

Tournex



The revolving door for intensive traffic flow

The Tournex is a sophisticated automatic revolving door with spacious compartments, easily able to cope with intensive pedestrian traffic flow while protecting the building environment from draughts. With a range of diameters up to 7400 mm, the Tournex is large enough to safely accommodate shopping and luggage trolleys, stretchers and wheelchairs, making it a truly impressive entrance solution.

High capacity entrance solutions

The Tournex is available with three or four door wings. The three wing models offer greater compartment space for additional comfort and easier passage for large items, whereas the four wing models provide wider throat openings which allow more efficient bi-directional traffic flow and a balanced appearance. The door set is collapsible to provide wide escape routes in the event of fire or other emergency situations.

The variety of configurations and large diameters enables us to offer you a high capacity, energy efficient entrance solution for almost any building. You will often find the Tournex installed in airports, hospitals, supermarkets and hotels around the world.

Flexible design

The Tournex has been carefully designed with an extensive range of operating and safety features to blend the energy efficiency advantages of a revolving door with the design needs and functional requirements of busy and prestigious buildings.

Finish

The frame and door set can be finished in powder coated or anodised aluminium. Alternatively they can be clad with stainless steel, brass and other metals. The frame consists of a profile system which is designed to allow optional inlay strips to be incorporated to create unique colour/material combinations.

Construction

The Tournex is available with either solid or glass curved walls. Solid walls are constructed from high grade aluminium sandwich panels. Glass walls provide a more spacious and transparent feeling and are constructed from slim aluminium profiles with laminated glass.

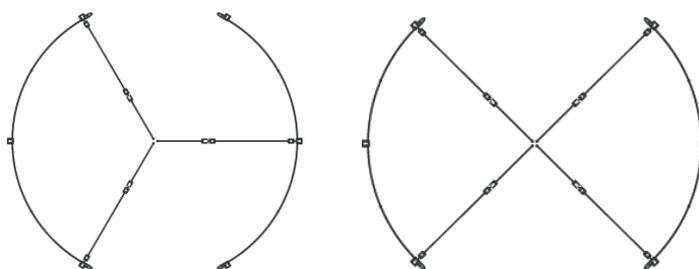
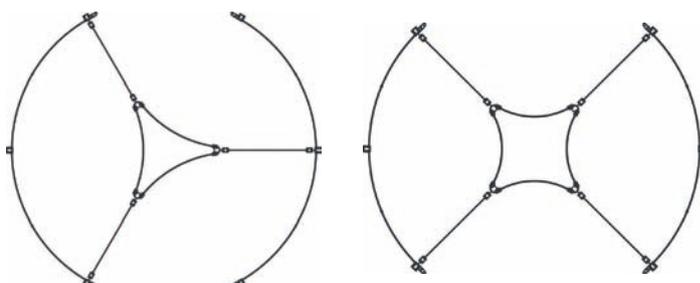
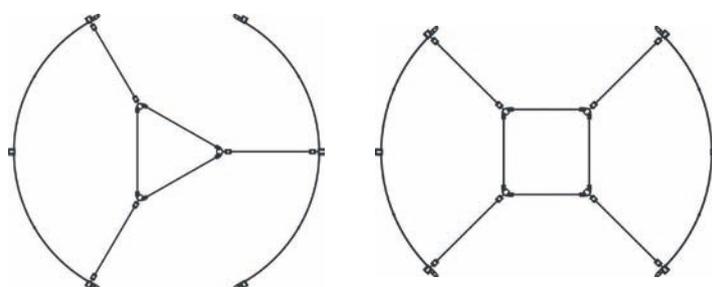
Showcase

The Tournex is available with an optional showcase in the centre column, which can be used for product display or as advertising space. The showcase is available with either flat or curved glass.

In the Tournex Star configuration, additional space is created by replacing the showcase with glass panels and a slim centre shaft, allowing greater traffic capacity and creating a more transparent appearance.

Options

- Rigid door set
- Idle speed
- Push-button temporary low speed
- Manual night locking doors
- Espagnolet locks
- Glass protection sheets
- Remotely controlled door set blocking
- Burglary resistance package (ENV 1627)
- Ceiling lighting with low energy, LED or halogen lamps
- Plywood, stainless steel or aluminium dust covers
- Roof covering for outside use
- Air curtains
- Floor mats



Safety Features

At Boon Edam, we put safety first. We know that user safety and emergency exit requirements are important when designing your entrance. That is why our products are created with these demands in mind. All Boon Edam products are designed to comply with or exceed safety standards and regulations.

