

ASSA ABLOY

Our Revolving Doors Collection

ASSA ABLOY
Entrance Systems

assaabloyentrance.com

Experience a safer
and more open world



Impact in every spin



Time doesn't fly: it turns

The four-decade anniversary of revolving doors at ASSA ABLOY is a significant milestone for us. We're proud of this journey that has gifted us knowledge and experience – leading to a revolving door range that feels more sleek, elegant and intelligent than ever before.

From the very beginning, the refined style of our doors has charmed both the general public and countless industry experts. While our Besam origins have been instrumental in shaping our identity, we have consistently adapted to evolving times, updating and improving our doors to meet the market's evolving needs, as well as maintain our own internal standards.

Today, our commitment to excellence takes form in our continuous efforts to enhance the design, functionality and user experience of our entire revolving door collection – making us the preferred choice for discerning customers across different industries.

As we reflect on the past four decades, we're grateful most of all for the trust and support of our customers, partners, and employees: all who have been instrumental to our success. And our most important birthday wish? To continue our journey with the same passion, dedication and service-mindedness that have defined us for the past forty years.





Discover
our new
collection

Impact in every spin

First impressions are everything. Your building's main entrance sets the tone for your visitors' entire experience – so it's essential to get its visual appeal, ease of use and overall atmosphere just right.

The perfect entrance system needs to meet essential functional requirements to achieve seamless passenger flow, an improved indoor climate, noise reduction and the highest levels of security and reliability.

But functionalities are only the first step. Blending design and function with unique architectural features that leave a lasting impression on all who see them: this is where our revolving doors stand out.

Carefully crafted to meet each customer's specific needs, and manufactured to create the perfect entrance for sophisticated spaces: this is what gives our revolving doors their true impact.

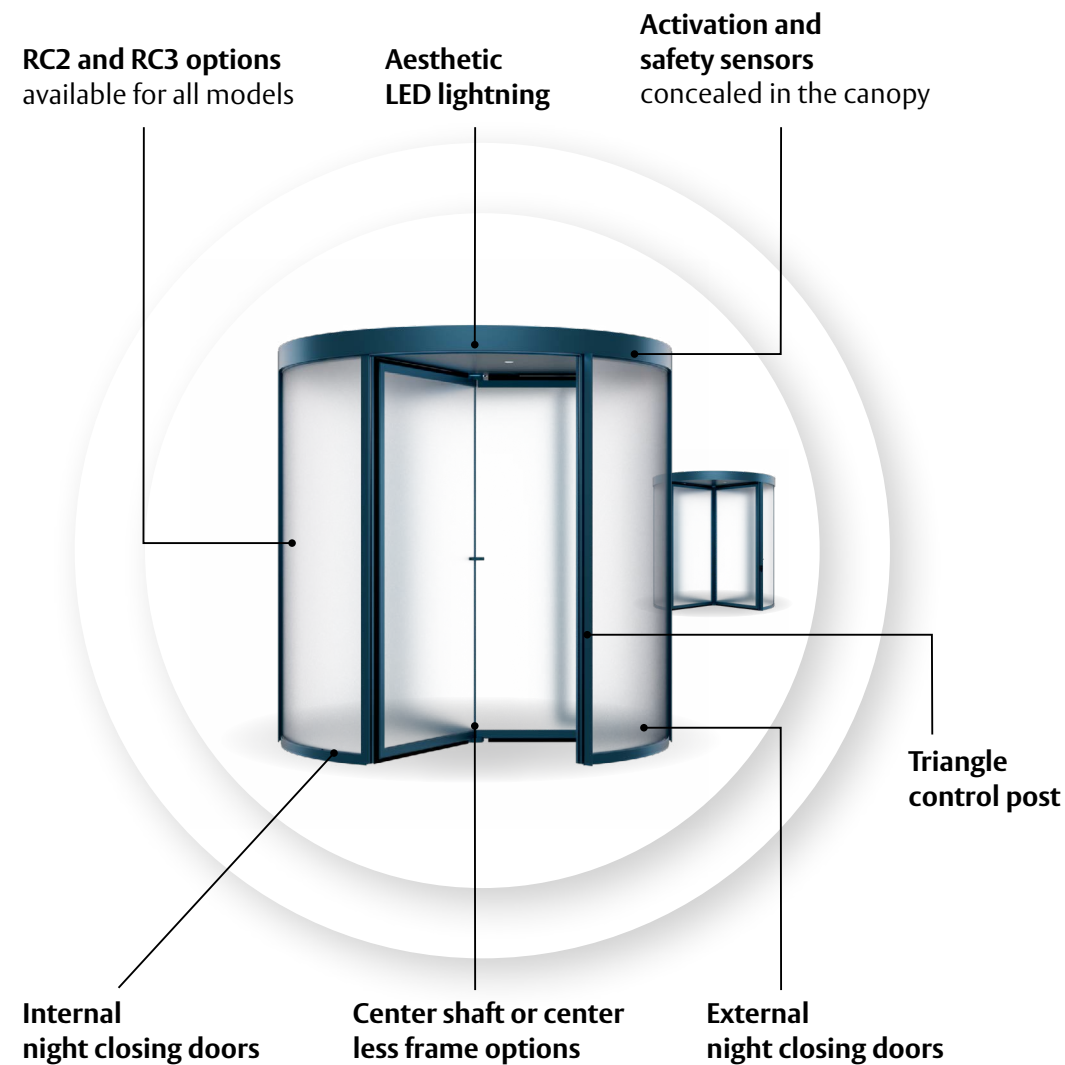
Even though it's not the largest element of your building, a revolving door can significantly impact its overall functionality and aesthetic. When constructing a building, attention is usually directed towards material costs (such as facades, floors, and roofs); however, your carefully selected entrance solution will also profoundly affect your building's visitors. By choosing a revolving door for your entrance, you're opting for a safer, more sustainable, reliable and aesthetically pleasing solution.

