

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

DETER UNAUTHORIZED ENTRY

# TURNLOCK 150.

NOW AVAILABLE WITH THE BE SECURE OVERHEAD DETECTION SYSTEM





## OVERVIEW

Whether at a university, transit terminal, or manufacturing facility, the Turnlock 150 is capable of deterring unauthorized entry. Traffic flow is two-way, in one direction at a time; users must stop and wait their turn before proceeding through the turnstile. With a variety of choices when it comes to the number of rotors and the option to create a space-saving, double-entry solution – this turnstile remains a best-seller within the product range.

## SILENT, SECURE AND SUSTAINABLE

The beauty of the Turnlock 150 full height turnstile is that it can be used indoors or outdoors. The entrance operates silently in a reliable way and can be integrated with virtually any access control systems to allow only one person per authorized credential. Its tall stature is also a deterrent against casual attempts at intrusion. The low noise and low energy consumption make this a sustainable choice for the environmentally aware security manager.

## CONTROL YOUR ACCESS. STEP UP YOUR SECURITY LEVEL

The Turnlock 150 has the option of a universal access control panel known as BoonTouch. This feature allows remote operation and management of the secure entry point from a reception or security desk at the push of a button. This user-friendly interface allows each entry to be operated individually or simultaneously – as the situation demands and shows any security breach instantly. The control panel can operate any combination of up to 6 security access solutions and is compatible with most of the solutions in our product range.

## KEY FEATURES

- Premium, aluminum finish
- Heavy-duty construction
- Smooth rotation
- Easy installation and field-configurable
- Mechanical or electrical operation
- Multi-functional unit for various applications
- Additional flexible options available to fine-tune or 'Level Up'



## KEY BENEFITS

- Aesthetics suit both indoor and outdoor applications
- Capable of operating under abusive conditions
- Minimal maintenance
- Low energy consumption
- Quiet operation
- Easy to re-configure in the field

## SUGGESTED SEGMENTS

- Manufacturing
- Industrial
- Education
- Transit terminals
- Leisure / recreation
- Corporate offices



## PUTTING THE POWER BACK IN YOUR HANDS

One size does not fit all, and that is why we at Boon Edam believe in offering modular solutions. This approach allows the security professional to design a tailored entrance solution that balances security and safety with aesthetics.

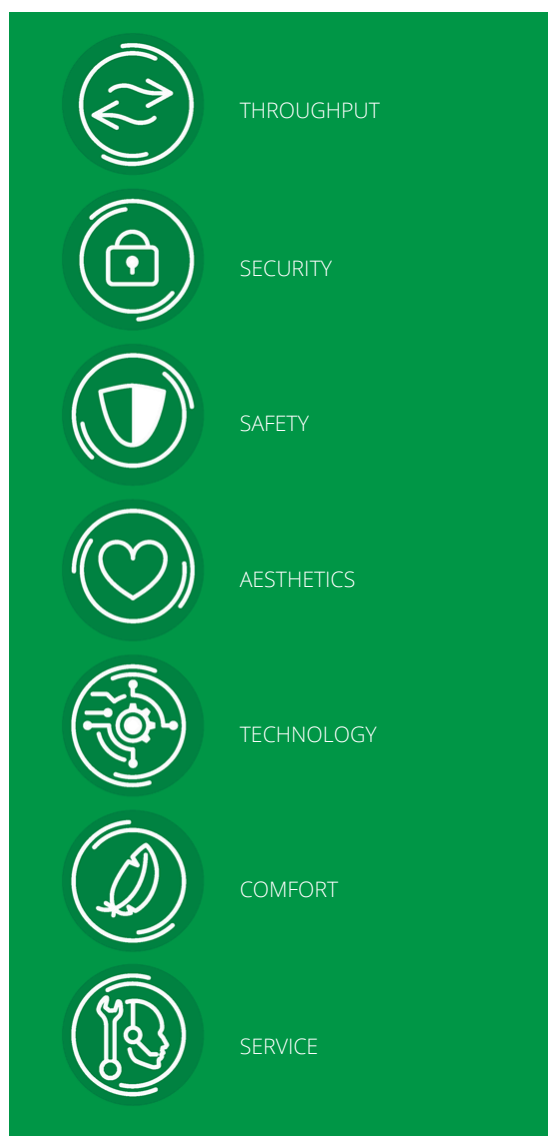
The result is a unique entrance that fits the needs of each industry, application and individual company. To get started, choose from an array of quality standard options. Then, 'Level Up' where it matters most to your company – whether that be in terms of throughput, security, safety, aesthetics, technology or user comfort – or a combination of each. A modular solution approach truly puts the power back into your hands - the power to create a refined entry with ease.