User Safety

The Tournex is designed with maximum safety in mind and features a sophisticated array of both contact and non-contact safety features as standard to ensure safe and practical operation in all circumstances:

- Compressible safety buffers on the end of the curved walls (SRB)
- Compressible safety buffers on the leading face of each door wing's bottom rail (SRD)
- Presence sensors in front of each door wing (HBS)
- Presence sensors in front of each curved wall end (EBS)
- Presence sensor in front of leading edge of the door (TRS)
- Low torque drive unit with speed control
- Emergency stop buttons

Emergency Escape

In Tournex Revolving Doors with collapsible doorset, the door wings will be unlocked in case of a fire alarm, power failure or other emergency. They can then be collapsed around the centre column to create an emergency escape*.

*Escape route requirements are subject to local regulations



Climate control

The 'always open, always closed' nature of our revolving doors lets you create a stylish and energy efficient entrance to your building, allowing users to move freely in and out, while creating an effective barrier between the weather, pollution and dirt on the outside and the environment on the inside. This makes it possible for you to maintain the optimum climate conditions inside your building.

Cost savings and comfort

A Tournex allows you to create a comfortable environment, even close to the entrance, without the need for a separate draught lobby, enabling maximum use of floor space. As no energy is lost to the outside of the building, the Tournex is an environmentally friendly solution that will help you save considerably on costs for heating and cooling your building. This means that often a Tournex will pay for itself many times over during its life span.

*'a truly impressive
and versatile solution'*

Security options

Burglary Resistance

Boon Edam is the first to offer the option of night locking doors with an approved Burglary Resistance package on its revolving doors. The burglary resistant system has been developed and tested in compliance with the applicable European (ENV1627) standards and certified by the relevant Notified Body. The class 3 system includes special burglary resistant laminated glass, special locking and reinforced profiles.



Service & maintenance

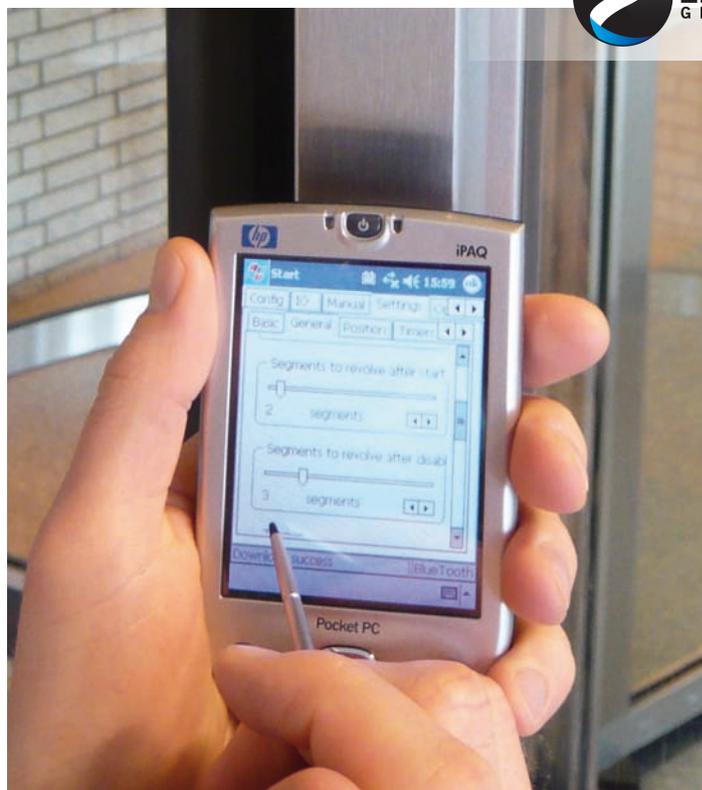
At Boon Edam we know that our products are often used at main entrances. Therefore we recognise that continued operation and rapid response times are essential. In order to ensure that service and maintenance is more efficient than ever before, the Tournex can be equipped with modern communications software.

