

**BOON EDAM**  
YOUR **ENTRY** EXPERTS.



  
**TOUCHLESS.**  
ENTRANCE SOLUTION

HIGH LEVEL SECURITY

# TOURLOCK 180.

THE **HIGH THROUGHPUT** SECURITY REVOLVING DOOR





## OVERVIEW

The Tourlock 180 is an automatic, four-winged high security revolving door. This technologically advanced door allows bi-directional traffic, which allows authorized users to enter and exit a building at the same time. Authorization via a signal from an access solution control system, such as a card reader or biometrics device, sends a signal and on acceptance only, the door will begin to rotate. Tailgating and piggybacking are accurately detected and, depending on your level of required security, additional options can be added to decrease these risks even further.

## PREVENT PIGGYBACKING AND TAILGATING

The Tourlock 180 comes with an array of possible security packages ranging from tailgating prevention up to piggybacking prevention. For those looking for the highest level of security, an overhead sensor system called StereoVision® is available. Integrated into the ceiling of the Tourlock 180, StereoVision's smart sensor based "time of flight" technology creates accurate 3D images of the person in the door and can determine whether they are alone or not (detects both tailgating and piggybacking).

## MANAGES BUSY AREAS

With the global population on the rise and the trend for skyscrapers growing – it is important to have a security entrance that can manage a high volume of people entering and exiting. The Tourlock 180 offers automated, simultaneous bi-directional traffic and can allow for up to 20 users to pass through the door (in each direction) per minute. The door comes standard in a fail-safe mode which unlocks the center shaft during a fire alarm and allows the door wings to be freely rotated or, if pushed with enough force, collapsed to allow free egress.

## TOUCHLESS OPTIONS FOR A NEW WORLD

The ability to integrate a large variety of secondary security technology with our Tourlock 180 is the ideal way to fine-tune your entrance by 'Levelling Up' on security options for increased protection. For instance, optional biometric authorization systems enable a completely touchless experience while verifying identity. There is no need to reach for an authorization card or tag.

## KEY FEATURES

- Prevents tailgating (unauthorized user entering in the trailing compartment)
- Optional StereoVision system prevents piggybacking (unauthorized user entering in the same compartment)
- Seamless integration with access control and biometric devices
- Onboard user communication system
- Supports high simultaneous, bi-directional traffic
- BoonConnect software platform for easy diagnostics