It's vital for your revolving door to align with your vision, your clients' requirements and your end users' needs. Luckily, our customized solutions cater to the widest range of options and possibilities, providing optimised solutions for each and any location. Beginning with an initial brainstorming session, we work with you throughout the process of selecting your chosen revolving door – including final installation and servicing – to make sure that your new door is tailored to your specific requirements.

Want to find out more? Our team of experts would be delighted to help you select the best revolving door solution for your project.



Find out more on the
ASSA ABLOY Revolving Door
product page



More for the spin

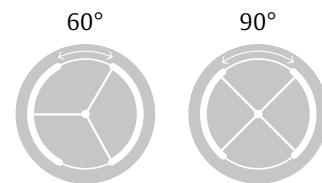
We design each of our revolving doors to be practical, convenient and extremely secure. With many different options for three- and four-wing revolving doors, this design is easily flexible enough to cater to your specific needs.

From escape route opening to night shields and burglar-resistant glass, our revolving doors provide you with several innovative solutions that prioritise your safety and comfort.

Our three-wing doors offer your more space in their individual compartments and weigh less, making them easier to enter (for both manual and automated versions), while our four-wing doors let multiple people enter and exit your building simultaneously with their wider entrance and exit areas, as well as protecting it even better from draughts, noise and external climatic influences (thanks to their expanded sealing mechanism).

One thing that's equally fundamental for both our three- and four-wing revolving doors, however, is access control. Our state-of-the-art turnstile mechanism prevents

unauthorised entry attempts with a concealed rod lock system and floor locking device (for fine-framed turnstile doors), as well as anti-burglar glass and night shields. All of our revolving doors also come with pre-installed sensors or push buttons to prevent unintentional trapping.



Our three-wing revolving door features three rotating compartments that provide a spacious environment for people to enter and exit the building. By contrast, our four-wing revolving door comprises four rotating compartments, which offer slightly less space but allow for a wider entry and exit area.

Here's what you should know...

...if you're an architect:

Revolving doors create excellent first impressions. In terms of design, they function as a focal point and establish a balanced view of the structure.

That's why choosing the right type, size and color of your revolving door is important: to balance the facade's appearance and enhance the overall look of the building.

You can even use the door to make a statement – all while reducing the amount of debris, moisture and dirt entering your building, as well as keeping it safe and secure. Use your access to ASSA ABLOY Entrance System's BIM object library, with detailed 3D models and specifications for all our models, to streamline your design process and collaboration with other stakeholders. Enhance the appearance of your building with a revolving door specially designed to meet your needs: both inside and out.

Access to AAES BIM object library with 3D models and specifications for all models.

...if you're a contractor:

As you know, revolving doors are a critical component in enhancing the functionality, energy and aesthetics of buildings. And we know that, as a contractor who specializes in their installation, you prioritize several key factors when it comes to choosing the door itself: from specifications and quality to installation, delivery, price points... Making sure all these different factors are in place is a meticulous process, necessary to guarantee optimal functionality.

We also recognize the importance of high-quality materials and efficient delivery to ensure the smooth and timely installation of the revolving doors.