Teleboon

The optional Teleboon system remotely monitors the Tournex after installation. The control unit sends all operational data to the Boon Edam service centre. The information is then used to carry out service and maintenance as efficiently as possible. Moreover the system directly contacts Boon Edam in case of malfunction, allowing the service teams to respond immediately and limiting discomfort.

Control unit

Every Tournex is equipped with a modern control unit which can be accessed through a PDA. This allows the Boon Edam service teams to carry out service and maintenance to the software quickly and with minimal inconvenience to the users.



Standard dimensions and theoretical capacity

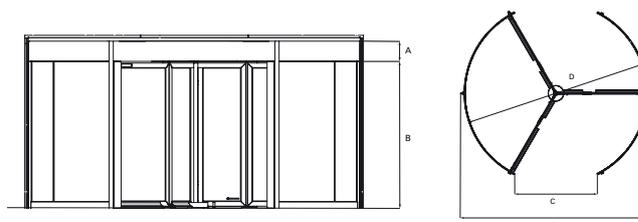
D Diameter (mm)	C Throat Opening (mm)	E Installation width (mm)	Max Persons/ Segment	Capacity/ minute¹	Type of Traffic	Escape route²	Disabled Access
3-wing Tournex							
3600	1570	3740	3	2 x 36			
4200	1870	4340	5	2 x 51			
4800	2170	4940	6	2 x 54			
5400	2470	5540	8	2 x 65			
6000	2770	6140	10	2 x 72			
7400³	3470	7540	16	2 x 91			

¹ Maximum capacity per minute indicates how many people can pass through the Tournex (without showcase) in both directions under normal conditions

² Escape route requirements are subject to local regulations

³ Only available in 3-wing aluminium versions

Diameter	A Canopy height (mm)	B Height under canopy (mm)
3600 - 6000	300 - 1200	2200 - 2600
7400	300 - 600	2200 - 2300



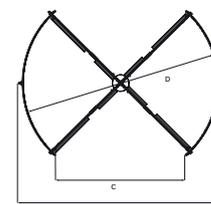
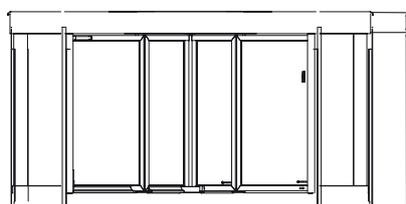
Standard dimensions and theoretical capacity

D Diameter (mm)	C Throat Opening (mm)	E Installation width (mm)	Max Persons/ Segment	Capacity/ minute ¹	Type of Traffic	Escape route ²	Disabled Access
4-wing Tournex							
3600	2356	3740	2	2 x 32			-
4200	2780	4340	3	2 x 41			
4800	3204	4940	5	2 x 60			
5400	3629	5540	6	2 x 65			
6000	4053	6140	8	2 x 77			

¹ Maximum capacity per minute indicates how many people can pass through the Tournex (without showcase) in both directions under normal conditions

² Escape route requirements are subject to local regulations

Diameter	A Canopy height (mm)	B Height under canopy (mm)
3600 - 6000	300 - 1200	2200 - 2600



Technical Specifications

Power supply	200-240 VAC, 50/60 Hz
Motor	AC motor, 3-phase
Power consumption	Operating 440 W Stationary 350 W Lighting 168 W (LED) 280 W (halogen)
Ambient temperature	-20°C to +50°C
Fuse	External power supply fused with 16 A Slow

High Quality

At Boon Edam, we take quality seriously. Quality of the materials we use, quality of our employees as well as quality of our partners. As with all Boon Edam products, the Tournex is manufactured to the highest standards, is CE approved and complies with international regulations and guidelines, including but not limited to: the Machine Directive (2006/42/EC), the EMC-directive (2004/108/EC), the Low Voltage directive (2006/95/EC) and European Glass standard EN356.

Many Boon Edam revolving doors meet the requirements of the Dutch Council of the Chronically ill and the Disabled as being accessible for disabled people. When you install a Tournex in your building, your entrance will meet the requirements of the international accessibility symbol (ITS).



Distributor
 Zekić sistemi d.o.o
 Marinići bb, 51216 Viškovo
 Tel.: 00385 1 3457 668
 Fax: No.: 00385 1 3793 385
 E-mail: info@zekic.hr



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