



ASSA ABLOY CD
Curved Door Portfolio
Sliding doors in any imaginable radius

assaabloyentrance.com

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world

We never compromise with your curved sliding door system

Proven expertise

From the start of our journey all the way through to our current set-up as ASSA ABLOY, our automatic sliding door systems have consistently led the industry when it comes to quality, reliability, and convenience. Everything we produce is designed by our global team of expert technicians and engineers, each of whom shares a passion for sustainable innovation.

Robust and high quality

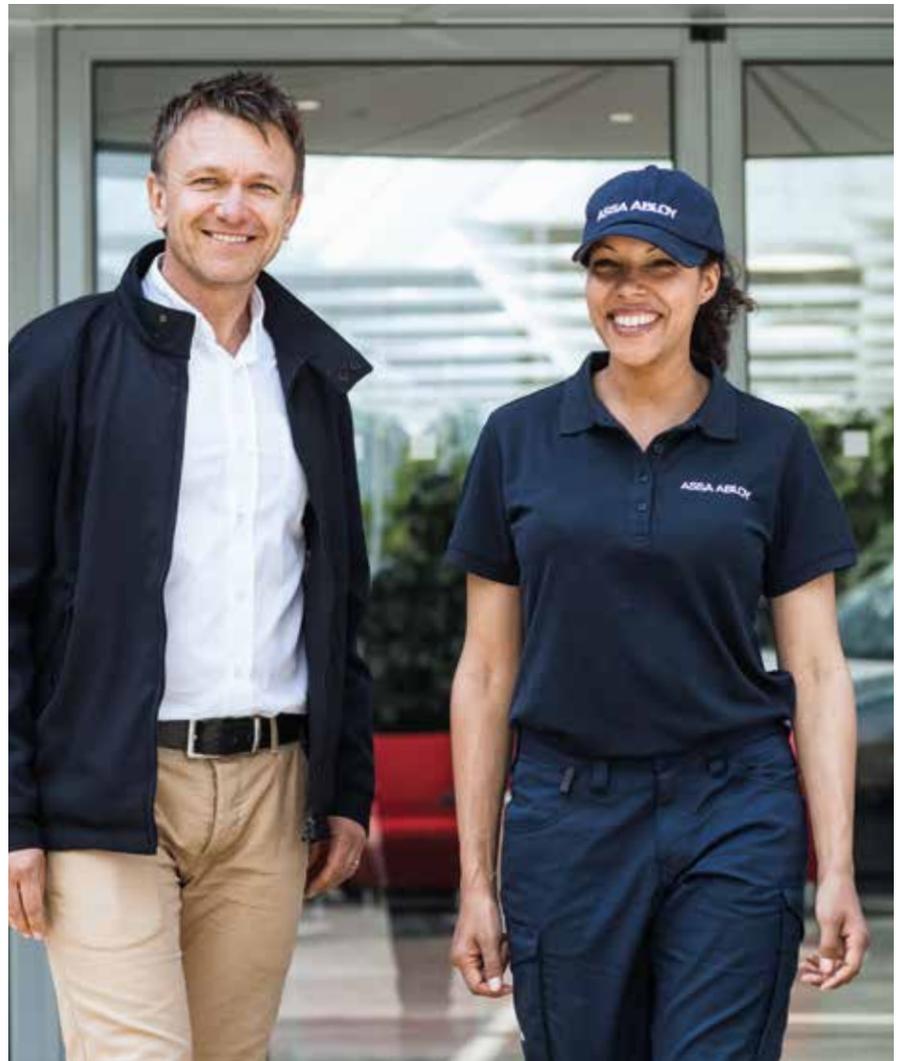
We've spent 50+ years improving and perfecting our automatic entrance systems. Combining highly robust materials with state-of-the-art technology designed to ensure safe and seamless user flow – while enabling us to maintain a solid legacy.

Safe and secure technology

Our systems come equipped with the latest safety features, enabling comfortable and secure passage at all times and under any circumstance. Should an obstruction be detected, our operators will immediately pull doors open and then resume interrupted movement at low speed to ensure the obstruction is no longer there.

Full solution and service partner

As a full service provider we offer businesses total freedom to customize their sliding door systems, with a variety of frames, glass panels and colors to choose from. We also offer tailored maintenance and service agreements, with our service experts available to solve issues whenever you need them.





Curved sliding doors give every entrance or facade an individual and exclusive touch

Doors define entrance areas and thus entire buildings. ASSA ABLOY curved sliding doors are ideally suited to add stylish elegance to a facade. They give the entrance an inviting look and are extremely versatile, enabling optimal use of space. More light and more space lend an entrance area a beautifully spacious appearance including climate control.