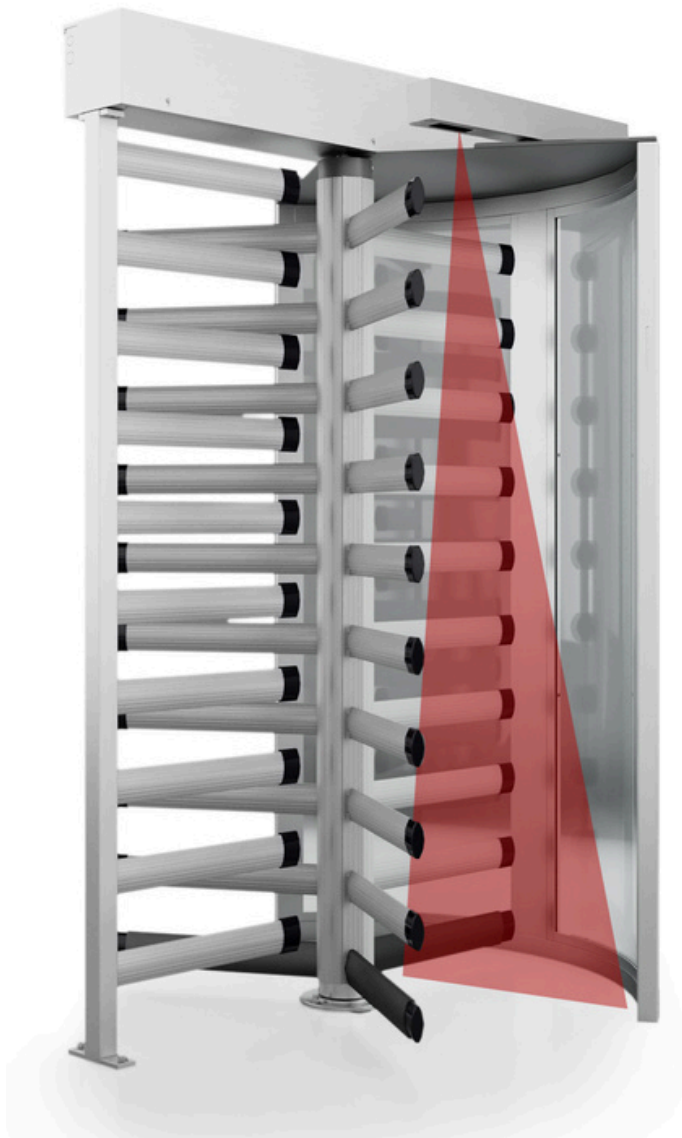
## SCALABLE FLEXIBILITY IS THE FUTURE

The ability to integrate a large variety of secondary security technologies into our full height turnstiles is the ideal way in which to fine-tune by 'Leveling Up' their entrance security when increased protection is required..

Meeting your security goal easily and within your budget is the reason why we work together with you to ensure that by using these options, you end up with a product that outperforms the others safely, beautifully and profitably.

**You can level up in any of these categories:**





## PATENT-PENDING OVERHEAD DETECTION SYSTEM

Full height turnstiles have been available for years as a means of deterring unauthorized entry due to their robust design and the fact that they remain locked for inbound traffic until unlocked by either an access control system or a remote guard push button. One of the limitations of traditional full height turnstiles lies with their inability to detect when two people try to enter the same compartment on the turnstile using one credential, nor prevent this from happening.

The new, patent-pending BE Secure overhead detection system is a solution to this limitation. It is available as an option for Boon Edam Turnlock Full Height Turnstiles. Both models, the Turnlock 100 and the Turnlock 150, can be ordered with the BE Secure overhead detection system installed as a factory supplied option and a field retrofit kit. For the Turnlock 200 model, it is only available as "Special Request" from the factory on new shipped products.

A variety of surface finishes are available to match your turnstile including black powder coat, #4 brushed stainless steel, and clear aluminium anodized color.

The anti-piggyback overhead detection system utilizes Time-of-Flight measurement principles (TOF) combined with artificial intelligence (AI) Algorithms.

