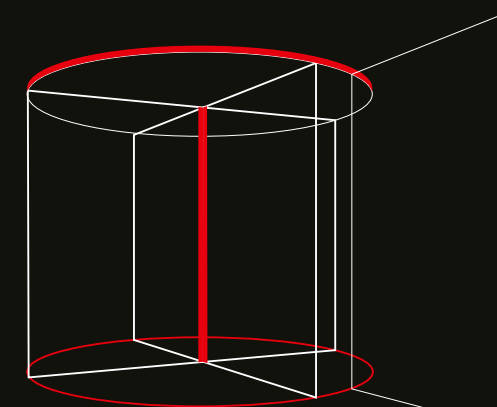




TORMAX T5 contour

Glass ceiling and slim profiles

- › Elegant and robust design with glass ceiling, centre column, in-floor drive and slim, carefully crafted aluminium profiles on the door leaves and drum walls
- › Door contours form an integral part of the architectural design due to individual colours and surface treatments of the profiles
- › Available as 3-wing and 4-wing systems
- › Diameters from 1.6 to 3.6 m

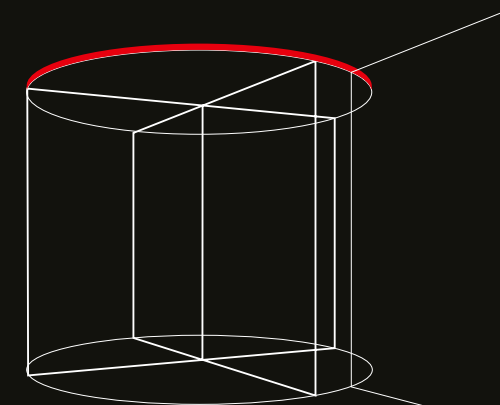




TORMAX T5 infinite

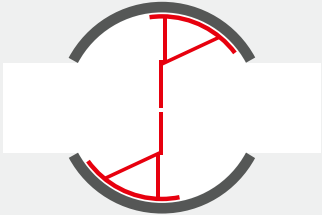

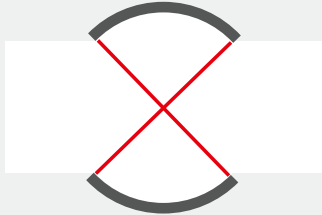
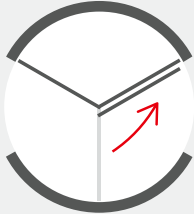

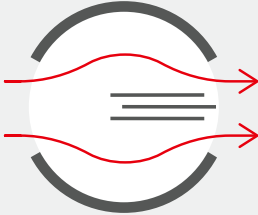
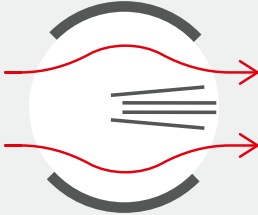
All-glass system, no centre column