Sliding doors in any imaginable radius

ASSA ABLOY curved door systems have been perfected technically and from a quality point of view, and can accommodate diameters of up to 10 metres. They are equipped with a near-silent drive mechanisms, which is integrated in the ceiling. Curved sliding doors, in conjunction with the different profile systems, provide a particularly light and transparent visual effect, and are the preferred choice for glass facades. Door systems give you complete freedom of choice of materials, whether brass, chrome, stainless steel, any RAL colour or bespoke radius. Diameter and overall height, are like radius available in a variety of sizes.

Applications

- Hospitals / Nursing homes
- Shopping centres
- Airports
- Hotels
- Office buildings
- Banks / Insurance companies
- Convention centres / Museums
- Luxury shops

Flexible in every respect

A proven concept. Our sliding door system is the core component of our automatic door drives. Starting with this system, we can provide a wide range of doors based on the same components, which are adapted to the respective requirements.

Our sliding door system enables you to implement all entrance solutions, including standard, telescopic sliding doors and curved sliding doors. These are suitable for spacious areas with generous openings or narrow spaces where we provide a smaller diameter. The flexible, modular system shortens installation time and reduces servicing and maintenance costs.

Curved 180/360

The standard semi-circular and round versions are simple to operate, easy to install and come in a wide variety of design options. This door can be integrated in passage widths between 1 000 and 2 400 mm. A large selection of glazing, such as insulating or burglar-resistant glass, complements the standard range.

Curved Convex / Concave

These solutions for passage widths from 1 000 mm offer great versatility. Versions derived from the standard shapes as well as ovals, double segments and corner solutions are all feasible. Thanks to their immense variability and wide range of designs, the curved sliding doors allow virtually infinite freedom in design.

Benefits and advantages

- Attractive alternative to revolving doors
- Burglar resistant according to RC2 / RC3 according to EN 1627 (with certificate)
- TÜV approved
- Suitable for escape and emergency routes
- User-friendly and reliable
- Insulating glass
- Exceptionally quiet
- Installation and commissioning by ASSA ABLOY





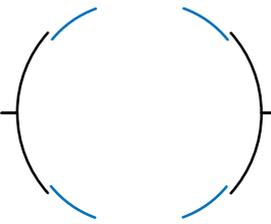
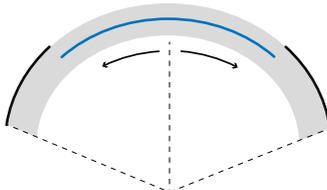
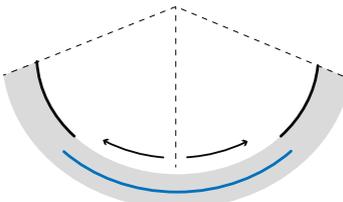
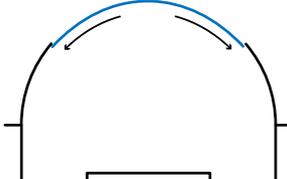
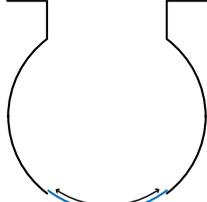
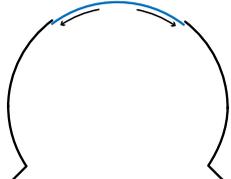
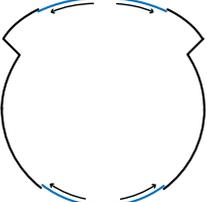
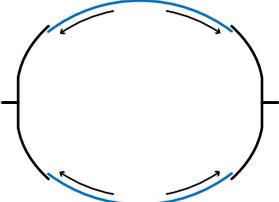
Curved options

Various design options create an outstanding feature to underline or harmonize the architectural design of your facade.

| Version | CD180 / CD360 | CD Convex | CD Concave |
|--|---------------------|---------------------|---------------------|
| Exterior diameter Q | 1 600 – 3 600 mm | from 1 600 mm | from 1 600 mm |
| Radius R | 800 – 1 800 mm | from 800 mm | from 800 mm |
| Passage width A | 1 000 – 2 400 mm | from 1 000 mm | from 1 000 mm |
| Passage height G | 2 200 – 3 000 mm | 2 200 – 3 000 mm | 2 200 – 3 000 mm |
| Canopy height | 200 – 300 mm | 200 – 300 mm | 200 – 300 mm |
| Overfloor drive | ● | ● | ● |
| Escape and evacuation routes | ● | ● | ● |
| Connection to access control system | ● | ● | ● |
| Connection to building management system | ● | ● | ● |
| Interlock mode (2 x 180° doors) | ● | | |
| Dead man | ● | ● | ● |
| Air curtain | ● from Q > 2 300 mm | | |
| Locking device | ● | ● | ● |
| Multipoint locking | ● | ● | ● |
| Watertight roof | ● | | |
| Emergency opening push button | ● | ● | ● |
| Stainless steel/bronze finish | ● | | |
| Powder coated (RAL) | ● | ● | ● |
| Pocket screens | ● | ● | ● |
| EN16005 / DIN18650 | ● | ● | ● |
| TÜV approved | ● | ● | ● |
| RC2 / RC3 according to EN 1627 | ● from Q > 1 800 mm | ● from Q > 1 800 mm | ● from Q > 1 800 mm |