A sequence of images (3D image streaming) is evaluated within the sensor and distinguishes three states:

- Detection Area Free
- One person passes the detection area
- More than one person in the detection area.

The BE Secure overhead detection system also has a "walk-away" sensor that determines if an authorized user did not pass through the turnstile after receiving authorization. This feature really helps with knowing who is in your building or on your property. It also prevents another person from entering if the authorized person stepped away from the turnstile after receiving authorization.

## TECHNICAL SPECIFICATIONS



### THROUGHPUT

#### STANDARD

#### LEVEL UP OPTIONS

Throughput	15-20 People per minute	Tandem: 2x 15-20 people per minute
Diameter	1524 mm / 60"	Tandem: 2441 mm / 96"
Top Channel Height	203 mm / 8"	Tandem: 203 mm / 8"
Overall Height	2262 mm / 89"	Tandem: 2262 mm / 89"
Passage Width	645 mm / 25-3/8"	Tandem: 2x 625mm / 2x 25-3/8"
Flow	Bi-directional, one direction at a time	Uni-directional, one-way only



### SECURITY

#### STANDARD

#### LEVEL UP OPTIONS

Access Control Integration	Dry contacts for virtually any access control device	
Key Switch Panel	Manual key override (entry, exit or both) for remote locking/unlocking of turnstile	Electric key override



### SAFETY

#### STANDARD

#### LEVEL UP OPTIONS

Fail Safe Operation	Lock and motor both disengage in the event of a power failure	Fail secure: lock and motor remained locked in the event of a power failure
Fire Alarm Connection	Emergency egress settings depending on local regulations and or customer request	
Heel Protectors	Eliminates heel contact during passage	



### AESTHETICS

#### STANDARD

#### LEVEL UP OPTIONS

Frame Material	Anodized aluminum	
Frame Color	Clear anodized aluminum	Black, champagne or bronze anodized aluminum
Curved Wall	Single shield, clear polycarbonate	Dual shield (both sides of unit have curved walls)
Finished Rotor Cover	Extruded covers create a seamless center rotor shaft	



### TECHNOLOGY

#### STANDARD

#### LEVEL UP OPTIONS

Power Supply	110-240 VAC, 50 / 60 Hz	<b>INTEGRATION OPPORTUNITIES:</b> <ul style="list-style-type: none"> <li>BoonTouch external control panel (up to 6 lanes)</li> <li>Metal detection and passageway</li> </ul>
Operating Power	60W	
Operating Temperature	-4°F to +131°F	
Weight	360 kg / 800 lbs	Tandem: 640 kg / 1200 lbs
Top Channel Protection	Enclosure is IP56 rated to protect electrical components from outside elements	
Card Reader Mount		Mounting box on end post
Battery Backup		Extends life for 4 hours after power loss