Finally, if you're keen to provide the best solutions that are within the budget of your clients, then we have good news: our attention to these details ensures that they'll receive the best possible service, and that their buildings will be equipped with the most perfectly fitting revolving doors.

...if you're a building owner:

Form and function are equally important when it comes to choosing your perfect revolving door.

While different factors like capacity options, estimated people flow and general usage patterns will play a vital part in your selection, it's also vital for your chosen revolving door to make a statement: enhancing your building's facade and creating the best first impression on your visitors.

Luckily, we have a wide variation of revolving doors and personalisation options to fit even your most ambitious vision, while not compromising on other essentials such as energy impact, air draft elimination, downtime and maintenance forecasts or top-notch access control.

Fortified with RC2/RC3 glass and internal/external night closing options, our revolving doors will make sure your building not only looks stylish and elegant – it will keep your guests and staff safe and secure too.



Green building starts at the door

We all have the power to make a positive impact on our world. By taking the needs of your clients and future guests into account, you'll create buildings that not only meet their requirements, but also contribute to a secure and sustainable future. Each decision you make about your building's design, layout and indoor climate will have a significant effect on the well-being of all your building's staff and visitors – as well as the amount of energy you save. We're here to support you in embracing this power and creating buildings that make a lasting impression – and offload our planet at the same time.



Improved
indoor
well-being

Lower
energy use

Less CO₂
emissions

Whether you're an architect, a contractor or a building owner, you know how important it is to create an impressive entrance for your building – one that offers maximum transparency and security at the same time. It's what your customers expect, and what sets your building apart.

Your building's entrance area is like its face: the first thing people notice and experience when they enter your lobby. So it's vitally important to create a welcoming, comfortable indoor climate that your visitors will appreciate. Revolving doors can significantly reduce the amount of draft, noise and dirt that typically occur in entrance areas, making them substantially more inviting and pleasant to use. In addition to this, the clear spatial separation between the inner and outer areas provides a sense of security and privacy that your staff and customers will both value.

Revolving doors have the singular advantage of allowing a continuous flow of people into your building, while preventing too much air getting in with them. The side-hung leaves contain brushes that always remain in contact with the drum walls of the door. This design feature guarantees that cold/warm drafts remain outside, while the conditioned air stays inside. Our research has proved that revolving doors can help reduce energy losses to external areas by 40 percent; this means lower costs for operators and a significantly improved indoor climate for entrance areas, especially those with high people traffic.

If you want to earn BREEAM credits and construct a building that isn't just beautiful, but also environmentally friendly, our revolving doors are the perfect choice. Thanks to the specific types of glass we use, we can optimize thermal comfort and reduce your energy consumption while also ensuring acoustic comfort for your visitors. We can help you create a building that's both sustainable and comfortable for its occupants.

All the revolving doors in ASSA ABLOY Entrance Systems' product offering have Environmental Product Declarations (EPDs). These EPDs provide you with detailed information on the environmental impact, material purchase, energy use and packaging materials associated with each revolving door. Our EPDs also confirm that our doors don't contain any substances that are harmful to the environment or hazardous to your health. We are the only entrance solution provider that holds EPDs (in agreement with ISO14025 and EN15804) for our entire product range.

Available for BREEAM and LEED credibility



The right door
makes all the difference

Our doors – your choice

Manual

The **ASSA ABLOY RD100** revolving door is a premier choice for customers seeking a low-energy, manually operable door solution without compromising on quality.



Compact

The **ASSA ABLOY RD150** automatic revolving door combines the convenience of a fully automatic revolving door with the flexibility of a manually operated door, providing faster access by seamlessly adapting its speed to faster pedestrian traffic.



The **ASSA ABLOY RD200** is a compact revolving door that rotates automatically when activated by motion detectors, meeting the highest security standards and contributing to your building's natural ventilation and energy efficiency.