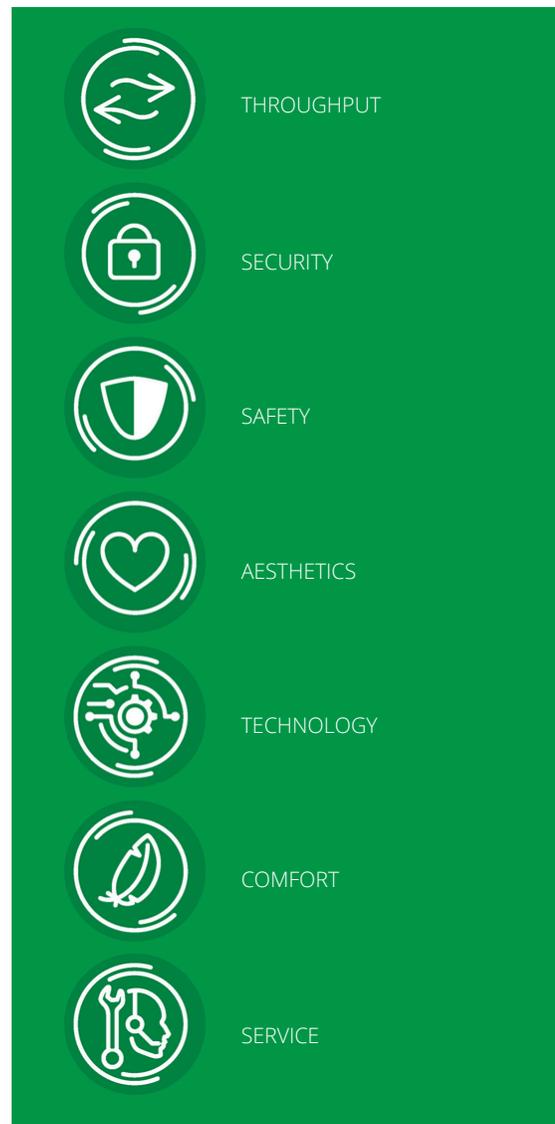
## KEY BENEFITS

- Reduced / eliminated guard salary allows for quick ROI
- Effectively accommodates traffic levels at peak periods
- Accelerated technical troubleshooting and automation for increased reliability

## SUGGESTED SEGMENTS

- Financial
- Technology
- Data centers
- Insurance
- Pharmaceutical
- Petrochemical
- Government / military
- Class A office buildings
- Airports

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 Tourlock 180.



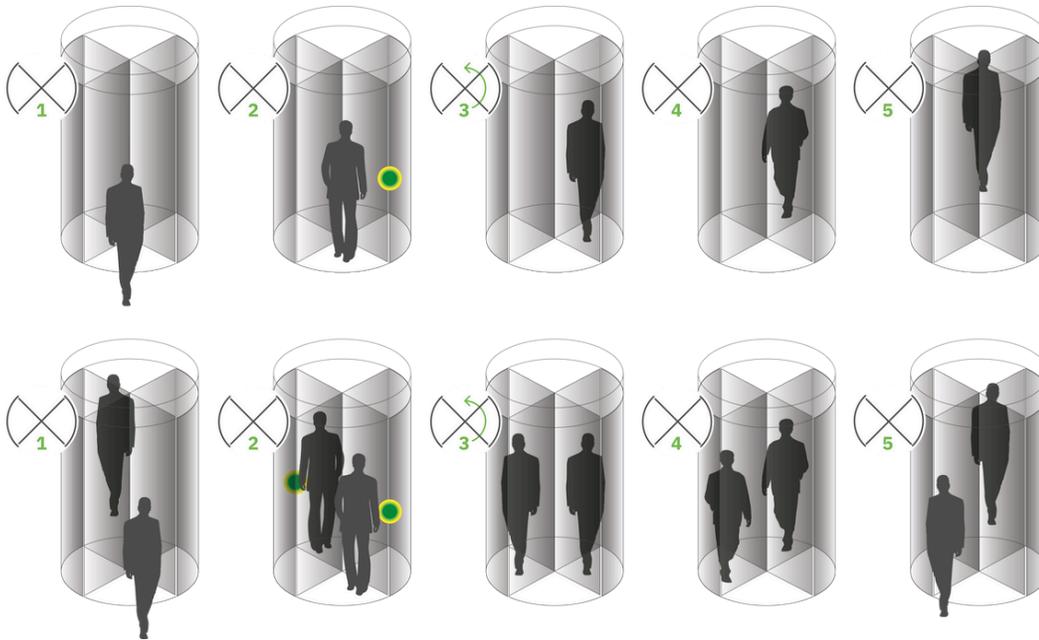
*\*Showing model with optional features.*