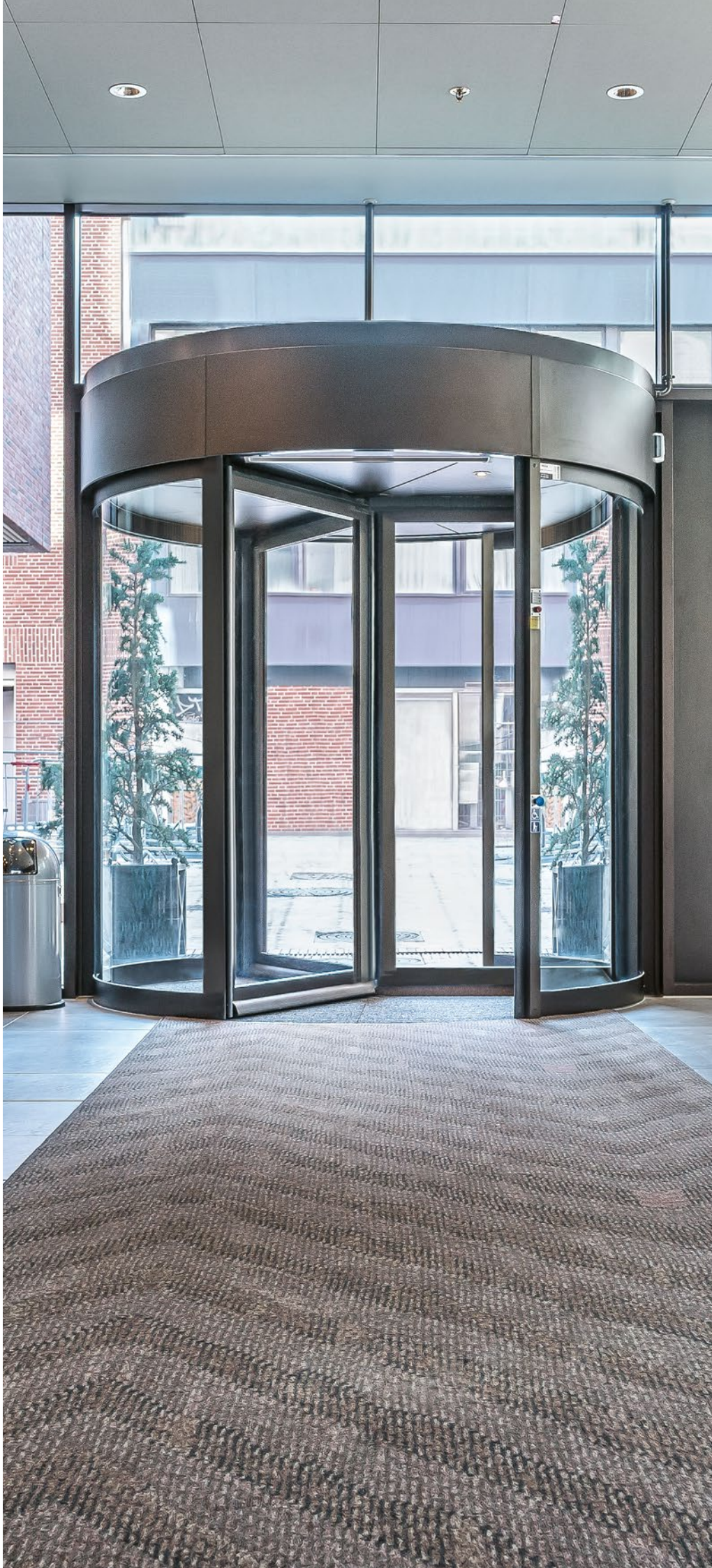
- › Glass is the main design element – no centre column or supporting profiles; featuring a glass ceiling and in-floor drive
- › Ultimate transparency and maximum architectural scope granted with minimum use of materials other than glass
- › Available as 3-wing and 4-wing systems
- › Diameters from 1.6 to 3.0 m



Revolving door systems with two, three or four wings

The perfect fit

	2-wing	3-wing	4-wing
Characteristics	<ul style="list-style-type: none"> › High capacity for people and bulky items › Perfectly suited for hospitals, airports, shopping malls › Largest possible compartments for the given door size › Multi-purpose solution with all functions of both automatic revolving as well as sliding doors 	<ul style="list-style-type: none"> › Medium capacity for people and bulky items › Perfectly suited for hotels, schools, sports buildings, banks and post offices, corporate headquarters › Relatively large compartments even with limited door size › Drum walls stand out more distinctly from facade 	<ul style="list-style-type: none"> › High capacity demands mainly for people rather than goods › Perfectly suited for public buildings, congress centres, banks and post offices, corporate headquarters › Largest possible passage width allows smooth and effective two-way flow of people › Up to 30 % higher capacity than 3-wing doors, depending on diameter
Passage width			
Breakout opening	Not required due to integrated sliding door		
Escape route position	Regulations for rescue and escape routes require a breakout opening that must work in any position of the door. 2-wing revolving doors do not meet this requirement due to their construction.		



