BOON EDAM

YOUR **ENTRY** EXPERTS.

TOURNEX.

THE **HIGH CAPACITY** REVOLVING DOOR

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OVERVIEW

The Tournex is a high-capacity revolving door that combines timeless design with the ability to handle large volumes of foot traffic. Available in three or four-door wing configurations and offered in a wide range of finishes and colours, it provides extensive design flexibility. Renowned for its reliable technology, the Tournex often serves as the cornerstone of impressive architectural projects. It is the perfect entrance solution for high-traffic environments, including healthcare facilities, universities, and airport terminals.

SEAMLESS INTEGRATION OF DESIGN AND FUNCTIONALITY

The Tournex is more than just an entry point, it offers visitors a warm welcome while creating a lasting first impression. The door you select should complement the building's exterior architecture and seamlessly integrate with the interior design, all within a single rotation.

With an integrated showcase, the Tournex allows you to immerse visitors in your brand and philosophy from the moment they enter. It can also serve as a prime marketing space, setting the right tone for consumers as they step into your environment.

This design makes the Tournex a valuable choice for new entrance designs and provides a stylish and efficient way to update your entrance, ensuring they align with your building's latest aesthetic trends.

Revolving doors like the Tournex not only save energy but also maintain a continuous flow of people, enhancing both functionality and visual appeal.

SAFETY AND SECURITY

The Tournex is a secure and safe entry solution. It meets rigorous safety regulations and incorporates safety sensors in the door wings and frame to detect users and objects, avoiding any impact. The door's behaviour can be customised to meet your building's specific needs, accommodating various user groups, including trained individuals and those with special needs like children and the elderly.

We offer the following additional safety measures:

- Accessibility buttons
- Contrasting stickers with safety icons on the door wings and curved walls
- Sensors with laser technology
- Block detection
- Emergency stop and / or open buttons

The front entrance to an office, residential, or public building should also include security options. Whether an uninvited visitor is outside the door or the facility manager is locking up for the night, revolving door security options allow for an added layer of protection.

We offer the following additional security measures:

- RC3 Burglar protection package
- Automated or manual locking
- External automatic shield doors (night locking)
- Security lockdown for immediate action

ESCAPE ROUTE

The escape route is one of the primary considerations when considering a building's main entrance. The Tournex comes standard with a rigid doorset but can be specified with a collapsible doorset on both the three and four-wing models. With this option, the door wings can be collapsed to create a clear passage.

When equipped with a collapsible doorset, the Tournex can be installed as an official escape route. In case of an emergency, the doorset can be unlocked, allowing the door wings to fold together and create an open passageway. Please note that the minimum passage widths are subject to local regulations and building specifications.

ACCESSIBILITY

The Tournex offers access for people with disability in both its 3-wing and 4-wing configurations. It allows easy and quick access for large amounts of visitors, including those with wheelchairs, large carts and luggage. Speed control options ensure the safety and ease of use for all individuals.

KEY FEATURES

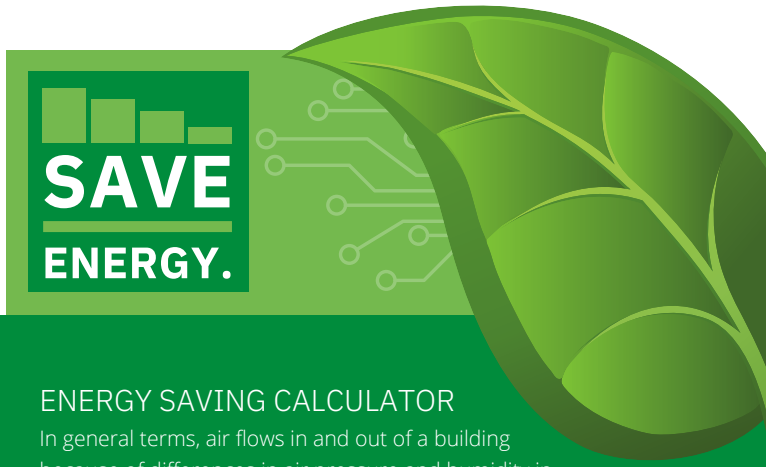
- 3 or 4-Wing configuration
- Doorset with or without showcases
- Wide floor space in doorset segments
- Rigid or collapsible doorset
- Automatic operation
- Extensive safety package for virtually non-contact operation
- Large segment sizes
- Large selection of dimensions

