

# Tourniket



## The all round revolving door

The Tourniket is a high quality revolving door with eye-catching features. Its unique design combines architectural beauty with the highest degree of flexibility. From saving energy costs to the use of intelligent safety features, every aspect of this revolving door is designed to fulfill the needs of our customers.

### 3 or 4 door wings

The Tourniket is available with 3 or 4 wings, with manual or automatic operation depending on size and application. The 3-wing models provide a balance of segment size, throat opening and capacity while the 4-wing versions provide the most efficient bi-directional pedestrian traffic flow, because of the wider throat opening.

### Universal entrance solution

The variety of configurations enables us to offer you a suitable entrance solution for almost any building. You will often find our Tourniket revolving doors in offices, hotels, supermarkets and many types of public buildings.

Your **Entrance.** Our **Technology.**

## Flexible design

The Tourniket 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. Alternatively the Tourniket can be clad with stainless steel, bronze, brass and other metals. A stylish wooden Tourniket is also available.

### Construction

The curved walls are available in either solid or glazed versions. Solid walls are constructed from aluminium sandwich panels. Glass walls provide a spacious and transparent feel and consist of slim line aluminium sections with laminated glass. The door set is constructed from aluminium profiles, horsehair weather-strips around the edges and safety glass. The canopy can be provided with a weather proof covering and plywood, stainless steel or aluminium dustcovers.



## 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

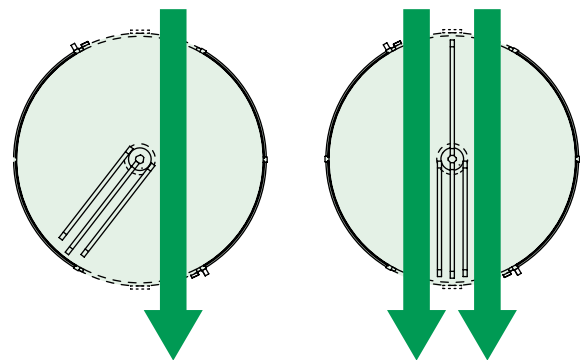
The automatic Tourniket is equipped with an extensive array of standard and optional safety features to ensure safe and practical operation in all circumstances:

- Compressible vertical safety buffers on the ends of the curved walls
- Low torque drive unit with speed control
- Emergency stop buttons
- Compressible horizontal safety buffers on the leading door wing ends (standard on >3000mm 3- and 4-wing)
- Optional presence sensors for larger doors and special circumstances

### Emergency

The collapsible door set of the 3- and 4-wing Tourniket, available as an option, is fitted with electro mechanical locking units that unlock in the event of an emergency situation such as fire alarm activation, power failure or an emergency stop. Once these locks have been deactivated, the door wings can be collapsed together to create a clear passage.

Escape route requirements are subject to local regulations.



*Evacuation path*

# Energy saving and the environment

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, dirt on the outside and the environment on the inside. This makes it possible for you to create the optimum conditions inside your building.

## Cost savings and comfort

Reducing energy loss is not only good for the environment; it can also provide significant savings on heating and cooling costs. By saving energy, you will save money and often a revolving door will pay for itself many times over during its life span. A Tourniket enables you to create a comfortable, draught-free environment, even close to the entrance, enabling maximum use of floor space.

**Tournikets don't just look good; they provide real, tangible benefits:**

- Conserve energy
- Reduce energy bills
- Increase usable floor space
- Create a more comfortable working environment
- Reduce draught, noise and dirt infiltration

*'Always open,  
yet always closed'*



# TQ features

## Options

- Night locking doors to close the throat opening (manual or automatic)
- Integrated manual or automatic locks
- Remotely controlled electro mechanical locking
- Secured night entrance, access with authorisation (e.g. card reader system, night porter) and exit without authorisation
- Burglary resistance package
- Centre of door set and glass ceiling to give greater transparency
- Ceiling lighting with halogen or low energy lamps
- Push-button for the disabled (temporary low speed)
- Watertight roof covering
- Speed control for manual doors
- Positioning, Power assist and Speedcontrol unit (PPS)
- Idle speed
- Push & go or motion detection start up
- Passive infrared or radar motion detectors
- Various monitoring contacts
- Teleboon, Telemonitoring system



## Contemporary control unit

**The Tourmiket is equipped with a state of the art multi-functional control panel with capacitive soft touch switches and LED indicators.**

The control panel has an integrated BlueTooth module to allow authorised wireless communication for service and maintenance purposes. Exchanging software or changing the software settings can now be done wirelessly with a PDA, without dismantling the ceiling in order to get access to the control box. Alternatively an infrared communication module is available as an option.