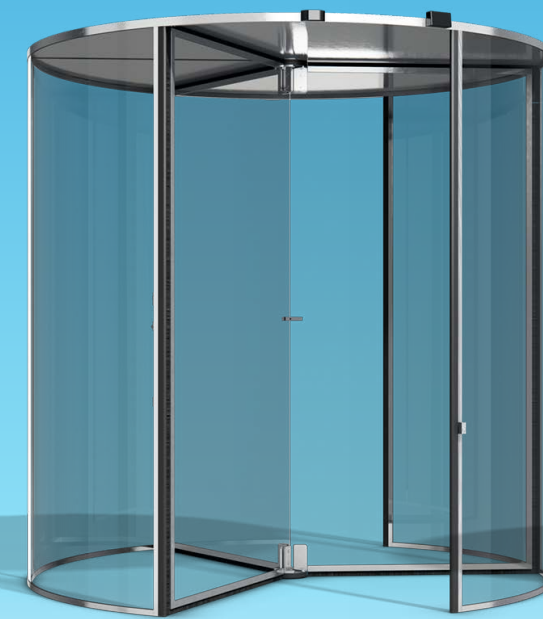
Security

The **ASSA ABLOY RD400** one-way and two-way access control automatic revolving doors provide secure and fully automated entrance control for interior and exterior use with intelligent control for unparalleled security.



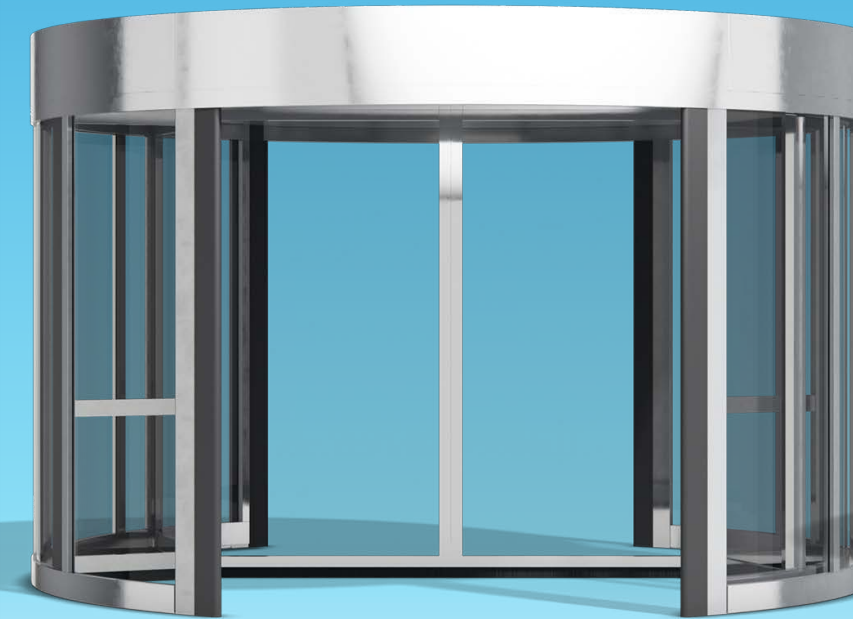
Compact All-Glass

The **ASSA ABLOY RD300** revolving door is a high-tech masterpiece that adds a touch of luxury to any building. This spectacular all-glass door provides a welcoming entrance while safeguarding your indoor climate against unwanted air infiltration. It is versatile and suitable for both internal and external installations.