KEY BENEFITS

- Handles high-capacity throughput
- Convenient passage for trollies and wheelchairs
- Automatic operation for touchless entry
- Easy to use and operate
- Consistent user flow
- Highly customisable (extend your brand)
- Sustainable and energy-saving
- Draft-free entrance (reduced air infiltration)

SUGGESTED SEGMENTS

- Retail
- Healthcare
- Airports
- Corporate
- Governmental



A SUSTAINABLE SOLUTION

Revolving doors are energy-efficient, separating conditioned inside air from outside air to prevent draughts, dust, and noise. This reduces energy consumption, costs, and carbon footprint.

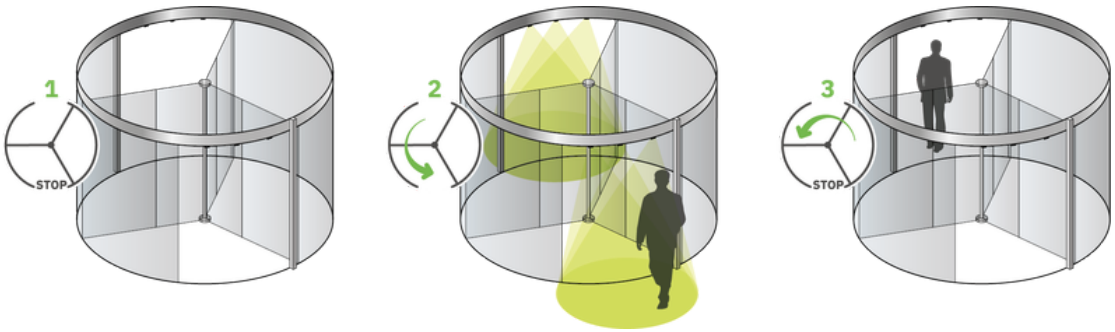
At Boon Edam, we are proud of what we have achieved over the past 150 years. We strongly believe in building a sustainable future and preserving the earth for future generations. We constantly strive to improve our manufacturing processes and use recycled or recyclable materials wherever possible - this is part of our DNA. Production with minimal impact on the environment is a priority for us. For example, we have reduced the percentage of raw materials to lighten our carbon footprint. More detailed information on each of our products can be used for LEED certification processes - speak to your entry expert for the full story.

ENERGY SAVING CALCULATOR

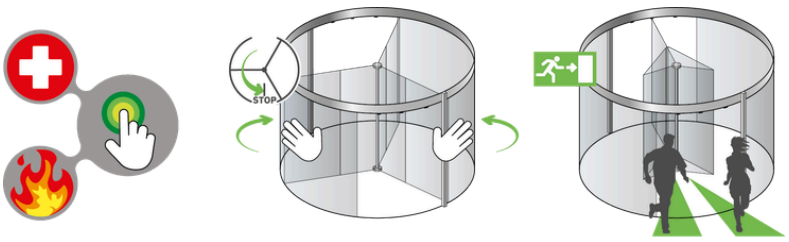
In general terms, air flows in and out of a building because of differences in air pressure and humidity in what is known as the stack effect. In the winter, heated air rises toward the top of a building, and as long as there are any openings on the ground floor, cold air rushes in to replace the heated air. The opposite happens in the summer, with the cold air flowing out the front doors. In addition, air flows through the building when doors, vents or windows are open; this is known as a wind tunnel effect. Regular foot traffic through ordinary doors can result in massive air leaks, requiring more energy to maintain the interior climate.