Basic shapes and Applications

Complement the design of your building with an enticing and individual atmosphere – almost anything is possible.

| | | |
|---|---|---|
| <p>CD180</p> | <p>CD360</p> | |
| <p>Semi-circular, 180° Feasible with CD Standard</p> | <p>Round, 360° Feasible with CD Standard</p> | |
|  |  | |
| <p>CD Convex</p> | <p>CD Concave</p> | |
| <p>Curved Outwards Feasible with CD Convex</p> | <p>Curved Inwards Feasible with CD Concave</p> | |
|  |  | |
| <p>Execution example for Curved sliding doors</p> | | |
| <p>Corner door 90°, optimal use of space</p> | <p>Semi-circular, with windbreak 180° and linear sliding door</p> | <p>Semi-circular</p> |
|  |  |  |
| <p>Corner door, 270°</p> | <p>Enlarged windbreak</p> | <p>Oval, with windbreak</p> |
|  |  |  |

The curved sliding door that offer the best aesthetics, comfort and safety.

CD180/ CD360

The standard semi-circular and round versions are used in all types of public buildings. They accentuate the beauty of the architecture and convey both character and elegance right at the entrance.

Whether semi-circular or round, both forms can be used even in confined spaces to create comfortable passage solutions up to a maximum width of 3600 mm. Especially with a large selection of glazing, such as insulating or burglar-resistant glass, complements the standard range. The efficient, affordable standard solutions are an attractive alternative to revolving doors.

Door profiles in thicknesses of 20 or 30 mm are available for our sliding door system. The profiles as well as the drive housings can be anodised or powder-coated as well cladded in stainless steel, bronze or brass. The drive height ranges from 200 to 220 mm. The drive unit can be installed below or attached of the lintel, free-standing or integrated in the ceiling.

Functional and user-friendly

The door systems are equipped with the required accessories specific to each customer and solution.

- Service Port with tablet access
- BDE control panel
- Safety sensors
- Locking
- Floor tracks

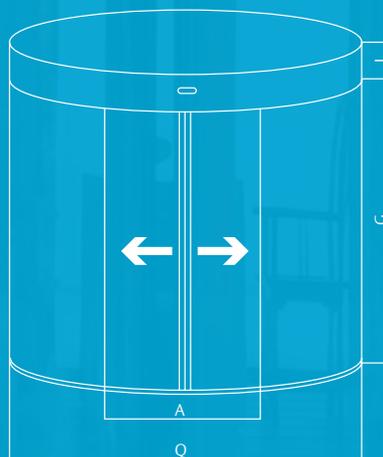
The quiet operation is reflected in the extremely harmonious motion of the door leaves.



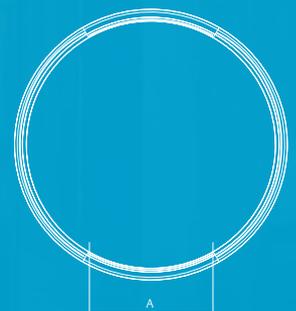


Dimensions

| Q = 2 x R | A max. 20 mm profile | A max. 30 mm profile | G | I |
|-----------|-------------------------|-------------------------|-------------|---------|
| 1 600 | 1 000 | 1 000 | | |
| 1 800 | 1 150 | 1 150 | | |
| 2 000 | 1 280 | 1 280 | | |
| 2 200 | 1 420 | 1 420 | | |
| 2 400 | 1 550 | 1 550 | | |
| 2 600 | 1 690 | 1 690 | 2 200-3 000 | 200-300 |
| 2 800 | 1 830 | 1 830 | | |
| 3 000 | 1 960 | 1 960 | | |
| 3 200 | 2 100 | 2 100 | | |
| 3 400 | 2 240 | 2 240 | | |
| 3 600 | 2 360 | 2 360 | | |



Q: Total outer diameter
A: Passage width
G: Passage height
I: Canopy height



- Dimensions are for reference purposes
- Specific dimensions are available depending on requirements
- Max. door leaf weight: up to 2 x 200 kg