# The 3- and 4-wing Tourniket

The extensive range of options and sizes make the 3- and 4-wing Tourniket an extremely versatile and practical choice. Both versions are ideal for heavier traffic flows, making them the perfect choice for offices, hotels and supermarkets. Smaller doors are generally manually operated and extremely cost-efficient while larger ones can be fully automated for maximum user comfort.

The Tourniket has many options in design including the options for an elegant framed doorset, or to increase transparency, a version with a transparent centre section and glass canopy. The 3- and 4-wing doorset is available in rigid, folding and collapsible versions.

## Night locking options

The Tourniket is available with a variety of manual or remote automated controlled night locking options. The automatic locking options can be combined with an access control system, allowing authorised users to enter the building at night.

Our night locking doors, to close the Tourniket completely, can slide on the outer perimeter of the door, or can be fully integrated into the curved walls, sliding inside the frame. This allows a flexibility in the positioning of the door, still benefiting from the advantages of the night locking doors.



Boon Edam is the first to offer the option of night locking doors on its revolving doors with an approved Burglary Resistance package. This is part of the Class 3 package, which includes: special burglar resistant laminated glass, special locking and reinforced profiles. The burglar resistant system has been developed and tested in compliance with the applicable European (ENV1627) standards and certified by a specialised notified body.

## Standard dimensions and traffic flow

<i>D</i> Diameter (mm)	<i>C</i> Throat opening (mm)	<i>E</i> Installation width (mm)	Max persons/ segment	Capacity/ minute <sup>1</sup>	Type of traffic	Escape route <sup>2</sup>	Disabled access
<b>3-wing Tourniket</b>							
1600	700	1677	1	2 x 22			-
1800	800	1877	1	2 x 22			-
2000	900	2077	1	2 x 22			-
2200	1000	2277	1	2 x 20			-
2400	1100	2477	1	2 x 18			-
2600	1200	2677	2	2 x 33			-
2800	1300	2877	2	2 x 31			-
3000	1400	3077	2	2 x 29			-
3200	1500	3277	3	2 x 41			-
3400	1600	3477	3	2 x 38			
3600	1700	3677	3	2 x 36			
3800	1800	3877	4	2 x 46			

<sup>1</sup> Maximum capacity per minute indicates how many people can pass through the Tourniket in both directions under normal conditions.

<sup>2</sup> Only with collapsible door set option.

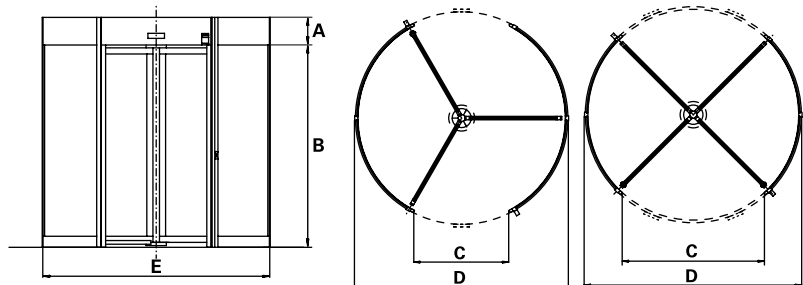
## Standard dimensions and traffic flow

<b>D</b> Diameter (mm)	<b>C</b> Throat opening (mm)	<b>E</b> Installation width (mm)	Max persons/ segment	Capacity/ minute <sup>1</sup>	Type of traffic	Escape route <sup>2</sup>	Disabled access
<b>4-wing Tourniket</b>							
1600	1055	1677	1	2 x 26			-
1800	1195	1877	1	2 x 26			-
2000	1335	2077	1	2 x 26			-
2200	1475	2277	1	2 x 26			-
2400	1615	2477	1	2 x 24			-
2600	1755	2677	1	2 x 22			-
2800	1895	2877	1	2 x 20			-
3000	2035	3077	2	2 x 38			-
3200	2175	3277	2	2 x 36			-
3400	2315	3477	2	2 x 34			-
3600	2455	3677	2	2 x 32			-
3800	2595	3877	3	2 x 46			-

<sup>1</sup> Maximum capacity per minute indicates how many people can pass through the Tourniket in both directions under normal conditions.

<sup>2</sup> Only with collapsible door set option.

	<b>A</b> Canopy height (mm)	<b>B</b> Height under canopy (mm)
All Diameters	200-1200	2100-2600



## Technical specifications

Power supply	200-240 VAC, 50/60 Hz
Motor	AC motor, 3-phase
Power consumption	
Operating	150W
Stationary	75W
Lightning	56W (low energy) 80W (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 our partners. As with all Boon Edam products, the Tourniket 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 have been approved by 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).

The Burglar Resistant Tourniket has been tested, assessed and certified by the Dutch notified body SKG in accordance with NEN 5096 and ENV 1627.

*Distributor*

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