Options

Tailored to your wishes and requirements



Breakout

Door wings that can be folded out manually in any position (breakout), suitable for escape and rescue routes or passage with bulky goods. Note that escape routes are subject to local regulations.



Auto-folding

Available with 3-wing doors only, one of the door wings folds automatically by the push of a button to provide a clear passage or to serve as disabled access, emergency egress, smoke discharge or rescue access. Note that escape routes are subject to local regulations.



Windbreak

The windbreak function fixes the door wings electro-mechanically during high winds, triggered either by an automatic wind measuring system or by a manual switch.



Locking

The rotation of the door wings can be securely blocked with either a manual or an automatic locking system.



Night closure

The night closure is a curved sliding door that closes the entrance of the revolving door either manually or automatically, preventing both unauthorised access and the ingress of leaves, water and snow.



Burglary resistance

TORMAX T5 classic models with night closure doors are also available with certified burglary protection packages in various resistance classes up to RC 3.



Air curtain

The air curtain TORMAX AirTech increases energy efficiency by separating cold and hot air. It is installed either directly into the canopy, the ceiling or as a stand-alone solution.



Thermal insulation

TORMAX T5 classic models up to 4.0m in diameter are available with thermally broken profiles and insulated glass for an optimal energy balance.



Floor matting

The floor matting TORMAX MatTech serves as a dirt trap or non-slip base. Various types are available in accordance with the DIN 18650 / EN 16005 and DIN 51130 standards.



Showcase

Showcases are ideal advertising and product presentation spaces. They are available for selected revolving door systems and also with curved glass.



Building management system

TORMAX T5 revolving doors are easy to integrate into any building management system. They allow facility operators to gain an immediate overview of the door status and any related error messages.



Access control

Various access control and mantrap access systems are available to fit the revolving door system to your specific security requirements.

- › Access control: door operates only upon provision of access permission
- › Anti-backtrack: one-way traffic only, impossible to turn back
- › Anti-tailgating: prevents unauthorised access in the opposite direction and in the next compartment
- › Anti-piggyback: prevents more than one person passing through unauthorised in a single compartment; also includes anti-tailgating
- › Panic lock: immediate stopping and locking of door wings by the push of a button



TORMAX T5 Series

Overview

	TORMAX T5 classic	TORMAX T5 contour	TORMAX T5 infinite
Characteristics	Revolving door with full-frame canopy and flexible design	Revolving door with glass ceiling and slim profiles	All-glass revolving door, no centre column
No. of wings	2 / 3 / 4	3 / 4	3 / 4
Diameter (mm)	1600 – 7400 (3wing/ 4wing) 3600, 4200, 4800, 5400 (2wing)	1600 – 3600	1600 – 3000
Max. passage height (mm)	4500	4000	4000
Canopy height (mm)	110 – 1000	45	45
Capacity/ direction (persons/h)	800 – 2700	800 – 2000	800 – 1800

Options

Breakout	+ 3wing/ 4wing	+	+
Auto-folding	+ 3wing/ 4wing		
Windbreak	• 3wing/ 4wing ≥ 3000 mm + 3wing/ 4wing ≤ 3000 mm	+	
Locking	+	+	+
Night closure	• 2wing (integrated) + 3wing/ 4wing	+ manual	+ manual
Burglary resistance	+ 3wing/ 4wing ≤ 4000 mm		
Air curtain	+	+	+
Floor matting	+	+	+
Showcase	• 2wing + 3wing/ 4wing ≥ 4200 mm		
Building management system	+	+	+
Access control	+	+	+

• standard + option

Drive operating types

Manual	Complete manual door operation suitable for small entrances, available with electronic speed limiter
Push & go	The door wings start into drive-supported motion by a gentle push; they are controlled with an electronic speed limiter and auto-positioned correctly when not in use
Automatic	Fully automatic, secure and contactless operation for maximum convenience and hygiene



Why choose TORMAX?