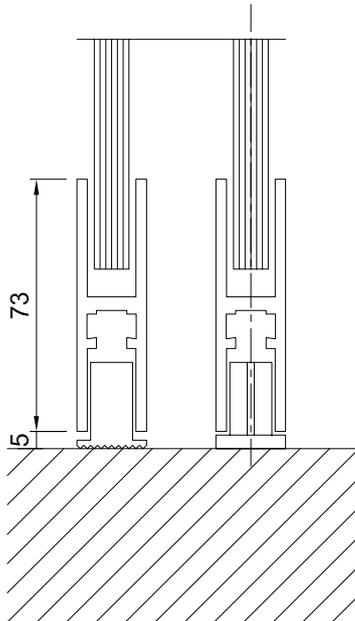
Certifications

Our sliding door system meets the requirements of the Machinery Directive 2006/42/EC, DIN 18650, EN 16005 and all relevant national and international standards.

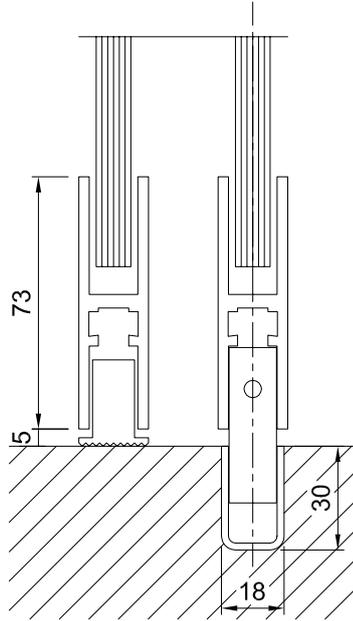
CD180 / CD360

Floor design CD180 / CD360 with side section

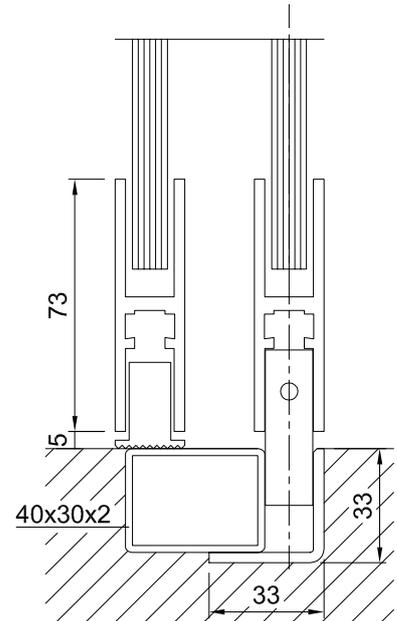
20 mm profile



Floor guide



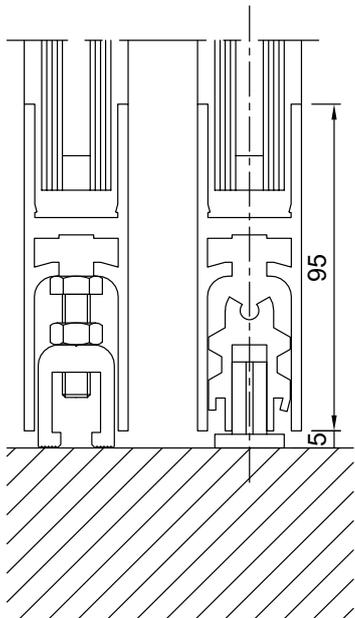
Floor track



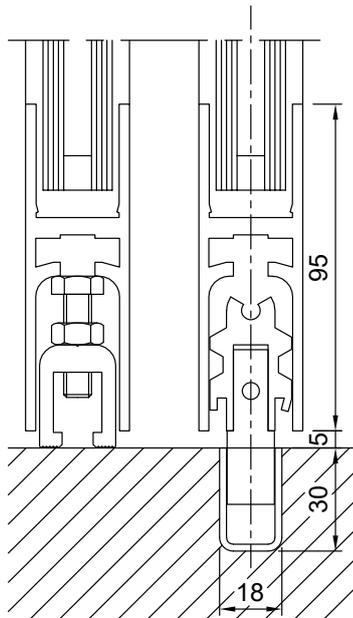
Substructure

Floor design CD180 / CD360 with side section

