



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 7400mm, the Tournex is large enough to safely accommodate shopping and luggage trolleys, stretchers and wheelchairs, making it a truly impressive and versatile solution.

3 or 4 door wings

The Tournex is available with 3 or 4 door wings. The 3-wing models offer greater compartment space for additional comfort and easier passage for large items, whereas the 4-wing models provide wider throat openings which allow more efficient two-way traffic flow and a balanced appearance. All door sets are collapsible to provide wide escape routes in the event of fire or other emergency situations.

High capacity entrance solutions

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 find the Tournex installed in airports, hospitals, supermarkets and hotels around the world.

The 3- and 4-wing Tournex

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.

Construction

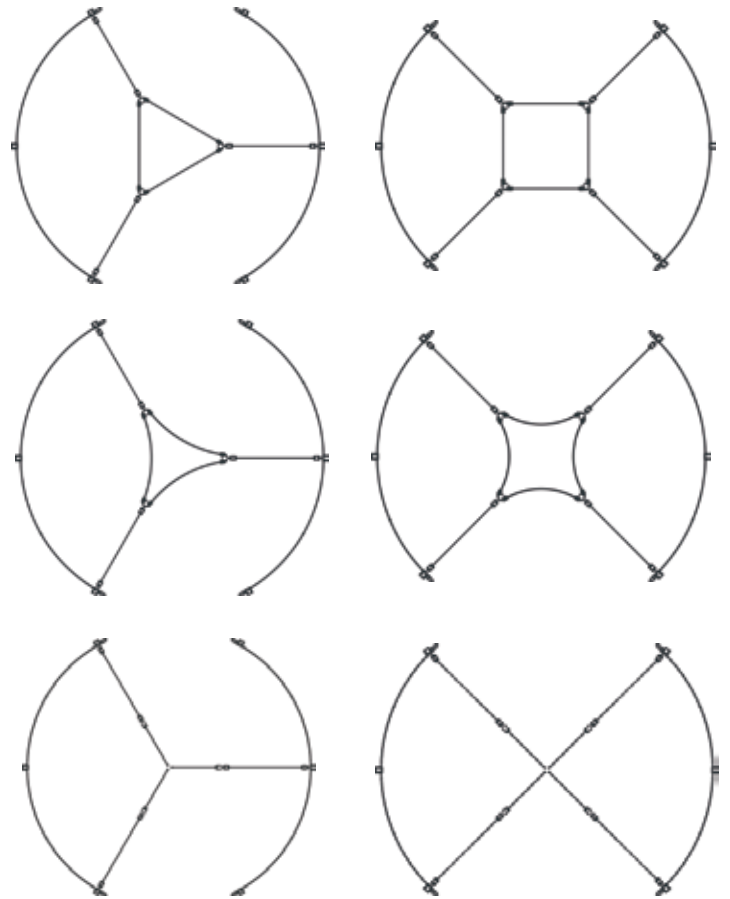
The curved walls are available in either solid or glazed versions. Solid walls are constructed from aluminium sandwich panels while glass walls are formed from extruded aluminium profiles, glazed with safety glass for a more transparent and spacious feel.

Showcase

The Tournex is available with a showcase in the centre column, constructed from flat or curved glass. The showcase can be used for product displays or as an advertising space. This advertising space could even be rented out to provide a source of revenue.

Tournex Star

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



'a truly impressive and versatile solution'



Climate control

While automatic sliding doors can remain almost constantly open in busy traffic flow conditions, a Tournex creates the optimum solution to separate the outside environment from the inside of your building. A revolving door is always open for people to pass through, yet always closed from all the weather, dirt and noise on the outside. This allows you to create and maintain optimum conditions inside your building.

Cost savings

- 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.
- Reducing energy loss is good for the environment and can provide significant savings on heating and cooling costs.
- By saving energy, you will save money and often a Tournex will pay for itself many times over during its life span.

Flexible design

The Tournex has many options in design and surface finish and can be manufactured to match or complement a wide variety of interiors and facades.

Finishing

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

Options

- Manual night locking doors to close the throat opening
- Glass protection strips for trolleys
- Espagnolet locks
- Ceiling lighting with halogen or low energy lamps
- Push-button for the disabled (temporary low speed)
- Watertight roof covering
- OmniVent C or V (air curtains)
- Floor mat

Safety features

At Boon Edam we put safety first. Our products are designed to comply with or exceed all relevant 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 vertical safety buffers on the ends of the curved walls
- Compressible horizontal safety buffers on leading face of the door wing bottom rails
- Horizontal non-contact sensors in front of each door wing
- Compressible vertical safety buffers on the leading face of each door wing front style
- Vertical non-contact sensors in front of each curved wall leading edge
- Speed control
- Emergency stop buttons

Emergency Escape

Electro-mechanical locking units hold each door wing of the Tournex rigid unless deactivated through fire alarm, power failure or emergency signal input. Once released, the door wings can be collapsed around the centre column to create free access/egress.



Standard dimensions and traffic flow

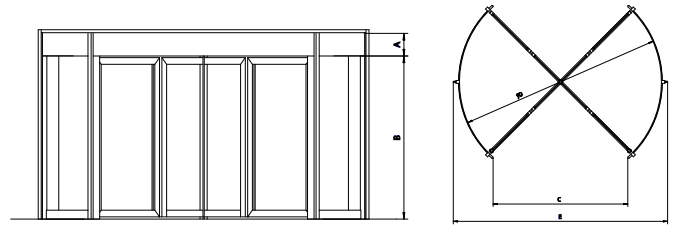
D Diameter (mm)	Door wings	C Throat Opening (mm)	E Installation width (mm)	Max persons / segment	Capacity / minute *	Type of Traffic	Escape Route	Disabled access
3600	3	1590	3740	3	2 x 36			
3600	4	2380	3740	2	2 x 32			-
4200	3	1890	4340	5	2 x 51			
4200	4	2805	4340	3	2 x 41			
4800	3	2190	4940	6	2 x 54			
4800	4	3230	4940	5	2 x 60			
5400	3	2490	5540	8	2 x 65			
5400	4	3650	5540	6	2 x 65			
6000	3	2790	6140	10	2 x 72			
6000	4	4080	6140	8	2 x 77			
7400**	3	3490	7540	16	2 x 91			

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

** Only available in 3-wing aluminium versions

Dimensions

Diameter	Height A (mm)	Height B (mm)
3600 - 6000	300 - 1200	2200 - 2600
7400	300 - 600	2200



Technical specifications

Power supply	200-240 VAC, 50/60 Hz
Motor	AC motor, 3-phase
Power consumption	
Drive unit	250W
Lighting	280W (halogen 14x) 98W (low energy lamps 14x)
Ambient temperature	-20°C to +50°C
Fuse	External power supply fused with 16A 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 the Machine Directive (98/37/EEC), the EMC-Directive (89/336/EEC) and the Low Voltage Directive (93/68/EEC).

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 this type of door in your building, your entrance will meet the requirements of the international accessibility symbol (ITS)