The decision to have a revolving door is also a matter of trust. You want to rely on an experienced partner who knows what it takes to ensure the best solution for your specific requirements. TORMAX is a proven expert in the field of revolving door systems with a strong track record across many decades. We have installed countless automatic doors worldwide and successfully mastered every challenging task so far.

All door systems in the T5 Series are designed, engineered and manufactured by TORMAX. Find out more about the benefits of a TORMAX T5 revolving door system on the following pages.



Design

From standard to unique solutions

Drive technology

Experts in drive systems

Safety

Uncompromising, highly certified

Quality

Convincing performance on all accounts

Security

Protecting people and property

Accessibility

Simple and equitable for all users

Sustainability

Long lifecycle, low environmental impact

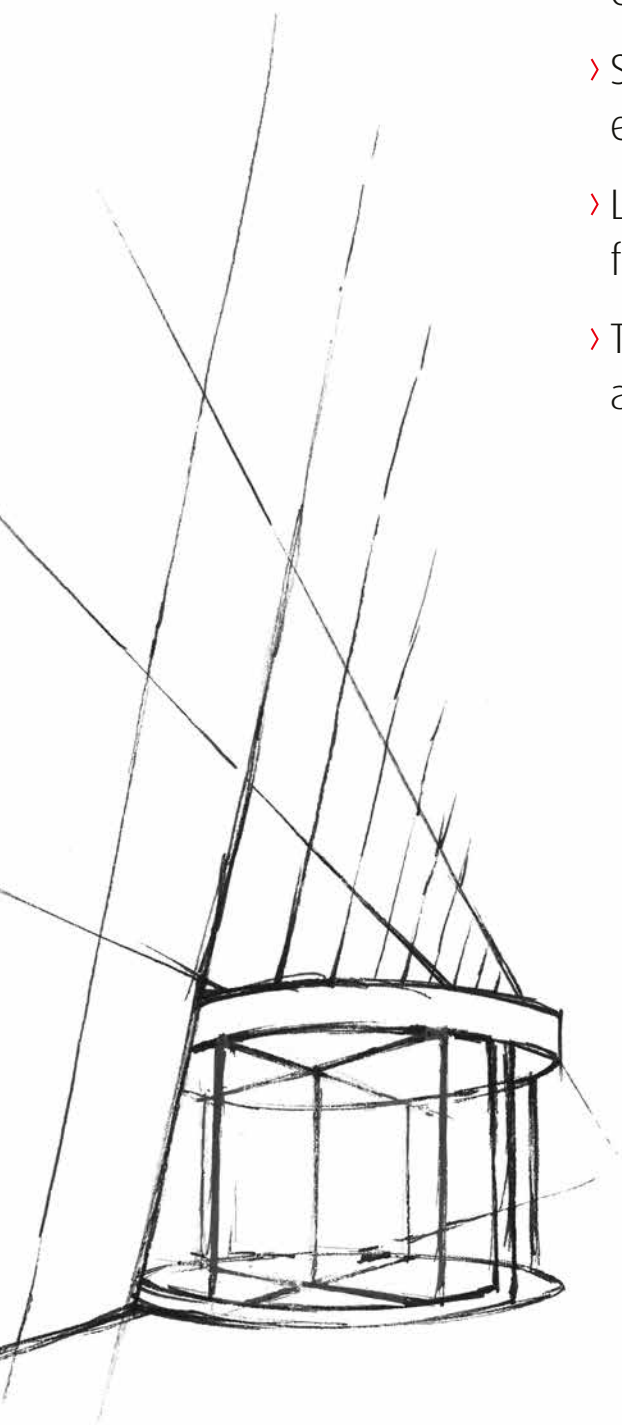
Service

Convenience throughout the lifecycle