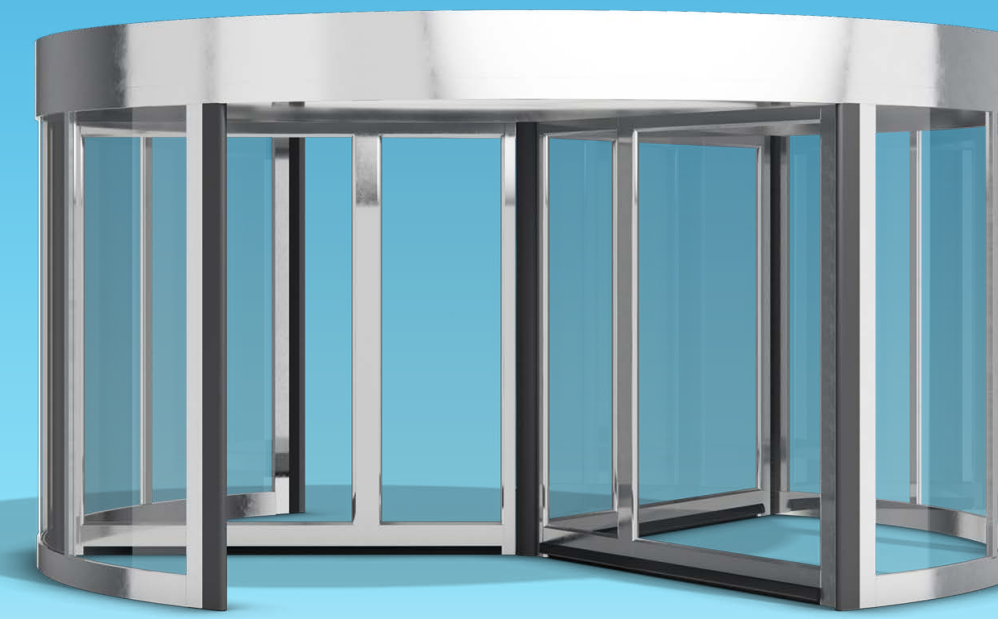


High-capacity

The **ASSA ABLOY RD600** welcomes pedestrians with strollers, luggage, or wheelchairs while maintaining a steady indoor climate with the largest 2-wing revolving door available. The two large compartments of the RD600 offer the widest and safest choice for entrances that need to handle high pedestrian traffic and enable unimpeded access. The shape of the compartments also allows the placement of numerous safety devices in both the horizontal and vertical frames.



The **ASSA ABLOY RD700** is perfect for managing high-volume pedestrian traffic. Thanks to its 3-wing configuration, its large compartments can easily accommodate wheelchairs, luggage trolleys, shopping carts, or groups of people. The RD700 ensures the utmost safety while handling high volumes of pedestrian traffic. During operation, the door will not be affected or interrupted by winds or users pushing the door wings. In emergencies, the doors will be released immediately to allow escape.



Once you select the revolving door that best fits your building's needs, you'll never look back.

Our design-friendly selection gives you the freedom to choose the door that best enhances your building's top qualities, while keeping your staff and customers safe and secure at the same time.

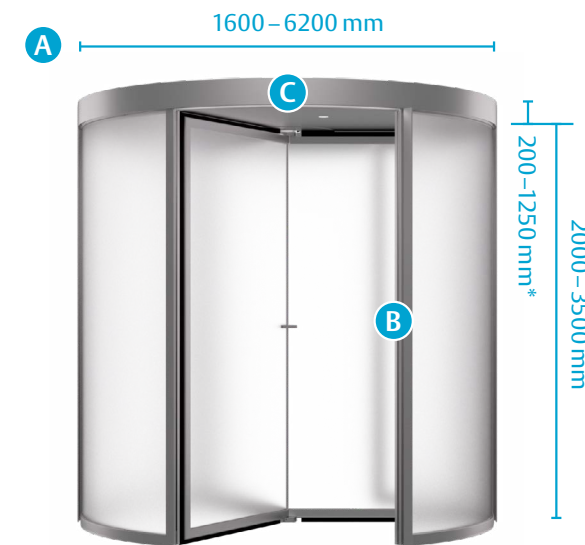
Introducing our stunning range of secure and sustainable revolving doors: the perfect way to elevate the beauty of your building.

Technical specifications & options

Product overview

With so many different people flowing through your facility, providing an entrance which is accessible, safe and convenient to any visitor is essential. Our revolving door portfolio offers a variety of different sizes and specifications, with features such as power assistance, rotation speed control and the adjustable stop-motion of the door to increase safety, accessibility and comfort.

By design, a four-wing door has a wider throat opening than a three-wing door of similar diameter. The wider throat opening is more accessible, increasing user comfort and capacity. In smaller-diameter doors, the throat opening width becomes an influential factor in determining capacity. The two-wing options is used for our high-capacity doors, and come equipped with an automatic middle sliding door.



When you choose a revolving door from ASSA ABLOY, you gain maximum protection against break-ins as well; with our external and internal night closing options, you can easily prevent unauthorized access and restrict staff authorizations from certain areas of your building at different hours of the day.



Dimensions

- A** Internal diameter W = min. 1800 to max. 6200 mm
- B** Clear passage height LH = min. 2000 to max. 3500 mm
- C** Canopy height = min. 200 to max. 1250 mm
*Canopy height for RD600 and RD700 min. 340 mm

Model specifications

RD100 Manually operated with power	1800 – 3000 mm
RD150 Fully Automatic	1800 – 3000 mm
RD200 Fully Automatic	1800 – 4000 mm
RD300 All Glass	1800 – 3000 mm
RD400 High Security	1600 – 2500 mm
RD600 High Capacity 2-wing	3600 – 5400 mm
RD700 High Capacity 3-wing	4200 – 6200 mm

Security and safety

When you select a revolving door from ASSA ABLOY, you get maximum protection against break-ins. And with our external and internal night closing options you can prevent unauthorized access and restrict staff access to certain areas of your building at selected hours of the day.

Night closing doors (NCD)

Internal night closing doors are an additional set of doors mounted on the inside of the outer wall.