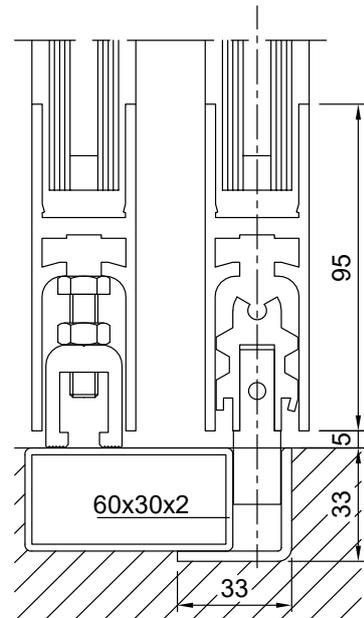
30 mm profile



Floor guide

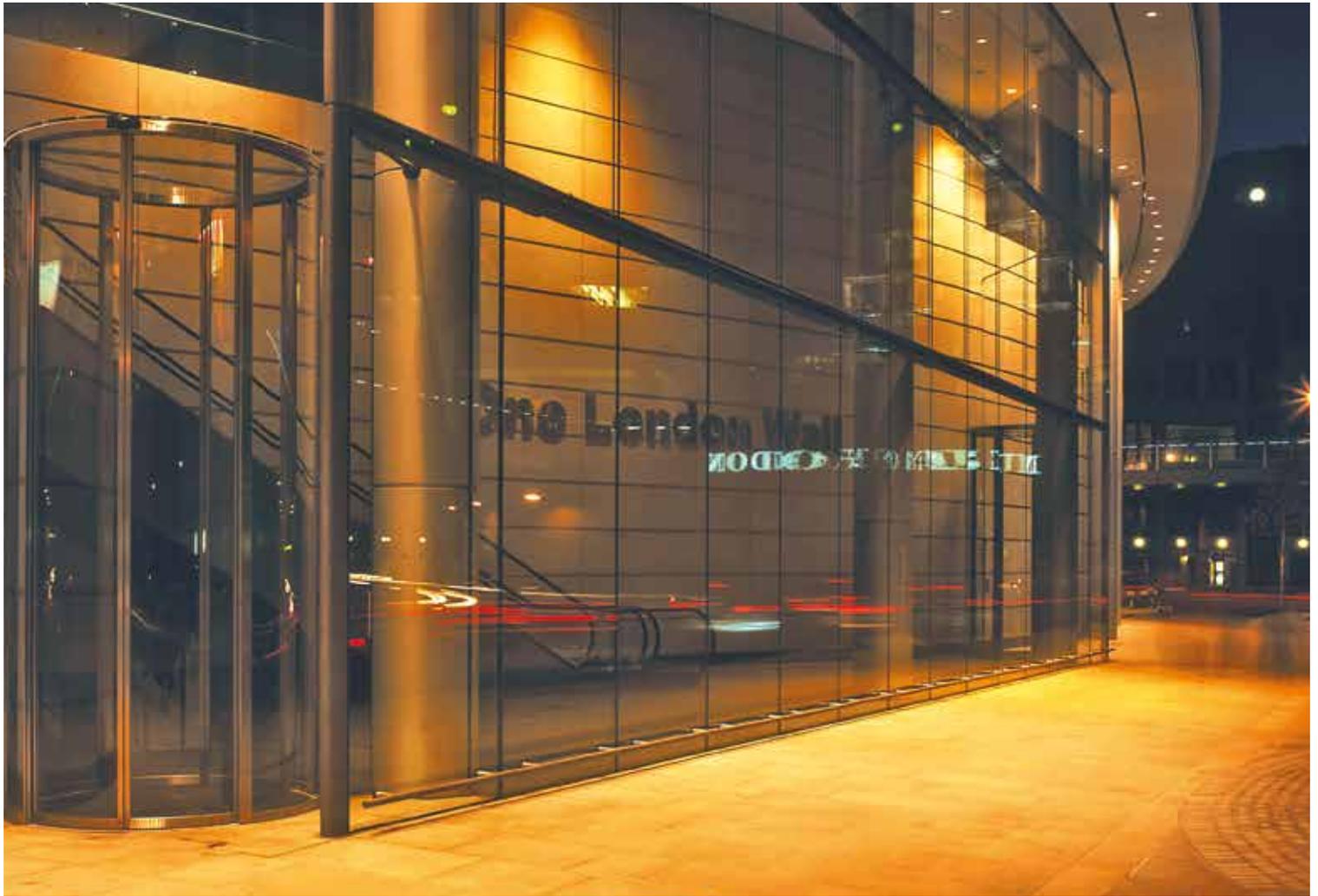


Floor track

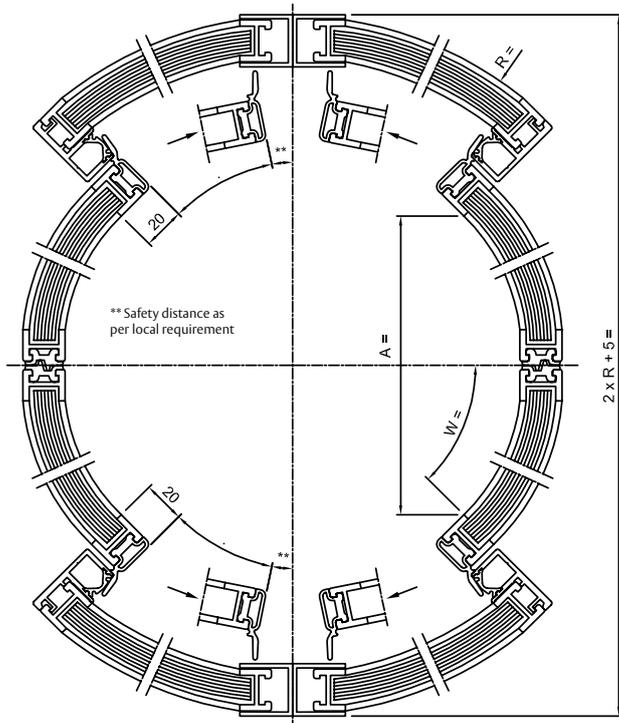


Substructure

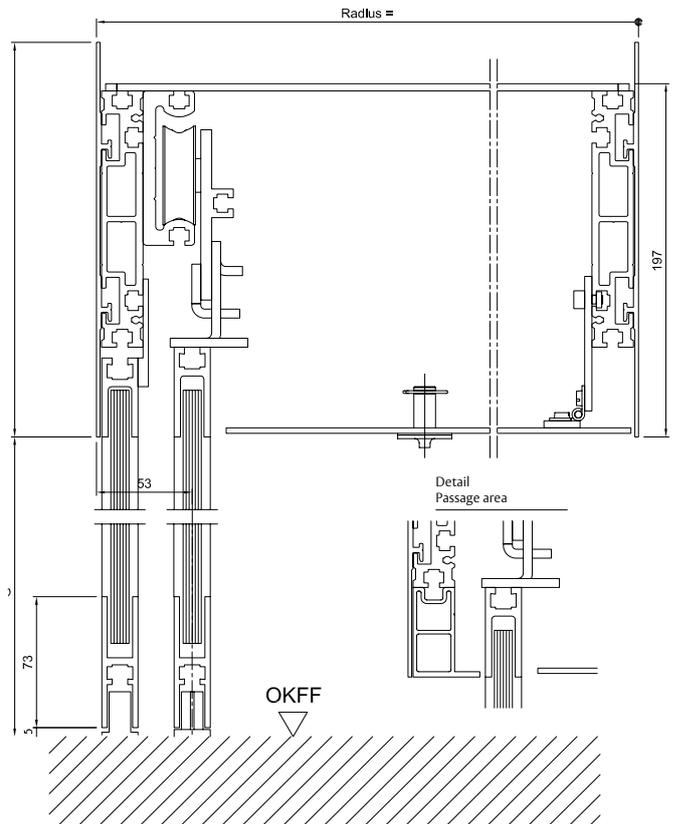
The sectional drawings serve as examples. Doors are available in various versions with and without side sections and with 20 mm or 30 mm profiles.



Horizontal section
20 mm profile



Vertical section
20 mm profile



CD Convex / CD Concave