## TECHNICAL SPECIFICATIONS

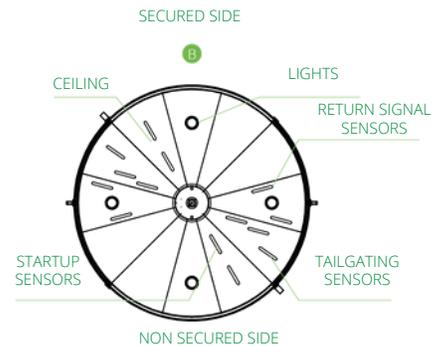
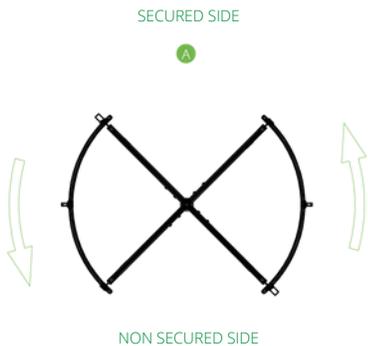
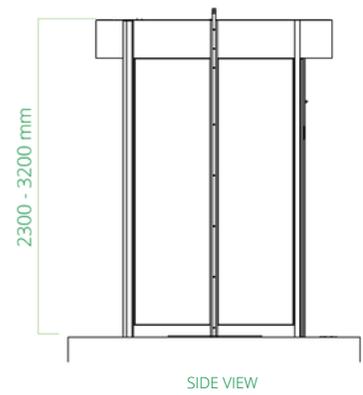
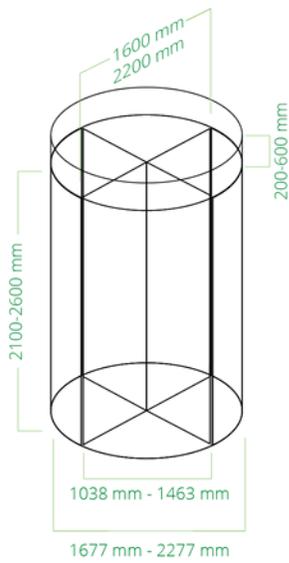
 THROUGHPUT	MOST POPULAR	VARIATIONS
Throughput	18 People / minute in each direction	
Diameter	1800 mm	1600-2200 mm in increments of 200 mm
Height	2200 mm	2100 - 2600 mm in increments of 100 mm
Canopy Height	200 mm	200 - 600 mm in increments of 100 mm
Throat Opening	1191 mm	1048, 1332, 1474 mm
Number of Doors / Wings	4	
Flow	Bi-directional, simultaneously	
 SECURITY	MOST POPULAR	VARIATIONS
Tailgating Detection	Overhead sensor system	-
Piggybacking Detection*	Weight system One-way detection (on entry)	StereoVision Two-way detection (entry and exit)
Biometric Authorisation	-	Facial recognition system
Night Locking	-	Mechanical lock on doorset Night locking doors
 SAFETY	MOST POPULAR	VARIATIONS
User safety	SRB, SRD, SRT safety buffers	Emergency stop button, EBS safety sensor Collapsible doorset for escape routing
Operation in case of power failure	Fail safe	Fail secure - Pull release to unlock doorset from secure side
Operation in case of Fire Alarm	Configurable to release the Tourlock brake	
Protection Packages	Vandal resistant safety glass (P2A)	Burglar resistant RC3 package Bullet resistant package with BR4NS glass
 AESTHETICS	MOST POPULAR	VARIATIONS
Material	Power Coated Aluminium	Anodizing, stainless steel, brass
Glass Panels	Glass decals	Tinted and low iron glass options
Wrapping / Branding	-	Glass decals with logo
 TECHNOLOGY	MOST POPULAR	VARIATIONS
Power Supply	110 - 240 V, 50 - 60 Hz	<b>INTEGRATION OPPORTUNITIES:</b>
Operating Power	100W	<ul style="list-style-type: none"> <li>• BoonTouch external control panel</li> <li>• Card and tag readers</li> <li>• Mobile / Bluetooth readers</li> <li>• Facial and iris recognition</li> <li>• Touchless fingerprint and vein readers</li> <li>• Free-out sensor activation</li> </ul>
Operating Temperature	-15°C to +50°C	
Weight	900 kg	
Access Control	I/O Dry contacts for virtually any access control system	Card reader mount
 COMFORT	MOST POPULAR	VARIATIONS
Lighting and Sound	4x LED ceiling lights	Voice module Customised lighting possible
Operating Modes	Cleaning mode	Revolving mode and medium/high security mode switch