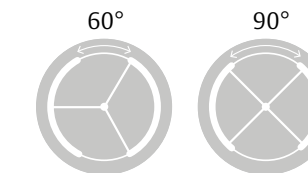


External night closing doors are an additional set of doors mounted on the outside of the outer wall of a revolving door.



Opening

A four-wing door has a wider throat opening than a three-wing door with a similar diameter.



Controlled access

Controlled access for revolving doors limits entry to a building through a revolving door with security measures such as key cards, access codes, or biometric authentication systems. It enhances security by preventing unauthorized entry and allowing only approved staff members to enter the building.

Mechanical and electromechanical locks

We have a range of locking mechanisms available to safeguard your building and meet security requirements. The electromechanical locks installed on NCD and door leaves can be configured as either “fail-safe” or “fail-secure.” We also offer mechanical lock options on NCD or door leaves that can be equipped with ASSA ABLOY’s – Euro or Raydon cylinders.

Glazing (sealing)

Our revolving doors offer different glass options, such as:

- **Clear Glass:** Provides maximum visibility and allows natural light to enter.
- **Frosted Glass:** Offers privacy by diffusing light and obscuring the view.
- **Tinted Glass:** Comes in different shades and reduces sunlight and heat.
- **Low-E Glass:** Improves energy efficiency by reducing heat transfer.
- **Laminated Glass:** Is strong, durable, and impact-resistant.
- **Security Glass:** Resists forced entry, bullet proof, or explosions.

Declaration of conformity

Interdependently tested and certified according to

- EN16005
- EN1627
- 2014/30/EU Electromagnetic Compatibility Directive (EMCD)
- 2006/42/EC Machinery Directive (MD)
- 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment with the applicable amendments (RoHS)
- 2014/35/EU Low Voltage Directive (LVD)
- Harmonized European standards which are applicable
- Standards or technical specifications like IEC



Technical specifications & options

Color options

Stainless steel

- Mirror 8
- Brushed 316
- Ground K240
- Bright Annealed

Anodized

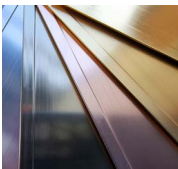
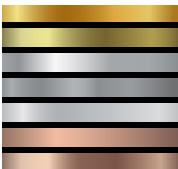
- Silver Anodized
- Champagne HX10 E6-C11
- Dark bronze HX50 E6-C14
- Gold GD30-1 B6-EV3
- Light Bronze HX20 E6-C12
- Medium Bronze HX40 E6-C13

Ral colour

- Matt
- Semi
- Fine

While this overview presents the most commonly used color and material options, but we offer a wide range of additional color and material options so you can choose according to your preferences. We can customize all our doors to meet your specific needs.

Don't hesitate to contact our experienced sales team to show you references and assist you throughout the process.



Button options

Program selector PS-RD (mandatory)

- Flush installed
- On the inside control post
- 1600 mm from the floor level



Emergency stop button (one is mandatory)

- Flush installed
- On the inside control post
- 1200 mm from the floor level



Note! One is mandatory installed on the inside control post. Two can be ordered and installed on the inside and outside control posts.

Emergency opening button

- Flush installed, to release the breakout kit
- On the inside control post
- 1800 mm from the floor level



Push button for disabled

- Flush installed to reduce the rotation speed
- On the door
- 1000 mm from the floor level



Note! Two can be ordered and installed on the inside and outside control posts.

Evacuation button

- Flush installed, to impulse the door if somebody is trapped
- Inside in the door
- 1200 mm from the floor level



Note! Mandatory when electromechanical lock or rotation lock selected.

Air curtains (electrically or water heated) options



Vertical air curtain



Horizontal air curtain with diffuser integrated in the canopy



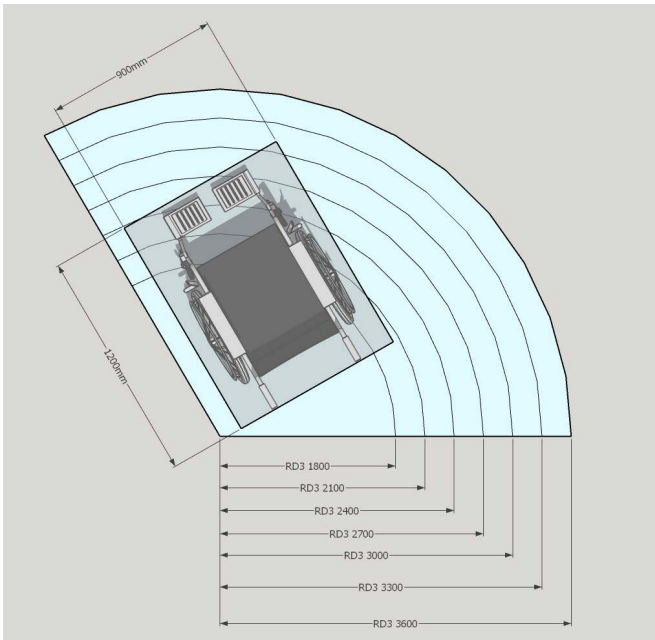
Horizontal air curtain with curved diffuser