Design

From standard to unique solutions

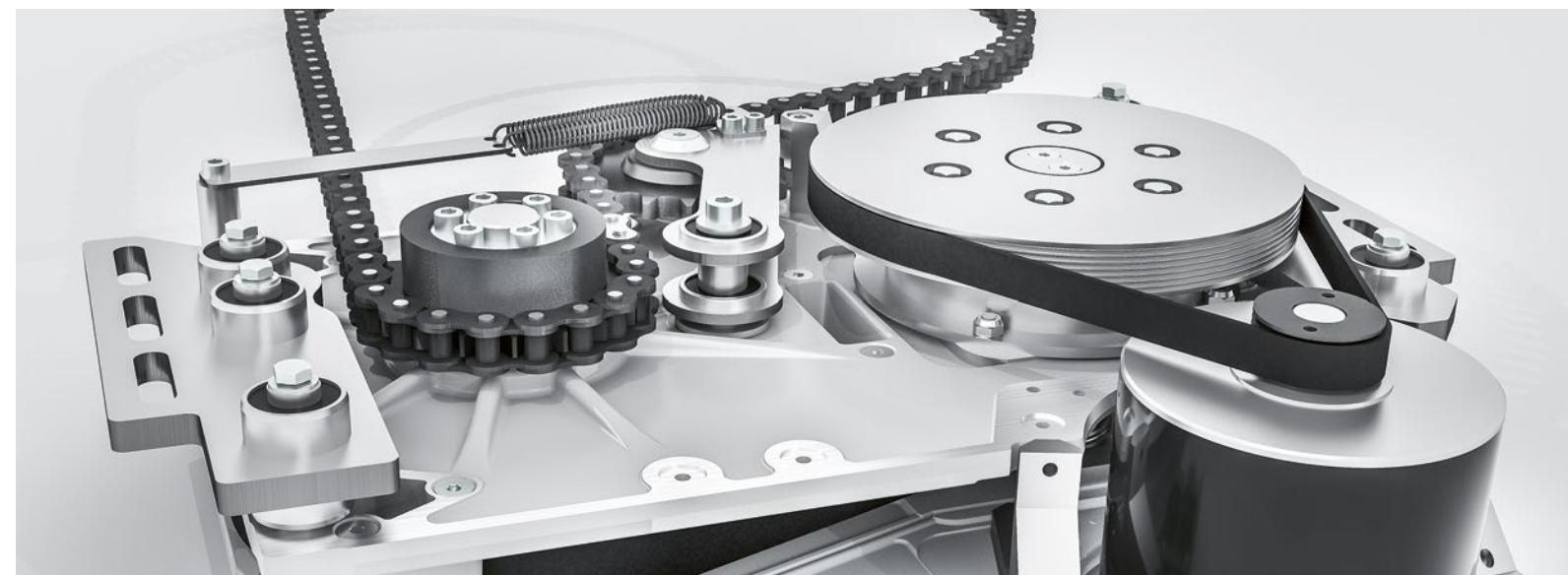
- › We have the skills and the passion to translate your idea into a visually and functionally superior door system
- › Standard and tailor-made sizes, including extra-tall doors
- › Large glass surfaces and slim profiles grant scope for superb design solutions
- › The right type of glass and surface finishing for any situation



Drive technology

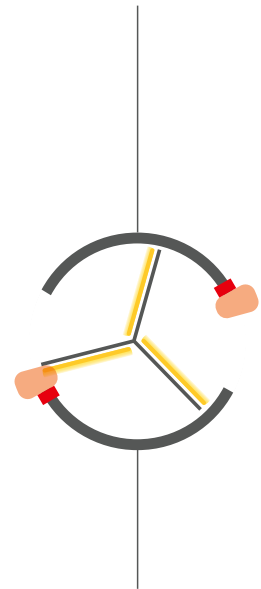
Experts in drive systems





- › TORMAX drive systems: the global benchmark for innovative door automation since 1951
- › In-house engineering and manufacturing of brushless electric motors
- › High-powered, wear-free and highly efficient synchronous motors
- › Exceptionally smooth, quiet and reliable operation due to high torque drives
- › Certified with up to 2 million test cycles/4000 cycles per day
- › High safety ensured by fast signal processing and outstanding brake performance
- › Flat drive housing for slim design applications



