

mondador
Automatic Door Systems



BOON EDAM
YOUR ENTRY EXPERTS.

TOURNEX.

THE HIGH CAPACITY REVOLVING DOOR

The Tournex high capacity revolving door is an example of a classic revolving door. It has many of the same advantages and the same versatility as our Tourniket revolving door but can handle higher capacity applications such as healthcare facilities, universities and airport terminals. The Tournex is available with three or four-door wings and in a variety of different finishes and colours and with its proven technology, the Tournex is often used as the basis for stunning special design projects.



OVERVIEW

The Tournex can optionally be equipped with a showcase with either straight or concave panels in the centre of the revolving door. Large automatic entrances like the Tournex often function as a moment of rest between the busy public space outside and the more private atmosphere inside a building. A showcase integrated in the Tournex, allows you to use that moment to ease the visitor into your world - using your branding and philosophy, or use it as a marketing space, putting consumers in the right mind set as they enter your space.

The entrance needs to fit the building's criteria on three key areas: sustainability, security and service. However the entrance requires a fourth element: great design.

A SUSTAINABLE SOLUTION

Revolving doors are the most energy-efficient entrance solutions available today. The always open, always closed principle of a revolving door ensures that the conditioned inside air and the unconditioned outside air remain separated, preventing draught, dust and noise from coming into the building. As less energy is required to maintain the conditioned climate inside the building, revolving doors help reduce the carbon footprint of a building and save both energy and cost.

The same effect can be reached by installing a draught lobby but for draught lobbies with conventional sliding or swinging doors to be truly effective, the entrance and exit doors of the lobby can never be open at the same time.

The advantage of revolving doors is that they save energy while facilitating a continuous flow of people.

SAFETY AND SECURITY ARE IMPORTANT

Security in an entry has two different aspects: the security of the building and the safety of its users. The Tournex complies with the strictest safety regulations.

Safety Sensors in the door wings and in the frame ensure that the door responds to users and objects, minimising, or even preventing, impact with the user. The door behaviour can be customised to suit your building's requirements. Such requirements could be based on your priority for safety or throughput taking into account various user groups ranging from professionally trained users to locations where people with special needs form a large part of the user profile such as children and elderly people.

We offer the following additional safety measures:

- Accessibility buttons
- Visual signage on the door wings and curved walls to ensure the accessibility of our doors for all user groups. CE plus package
-

The front entrance to a public building should also include security options. Our revolving door security options allow for an added layer of protection.

We offer the following additional security measures:

- RC3 Burglar protection package
- Manual door set locking
- External or Internal night-locking doors

ESCAPE ROUTE

The escape route is one of the main issues when considering the main entrance to a building. The Tournex is available with an option of a collapsible door set on both the three and four-wing models.

If equipped with a collapsible door set, the Tournex can be installed in an escape route. In case of an emergency, the door set will unlock and the door wings can be folded together to create an open passageway. Please note that the minimum passage widths are subject to local regulations and building specifications.

KEY FEATURES

- 3 or 4-Wing configuration
- Automatic operation
- Large selection of dimensions
- Rigid or collapsible door set
- Speed control
- Night-locking options

PUT YOUR STAMP ON IT

A larger version of the Tourniket, the Tournex is available with three or four-door wings and allows easy and quick access to large amounts of visitors, wheelchairs, large carts and luggage. Like the Tourniket it is available in virtually any colour, ranging from traditional RAL colours to the deep-matt finishes resembling anodizing, yet in an eco-friendly manner. Optional showcases around the centre column of the door set allow for customisation or advertisements. Because of its size, it is only available in an automatic version.

Our revolving doors are available in a wide variety of heights and widths with different canopy heights and heights under canopy, ensuring that many design wishes can be solved with one of our standardised products. If your design falls outside the options that are available, our sales managers and engineers will work with you to create a safe and sustainable entrance that meets all requirements.

KEY BENEFITS

- Handles high capacity throughput
- Easy to use and operate
- Access for all (easy, convenient disabled support)
- Automatic operation for touchless entry
- Sustainable and energy-saving
- Reduced air infiltration
- Good ROI
- Highly customisable

SUGGESTED SEGMENTS

- Retail
- Healthcare
- Airports
- Corporate
- Governmental
- Restaurants and hospitality

You can level up in any of these categories:



LEVEL UP

If our standard specifications do not quite suit your needs, we open up opportunities for you to 'Level Up' where it counts most. You can also do this according to your most motivating value driver:

The specification table shows you our standard product options, and to the right of these, you can easily see, and consider, any compatible 'Level Up' options for fine-tuning the Tournex.