Expand your possibilities with our diverse selection of air curtains. Connect with our dedicated sales team.

Local legislations and requirements for wheelchairs

Some countries don't allow wheelchairs to pass through revolving doors and stipulate the need for a side door (usually a swing door or sliding door) instead.

If your local legislation allows wheelchairs in revolving doors, the general recommendation is a three-wing door with 3400 mm diameter but we suggest and advise using a three-wing door with minimum 3600 mm diameter or above.





We know choosing the right revolving door for your business can be a complex task. That's why we've prepared this short guide to help you select the right door for your specific business needs – based on our extensive years of experience.

To help you make an informed decision, here's what you should consider before choosing your revolving door:

- How do pedestrians enter/exit your building? Does this change during peak hours?
- What interior diameter should your revolving door have?
- Do you need a door with two, three or four door leaves?
- Which safety features are crucial for your building?

What's your combination?

Which revolving doors fit your environment best

Retail

Large grocery stores, retails stores and malls



High-capacity revolving doors

Your business can conveniently accommodate the needs of your customers with our large-capacity revolving door – whether those mean shopping carts, luggage carts, wheelchairs, stretchers, or simply being used by a large crowd.

Retail

Small to medium stores



Compact revolving doors

Design an inviting and stunning entrance that offers the triple benefits of climate control, security and convenience with our compact revolving doors. Perfect for high-traffic facilities.

Private & public building

Offices, schools and more



Compact revolving doors

These doors guarantee a welcoming and visually appealing entrance that also maintains a comfortable indoor climate for your employees and visitors, all while ensuring their safety and convenience. Even during peak hours!

Hospitality

From boutique to large hotels



High-capacity, all-glass or compact revolving doors

Your business thrives on first impressions. We offer high-capacity, all-glass or compact revolving doors to fit your building's facade and needs, from luggage carts and wheelchairs to large crowds. We'll help you provide comfort, safety, and convenience for your visitors and staff.

Healthcare

Large hospitals or local clinics



High-capacity revolving doors

Hospitals and medical care units require a safe and sterile environment to give the best care for patients. Hospital entrances play a crucial role in this: and with our larger revolving doors, you can easily accommodate large crowds, wheelchairs, walkers and high-traffic areas. Establish your visitors' and staff's comfort, safety and convenience while also maintaining a sterile environment.

Transportation and travel













Airports, train stations and fairs



High-capacity revolving doors

Efficient public transportation relies heavily on pedestrian traffic's smooth flow. Whether it's a busy train or a large airport, our doors are designed to perform at the same high level, while also enhancing security and indoor climate. Our larger revolving doors can easily accommodate luggage carts, trolleys, wheelchairs, stretchers and large crowds, making it simple to welcome them into your building.

Product overview

Options	Model	ASSA ABLOY Manual RD100	ASSA ABLOY Compact RD150	ASSA ABLOY Compact RD200	ASSA ABLOY Compact all-glass RD300	ASSA ABLOY Security RD400	ASSA ABLOY High-capacity RD600	ASSA ABLOY High-capacity RD700
Wing options		 	 	 	 	 		
Diameter		1800 – 3000 mm	1800 – 3000 mm	1800 – 4000 mm	1800 – 3000 mm	1600 – 2500 mm	3600 – 5400 mm	4200 – 6200 mm
Traffic flow								
Pedestrians - individuals		●	●	●	●	●	●	●
Pedestrians with luggage		–	≥2700 mm	≥2700 mm	≥2700 mm	hand luggage	●	●
Pedestrians - groups		≥2700 mm	≥2700 mm	≥2700 mm	≥2700 mm	–	●	●
Pedestrian speed regulation		●	●	–	–	–	–	–
Intensive traffic with shopping trolleys and wheelchairs		–	–	≥3600 mm	–	–	●	●
Max capacity per minute per direction		27–54	27–54	22–48	22–38	–	44–60	51–89
Security								
Night closing doors (NCD) internal and external		●/●	●/●	●/●	–/●	●/●	Integrated	–/●
Burglary-resistant glass Class 2 or Class 3		●	●	●	–	●	–	●
Mechanical / electromechanical lock		●/–	●/–	●/●	●/●	●/●	●/●	●/●
One-way access control		●	●	●	●	●	–	–
Two-way access control		●	●	●	●	●	–	–
Anti-tailgating		–	–	–	–	●	–	–
Anti-piggybacking		–	–	–	–	●	–	–
Surface treatment								
Powder-coated, anodized, stainless steel		●	●	●	●	●	●	●
Digitisation								
Graphical service interface		●	●	●	●	●	●	●
Remote access		(●)	(●)	●	●	●	●	●
Emergency escape								
Book-fold/escape route opening		–	–	●	–	●	●	●
Emergency exit, with external certification		–	–	●	–	●	–	●
Air curtain		●	●	●	●	●	●	●
Safety with external certification EN16005 (TUV)		●	●	●	●	●	●	●
EPD*, with external certification (IBU)		●	●	●	●	●	●	●