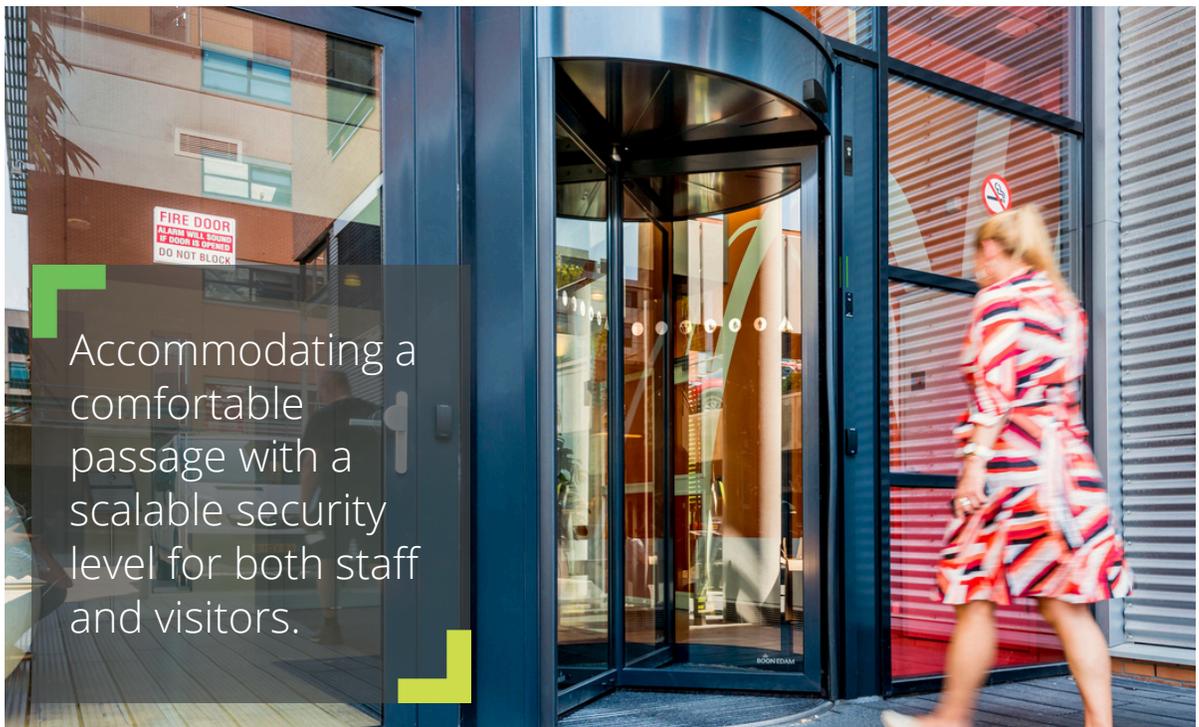
\*Piggybacking detection is an added option on the standard model.

## 6 WORKING PRINCIPLE



## TECHNICAL DIMENSIONS





Accommodating a comfortable passage with a scalable security level for both staff and visitors.

### SERVICE AND MAINTENANCE

With hundreds or thousands of visitors passing through an entry every day, continued and reliable operation is vital. Regular service and maintenance can prevent unexpected hardware breakdowns. Boon Edam's service and maintenance teams across the world are experienced in the effects the local conditions have on the wear and tear of your entry solutions and can offer specialised service and maintenance contracts that correspond to those conditions perfectly.

### COMPLIANCE

Boon Edam security 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 the strict criteria required in all our countries. We are always improving and always committed to making sure our products are compliant and certified. More information can be found on our website under 'Our Responsibility'.

#### **The Tourlock 180 complies with the following standards:**

- UL 325 & 2593
- CSA C22.2



# OUR REACH IS GLOBAL.

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We have been in business for 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](http://www.boonedam.us/contact)



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