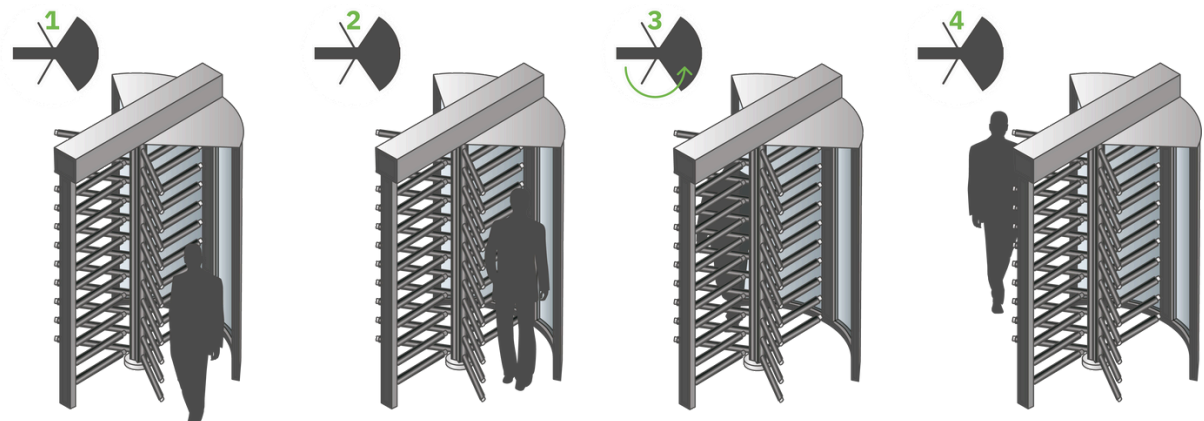
### COMFORT

#### STANDARD

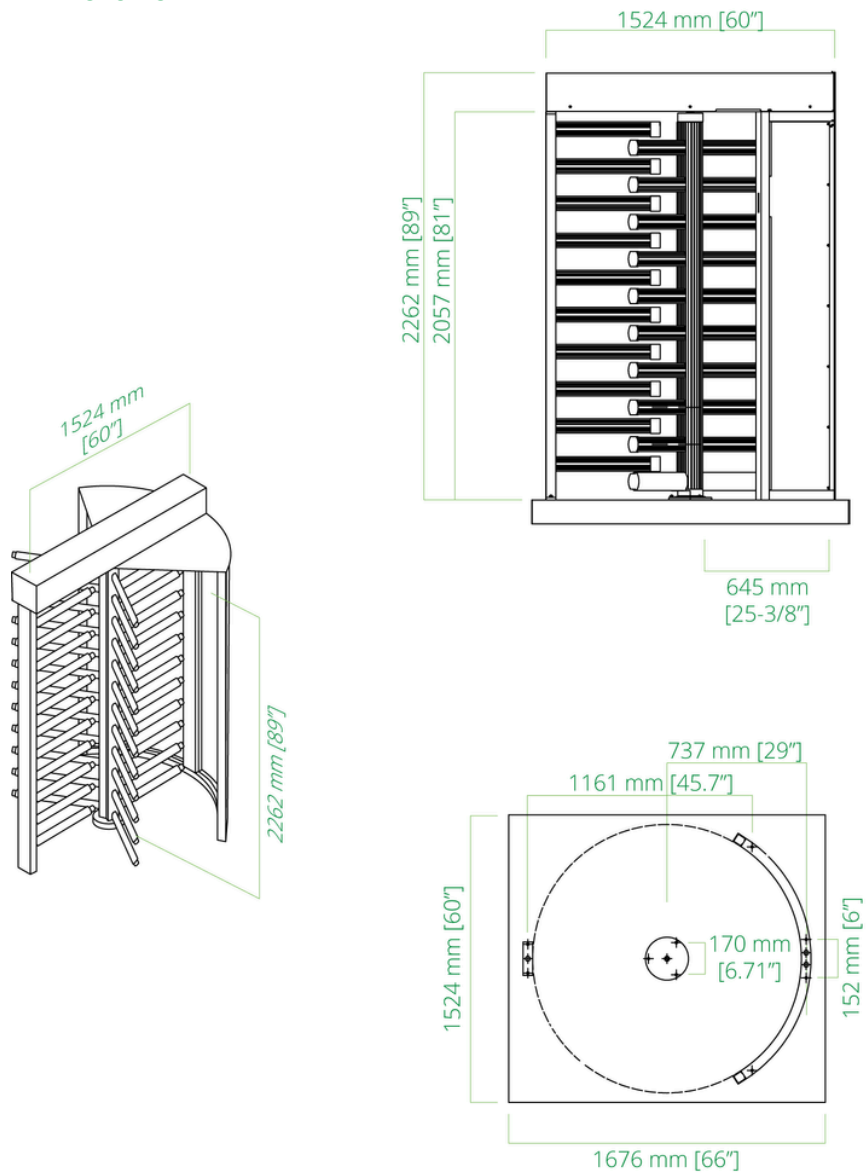
#### LEVEL UP OPTIONS

Disabled Access		Turnlock Side Gate with 915 mm / 36" passage width
Visual Cues	Indicator lights on side post turn from red to green upon authorization	

# WORKING PRINCIPLE



# TECHNICAL DIMENSIONS





## 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 specialized service and maintenance contracts that correspond to those conditions perfectly.

## COMPLIANCE

The goal of an organization is to safeguard the valuable assets inside – both people and property. As is often the case, industries must comply with relevant local and global laws, policies and regulations, to achieve the important goal of overall safety and security. Failure to meet the appropriate measures and criteria set out in these regulations could result in catastrophic incidents and substantial fines.

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 Turnlock 150 complies with the following American standards:**

- UL standard 294
- CAN/ULC standard S319



# 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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