Service driven by expertise



Service Agreements:

- Flexible service packages: Our variety of service packages allow for greater flexibility and tailored solutions.
- Local compliance: Our service checks and maintenance programs always follow local compliance.
- Preventive maintenance: We will ensure that regular service visits are scheduled and that old components are replaced where necessary.
- Safety and quality checks: All packages include safety, compliance and quality control checks.

Modernization and upgrades:

- Extending lifetime: We can extend the lifetime of entrance systems while also making them more sustainable.
- Reduction of energy costs: We increase energy savings.
- Changing needs: We can adjust your entrance system where needed for optimal functionality and the newest technology.
- Meeting norms: We will ensure that you meet the current and future needs, standards and safety regulations.
- Improving performance level: We can optimize performance workflow, convenience and accessibility.

Emergency calls:

- Fast response: In the case of unplanned downtime, our local presence ensures a fast response.
- First-time fixes: With a large spare parts inventory and solid team of technicians, we can fix any issues in one visit – with long-term results.
- 24/7 priority service: We will allow you to easily view your service history as well as any upcoming service appointments.
- Original spare parts: We will always provide original spare parts as a part of our services.
- Service all doors: Our technicians are able to repair all doors and docking regardless of brand.

Digital & connected technology:

- With our digital offerings, get access to real-time data, analytics and a full-service overview to improve brand transparency.
- Technical documentation: We have defined procedures and specifications for the maintenance of all your doors and will provide you with a complete overview.
- Budgeting: Our full-service package allows you to plan and budget your costs on an annual basis – with no surprises along the way.
- Training: We offer free online courses and sessions so your staff can get to know their ASSA ABLOY systems inside and out.



Make every entrance matter

Our well-designed entrance solutions uncork bottlenecks, keep temperatures stable and help you maintain hygienic or sterile spaces in any kind of building.

Discover a world of possibilities through our products:

- Automatic Sliding, Swing and Revolving Doors
- Curved Sliding Doors
- Speedgates and turnstiles
- Exit lanes
- Hermetic Doors
- Commercial and industrial doors

Have you ever paused to reflect on your interactions with an automatic entrance? Maybe not – but that's the beauty of automated doors. They're designed to allow uninterrupted flows of people, as well as enhance convenience, elevate your building's safety, hygiene, efficiency. And if all this wasn't enough, these ingenious entrance solutions also contribute to the creation of sustainable environments.

At ASSA ABLOY Entrance Solutions, we're proud of our reputation for delivering automated entrance solutions that excel in both convenience and performance. Our mission is simple: we want our doors to empower



you, so you can go on to achieve your best, both professionally and personally. Whether you're planning to build a hotel, a hospital, a retail environment... Or something brand new.

Curious to find out more about the transformative power of automatic doors? We're here to guide you, with comprehensive entrance solutions for each side of your building – front, back, and interior. These solutions aren't just about functionality; they're about instilling a sense of security, and fostering an environment where you can embrace a more expansive worldview, one doorway at a time.

The ASSA ABLOY Group is the global leader in access solutions.
Every day, we help billions of people to experience a more open world.

ASSA ABLOY
Entrance Systems

ASSA ABLOY Entrance Systems provides solutions for efficient and safe flow of goods and people. Our offering includes a wide range of automated pedestrian, industrial and residential doors, loading dock equipment, perimeter fencing and service.

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Please enter ASSA ABLOY Entrance
in the channel's search field.