- A: 3-Wing collapsible star model (most popular)
B: 4-Wing collapsible star model (variation)



TECHNICAL SPECIFICATIONS



THROUGHPUT	MOST POPULAR	VARIATIONS
Throughput	2 x 72 People per minute	2 x 36 - 2 x 91 People per minute Available
Diameter	6000 mm	as standard in any diameter between 3600 - 7400 mm in increments of 600mm
Height Under Canopy	2200 mm	Available as standard between 2200 - 2600 mm.
Canopy Height	300 mm	Available as standard between 300 - 1200 mm
Throat Opening	2770 mm	Available as standard between 1570 - 4053 mm
Number of Doors / Wings	3	4



SECURITY	MOST POPULAR	VARIATIONS
Night-locking	Manual-locking door set	External or internal night-locking doors
Controllable Locking	Security lockdown	-
Protection Level	Vandal resistant safety glass (P2A)	RC3 Burglar protection package



SAFETY	MOST POPULAR	VARIATIONS
Safety Packages	CE Basic	CE Plus / DIN 18650 / UKCA / ANSI / Chinese standard
Drive Unit	Drive with speed control and block detection	-
Escape Route	Collapsible door set with activation button	Rigid door set, no escape route
Fire Alarm	Connection prepared in control system	-



AESTHETICS	MOST POPULAR	VARIATIONS
Finish	Powder coated aluminium	Anodic coated aluminium Stainless steel cladding brushed / mirror
Glass	Glass decals	Tinted and low iron glass options
Canopy	Extruded solid canopy	Glass roof 18 mm Canopy cover material options
Ceiling	Coordinated colour, material and finish	Alternative colour, material and finish
Door Handles	-	Vertical Ø40 mm
Floor Mat and Trim	Floor mounted	Matwell trim Floor mat

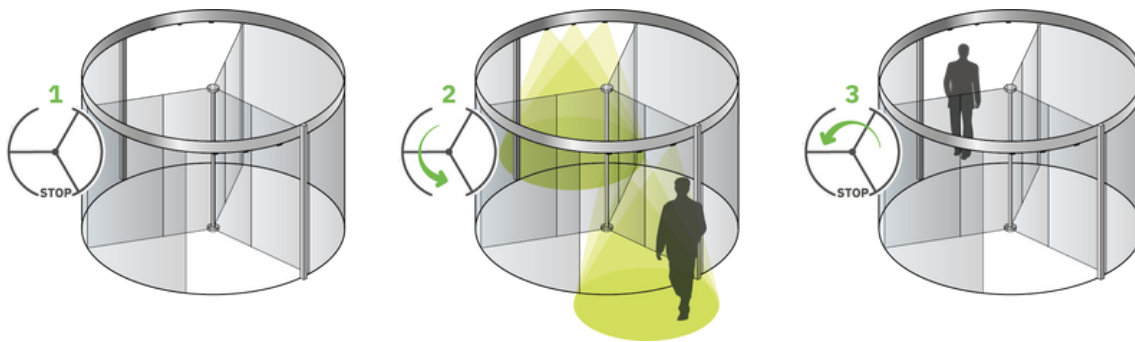


TECHNOLOGY	MOST POPULAR	VARIATIONS
Drive Door	Drive unit in canopy	-
Control	Control panel on door	Control panel external Door connected to BMS

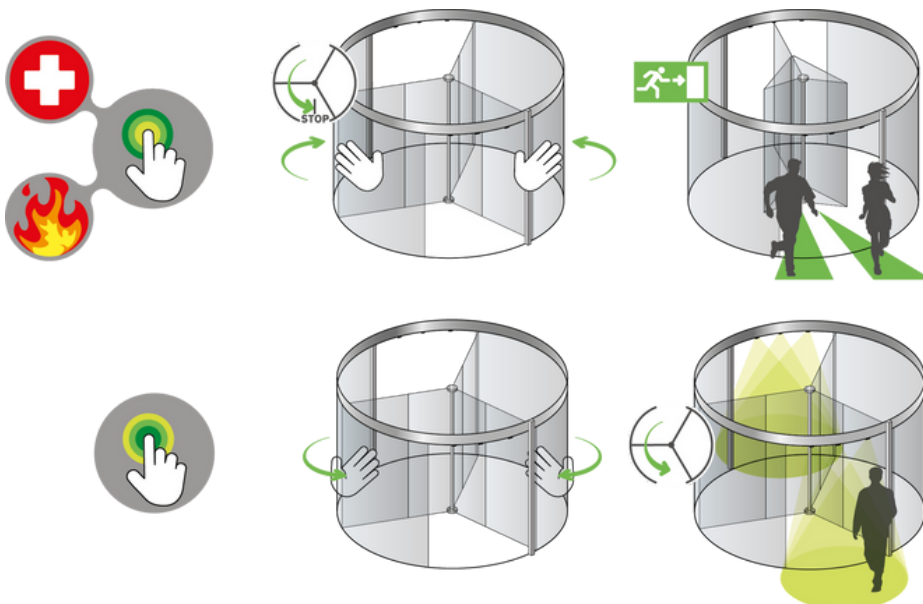


COMFORT	MOST POPULAR	VARIATIONS
Accessibility	-	Push-button temporary low speed Autofolding door set for barrier friendly entrance
Lighting and Sound	LED's 14 Genuine horse hair brushes with	Custom LED's / lighting Voice module
Climate Control	EPDM interlayer	Air curtain options
Activation	Motion sensors Welcome mode - idle speed	-