Safety

Uncompromising, highly certified



Activation sensors 
Pre-mullion safety sensors 
Mullion safety bumpers 
Safety sensors and bumpers 

- › Smart sensors and safety features detect people, prevent direct physical contact and injuries, and automatically adjust speed to changing situations
- › Emergency stop function
- › Escape route options, eg breakout door wings, automatic folding of door wings
- › Rotational force monitoring and computer-controlled rotation
- › Drive certified according to the latest safety standards EN 16005, DIN 18650 and CAN/UL 325 with relevant approvals by accredited certification bodies



Quality

Convincing performance
on all accounts

- › Engineered, manufactured, preassembled and tested at a TORMAX factory
- › Tough quality testing of each drive before it leaves the factory
- › End-to-end TORMAX quality assurance
- › Innovative, durable and low maintenance door systems
- › Installation and on-site adjustment of pre-assembled modules by certified TORMAX technicians
- › Certified to ISO 9001:2015 in engineering, manufacturing, installation and service of electric drives and automatic door systems



Security

Protecting people and property

- › Secure and convenient entrances that present an elegant integral aspect of the building
- › Seamless integration with access control systems
- › Configuration to specific security requirements
- › Various solutions for people traffic separation and one-way traffic
- › Access control with card or fingerprint readers or any other device
- › Secure locking, glazing and night closure door solutions
- › Emergency stop and locking
- › Certified burglary protection according to various resistance classes up to RC 3



Accessibility

Simple and equitable for all users

- › Accessible for all: TORMAX automatic door systems adapt intelligently to the needs of a diverse society and are simple to use
- › Solutions for all doorway types in public buildings, offices and private homes
- › Temporary slow rotation mode for elderly people and wheelchair users
- › Easy passage for wheelchair users or for moving bulky items by opening the revolving door wings wide when stationary
- › Combination of revolving and integrated sliding door for enhanced convenience



Sustainability

Long lifecycle, low environmental impact

- › Built-in sustainability thanks to quality and durability: fewer replacements, less raw material consumption and a smaller CO₂ footprint than with other brands
- › Revolving door airlock: superior energy efficiency for buildings with high-traffic entrances
- › Optional further energy savings by using automatic night closure door also during opening hours
- › Default stand-by modes with minimized power consumption
- › Use of recyclable materials and recycling at licensed facilities
- › Eco-friendly packaging



Service

Convenience throughout the lifecycle

- › Professional maintenance and repair service quality provided by factory-trained TORMAX Service technicians
- › Service technicians available at all times
- › Fleet well-stocked with original TORMAX spares
- › Very low Service costs over the lifecycle compared to other brands due to exceptionally long operating life, wear-free motors, reliable technology, fewer breaks and service calls
- › TORMAX Service contracts ensure ongoing reliability and minimize the risk of an untimely breakdown
- › Your one-stop shop for all automatic door servicing needs and brands



the passion to drive doors

TORMAX installed Europe's first automatic door in 1951. Today, we are a leading manufacturer of automatic pedestrian and industrial door systems, distinguished by technologically advanced, reliable and innovative solutions.

As an independent Swiss industrial group with global operations, we offer the full range of automatic pedestrian and industrial door systems and ensure their reliable operation throughout their service life.

TORMAX will be pleased to advise you about suitable door systems and support you from design to manufacturing, supervising construction, installation and service.

Get in touch with TORMAX!

www.tormax.com