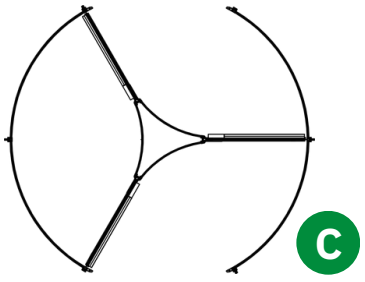
Working closely with the University of Delft, one of the leading technical universities in the Netherlands, Boon Edam has developed software that is able to use building-specific data to determine the energy saved by revolving doors compared to swinging or sliding doors.

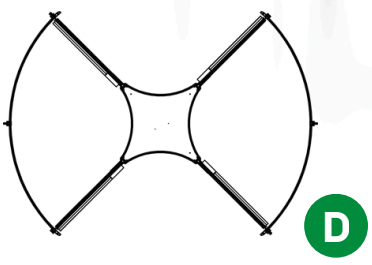
WORKING PRINCIPLE - REVOLVING MODE



WORKING PRINCIPLE - COLLAPSIBLE DOOR SET



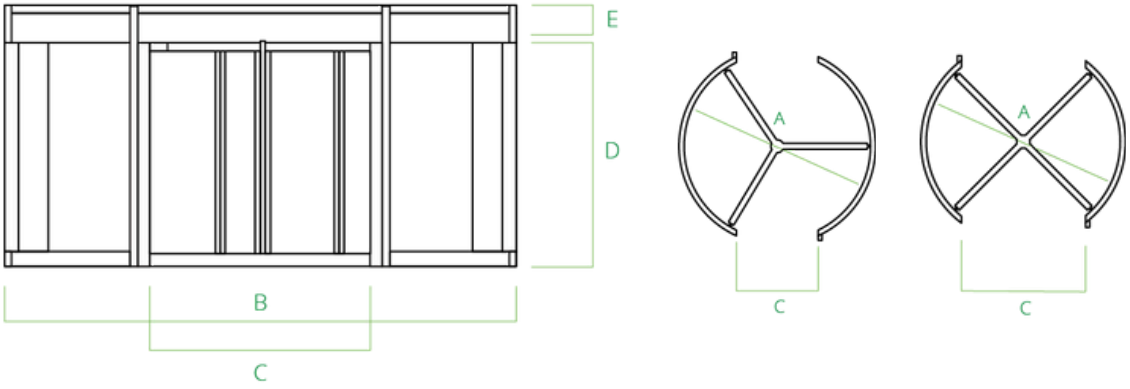




A: 3-Wing collapsible star model
B: 4-Wing collapsible star model
C: 3-Wing collapsible with showcase
D: 4-Wing collapsible with showcase

DIMENSIONS

From door diameter to height and various physical measurements, we fine-tune every detail to create your desired look that complements the surrounding building elements and location. Achieve a fluid and harmonious aesthetic that is uniquely yours.



A Internal Diameter (mm)	No. of Door Wings	Max Persons per Segment *	Theoretical Capacity / Minute*	User Type	Escape Route**	**B** Installation Width (mm)	**C** Throat Opening (mm)	**D** Height Under Canopy (mm)	**E** Canopy Height (mm)
3600	3	3	2x36		•	3740	1570	2200-2600	300-1200
3600	4	2	2x32		•	3740	2356	2200-2600	300-1200
4200	3	5	2x51		•	4340	1870	2200-2600	300-1200
4200	4	3	2x41		•	4340	2780	2200-2600	300-1200
4800	3	6	2x54		•	4940	2170	2200-2600	300-1200
4800	4	5	2x60		•	4940	3240	2200-2600	300-1200
5400	3	8	2x65		•	5540	2470	2200-3600	300-1200
5400	4	6	2x65		•	5540	3629	2200-3600	300-1200
6000	3	10	2x72		•	6140	2770	2200-2600	300-1200
6000	4	8	2x77		•	6140	4053	2200-2600	300-1200
7400***	3	15	2x91		•	7540	3470	2200-2600	300-1200

* Max persons per segment and capacity figures are theoretical and based on the star model and the max. number of persons per segment in a continuous flow.
** Only with collapsible doorset option. Requirements are subject to local regulations.
*** Available only in aluminium finish

SO MUCH MORE

The Tournex offers many ways to be fine-tuned to ideally fit your project. The above table is merely an overview of what is possible with this flexible high capacity revolving door. Please speak to your entry expert to find out more about putting your stamp on your Tournex.