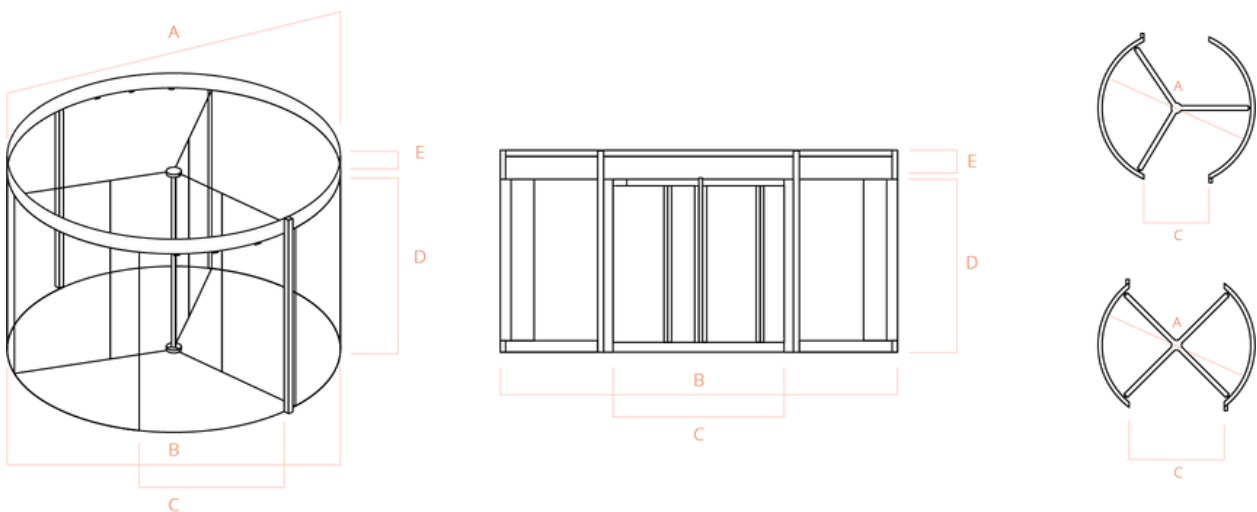
WORKING PRINCIPLE - STANDARD



WORKING PRINCIPLE - COLLAPSIBLE DOOR SET



TECHNICAL DIMENSIONS



- A. Diameter
- B. Installation Width (mm)
- C. Throat Opening (mm)
- D. Height Under Canopy (mm)
- E. Canopy Height (mm)



SERVICE AND MAINTENANCE

With hundreds of thousands of visitors passing through the entrance every day, uninterrupted and reliable operation is vital. Regular service and maintenance can prevent unexpected equipment failures. Monador's service and maintenance teams across Türkiye and neighboring countries have extensive experience with how local conditions affect the wear and tear of your entrance solutions. They offer customized service and maintenance contracts perfectly tailored to these conditions.

COMPLIANCE

Monador entrances are trusted solutions that allow organisations to meet compliance regulations related to restricting access to areas within a building. We take compliance and safety very seriously and ensure that our products are manufactured, installed and maintained to keep up with the strict criteria required in all our countries. We are always improving and committed to making sure our products are compliant and certified.

The Tournex complies with the following European standards:

- Machine Directive 2006/42/EC
- EMC Directive 2014/30/EC
- RoHS Directive 2011/65/EU
- EN16005 - Safety in use for power pedestrian doors
- EN1627 – Burglar-resistant package
- EN356 – Glass specification

CLIMATIZATION

The process of adjusting the temperature, humidity, cleanliness and air movement of a closed environment according to human health and comfort is called air conditioning. We know that our automatic door models, which combine advanced technology with research on human behavior and building environment, will contribute to sustainable and healthy buildings. With smart sensors, adaptive operating modes and connectivity, we can ensure that every building makes a difference and contributes to the future of green buildings.



EXPERIENCE AND KNOWLEDGE

Monador Automatic Door Systems Trade Inc. is the leading organisation that laid the foundations of the sector. With this understanding, we are proud to continue to provide the service of automatic sliding, magnetic sliding, revolving, security system doors, which we have been implementing in Turkey and the Middle East since 1988. As a result of the experience and knowledge we have gained, with our professional teams, we provide 24/7 service to our customers after sales or after assembly. Our products with superior technological equipment are provided to provide trouble-free service.

SERVICE & MAINTENANCE SUPPORT

Our periodic maintenance packages are **Platinum**, **Gold** and **Silver** presented in three categories.

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