A striking element in every building facade: Thanks to the high degree of design freedom, these variants can be harmoniously integrated into any architectural design.

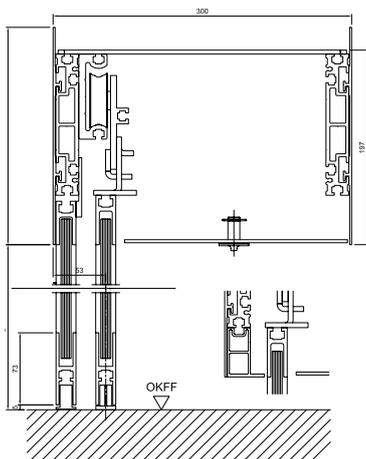
Design freedom and optimal use of space

The Curved Convex and Concave segmented doors can be curved inwards or outwards and can be integrated in virtually any radius. Floor design equivalent to CD Standard 180/360 Max. door leaf weight: up to 2 x 200 kg.

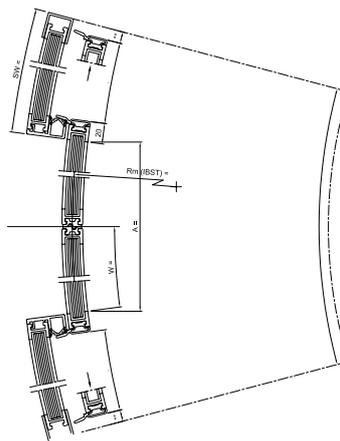
Glazing

Glass in standard laminated, insulated or in P4A, P5A for RC2/RC3 requirements is available.