Option SELECTOR

The design of a building's entrance is crucial in creating a memorable first impression. At Boon Edam, we collaborate with architects and contractors to help them make optimal choices that align with each project's unique specifications. With the Tournex revolving door, you can customise your entrance to fit your specific goals.

PUT YOUR STAMP ON IT

The Tournex offers a range of finishes and colour options to suit your preferences. From powder-coated aluminium in various colours to wooden finishes for a classic retro look or stainless steel and mirror finishes for a modern or futuristic appearance, there are choices to reflect your style.

Our standard specified products come in different heights, widths, canopy heights, and clear passage heights, providing flexibility to meet diverse design, safety and security needs. If your requirements extend beyond the available options, our experienced sales managers and engineers will collaborate with you to create a safe and sustainable entrance just for you.

NOTE: Several option combinations can impact the throughput capabilities and integration with the building's structure. Therefore, we recommend that you discuss your needs with a Boon Edam entry expert.

You can select options in any of these areas:

THROUGHPUT

- Diameter (mm)
- Number of door wings

SAFETY

- BoonAssist
- Fire alarm connection
- Additional emergency stop button
- Emergency open button
- Accessibility button (push-to-slow button or barrier-free)
- Contrasting stickers on curved walls
- Full width safety sensors
- Collapsible doorset for escape routing
- Voice module

AESTHETICS

- Canopy height (mm)
- Height under canopy (mm)
- Material / finish (stainless steel, brass or aluminium)
- Coating / surface treatment (powder coating, Analok or anodised)
- Glass decals and / or branding
- Glass type
- Canopy cover finish
- Showcases around central column
- Position (mid-post / interior / exterior)

SECURITY

- Burglar-resistance package (RC2, RC3)
- Automated doorset locking
- Shield door locking (manual)
- Security lockdown
- Glass protection sheet
- Security glass options (P2A, P4A, P5A or P6B)

TECHNOLOGY

- External control panel
- Array of configurable I/O contacts for BMS integration
- Smart lighting control

COMFORT

- BoonAssist
- LED lights
- Air curtain
- Floor mat
- Matwell trim

SERVICE AND MAINTENANCE

- Service agreements and maintenance
- Technical support and parts
- Retrofit and upgrades to existing revolving doors
- Operational training

SERVICE AND MAINTENANCE

With millions of visitors passing through an entry every day, continued and reliable operation is vital. Regular service and maintenance can prevent unexpected hardware breakdowns. Our service and maintenance teams worldwide are experienced in understanding the impact of local conditions on the wear and tear of your entry solutions. They can offer specialised service and maintenance contracts tailored to those conditions.

We continuously invest in our in-house technicians and engineers by employing our own fully trained and dedicated service maintenance experts. This ensures that you receive the best possible service, with minimal product downtimes and a maintained high-quality entrance investment.

COMPLIANCE

Boon Edam entrances are trusted solutions that allow organizations 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.

RETROFITS AND UPGRADES

While we are fully confident in the longevity of all our products, we also understand that your own wants and needs can change over time. Between newer technologies, the need to adhere to new rules and regulations, or even just to give your building a new lease of life, we understand that it's important to have the flexibility and resources available to ensure your building's entrances always meet not only your needs but your staff and visitors needs too.

That is why we are proud to offer a range of upgrade and retrofit services, all designed to keep your entrance up to date and equipped to tackle the everyday.

OUR REACH **IS GLOBAL.**

We have been in business for over 150 years manufacturing premium aesthetic and security entrance solutions in the Netherlands, United States of America and China. We can confidently say that we cover every corner of the globe with subsidiary companies in major cities across the globe. Furthermore our global export division not only partner with our distributors, but also offer direct sales and service to every territory. This wide net allows us to have a strong global footprint as well as a personal grasp of local markets and their unique entry requirements.

To find your closest Boon Edam expert, please go to:
www.boonedam.us/contact

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