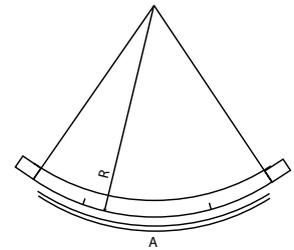
Vertical section with side section



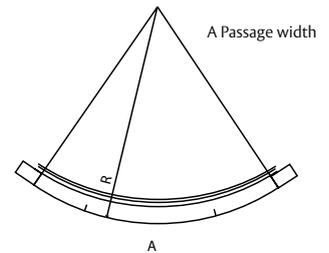
Horizontal section with side section



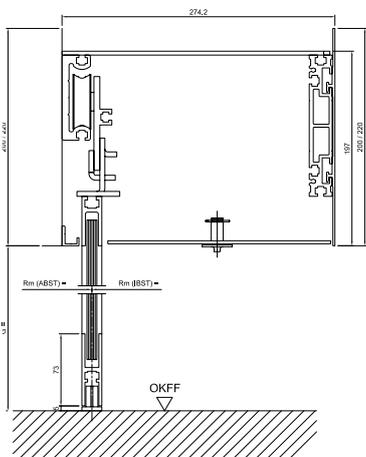
Convex Door leaf curved outwards



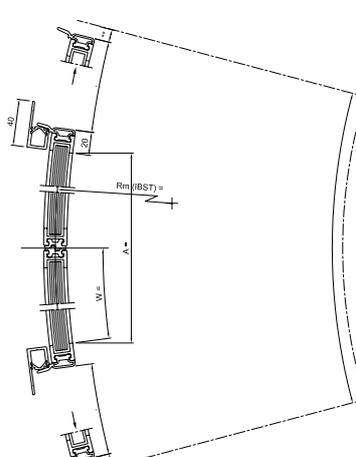
Concave Door leaf curved inwards



Vertical section without side section



Horizontal section without side section



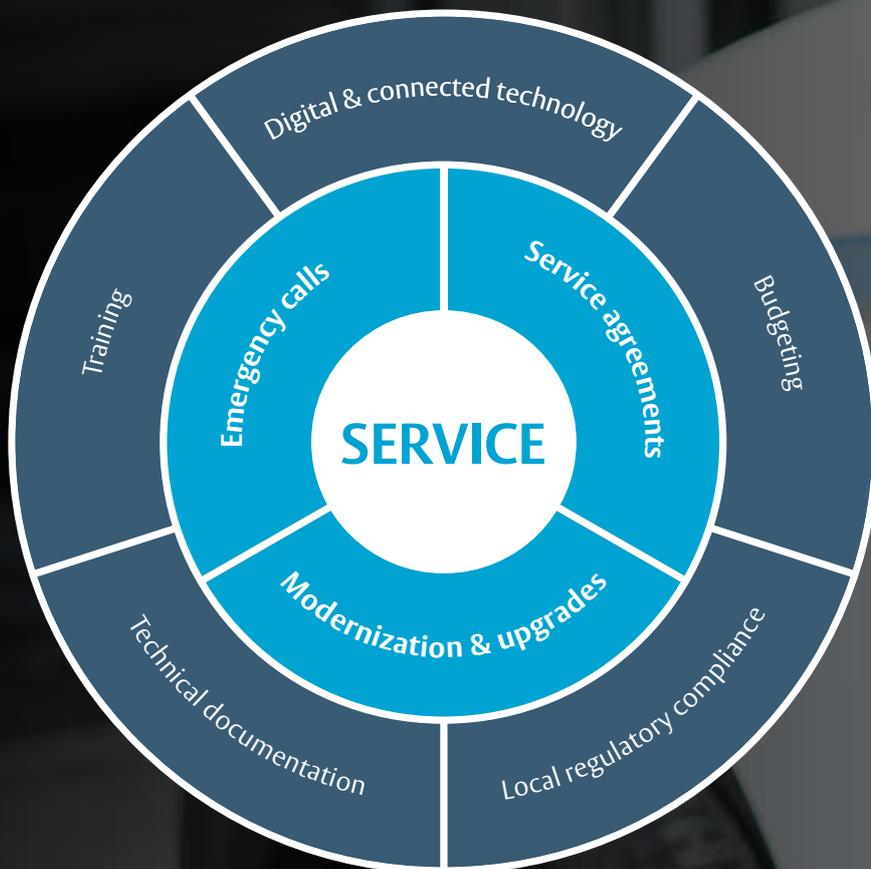


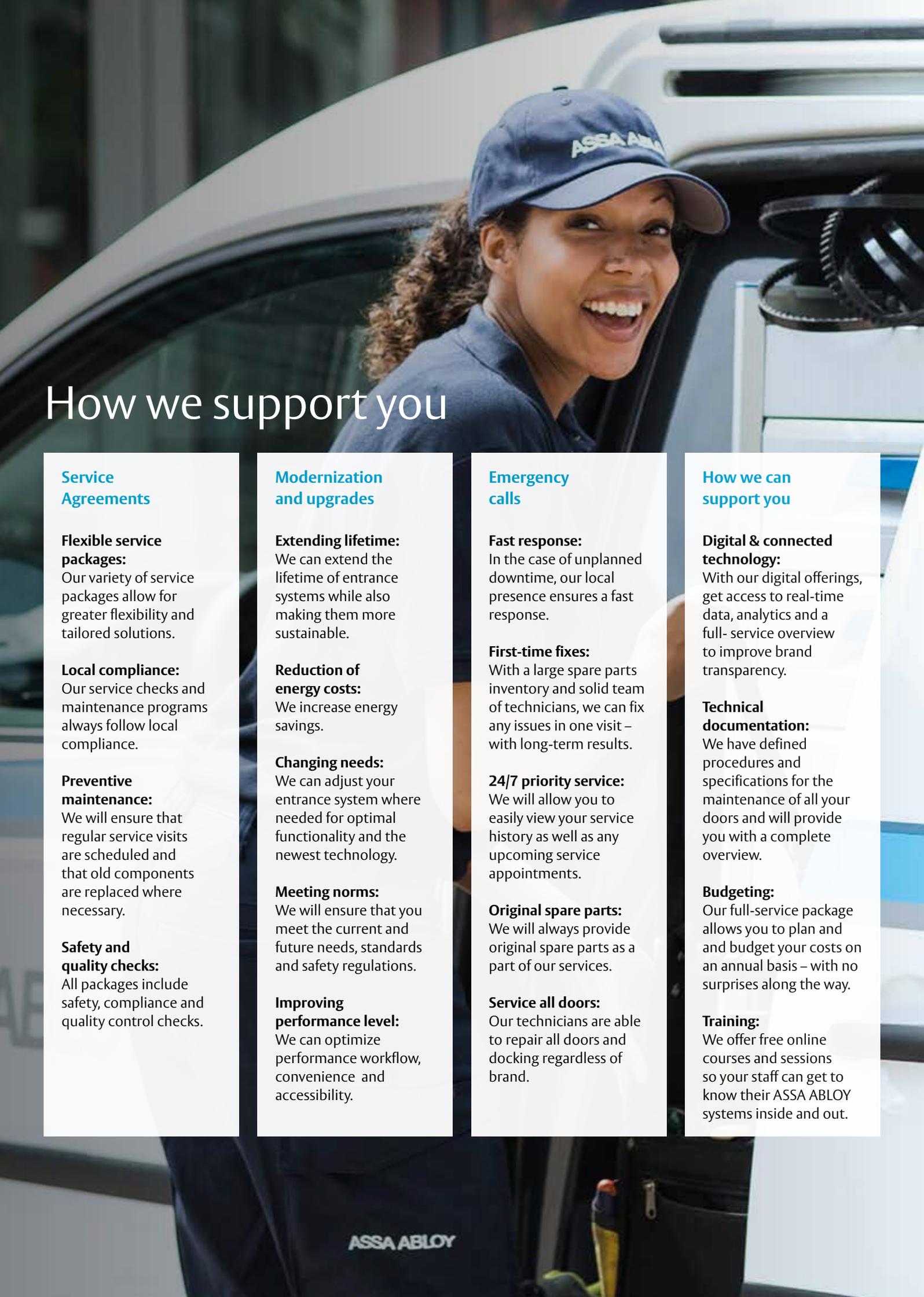
Essential service and beyond

Regular maintenance is essential to ensure the doors functioning at the highest level in accordance with safety regulations. Maintenance is not carried out automatically during the warranty period and it is recommended that customers sign a maintenance agreement within six months of installation to provide peace of mind and help reduce operating and maintenance costs over the life of the product.

The ASSA ABLOY Curved doors are manufactured to the highest quality standards and if maintained correctly will last decades, providing trouble free secure access to sensitive and vulnerable areas.

Our service technicians are available to respond to any queries. In the event of a malfunction of your automatic door, our schedulers will immediately organise an appointment with a nearby service technician. Our intuitive service app can be installed on tablets and mobile devices to support technician during service and maintenance work. With a user-friendly interface and downloadable updates, the app facilitates rapid troubleshooting, and the help function allows users to request remote support if required.





How we support you

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.

How we can support you

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.

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.

Experience a safer
and more open world