

# record revolving doors

Distinctive, aesthetic and technically proven



record REVOLVING

## record revolving – distinctive, aesthetic and technically proven

## Contents

Two-wing revolving door	7
Three- and four-wing revolving doors	9
Security revolving door	11
Underfloor drive / all-glass variant	13
Special-purpose doors	15
record – Maintenance and service	16

Building entrances with a lot of public traffic require special entrance solutions. Tailor-made, energy-efficient, representative and design-oriented - revolving doors are often the ideal solution.

Revolving doors reliably protect the interior of the building from draughts, noise and dust. The reduced heat exchange considerably contributes to optimising the building's energy balance. In addition to optimum operating efficiency, record revolving doors are characterised by generous diameters, high safety standards and a wide variety of designs.

From closed systems in any colour to all-glass translucency, from stainless steel to aluminium, from the classic drive concept in the top area to the concealed underfloor drive - everything is possible.

Why record ?

- Highly customisable designs
- Innovation is our passion
- Quality assured for over 40 years

record can create a practical and aesthetic entrance for your building, regardless of your situation, your budget or your specifications.



## Overview product portfolio record revolving doors



### Manual revolving doors / all-glass revolving doors

### Automatic revolving doors

### Security revolving doors

### Underfloor revolving doors / all-glass revolving doors

	3-wing manual	4-wing manual	3-wing manual/all-glass	4-wing manual/all-glass	2-wing automatic	3-wing automatic	4-wing automatic	3-wing security	4-wing security	3-wing underfloor	4-wing underfloor	3-wing underfloor/all-glass	4-wing underfloor/all-glass
--	---------------	---------------	-------------------------	-------------------------	------------------	------------------	------------------	-----------------	-----------------	-------------------	-------------------	-----------------------------	-----------------------------

Dimensions													
Outside diameter Q in mm min. / max.	1600 – 3000	1800 – 3000	1600 – 2600	1800 – 2600	3400 – 7200	1600 – 8000	1800 – 8000	1600 – 2500	1800 – 2500	1600 – 3600	1800 – 3600	1600 – 3600	1800 – 3600
Passage height G in mm min. / max.	2000 – 3000	2000 – 3000	2000 – 2800	2000 – 2800	2000 – 3000	2000 – 3500	2000 – 3500	2200 – 2500	2200 – 2500	2000 – 4000	2000 – 4000	2000 – 3500	2000 – 3500
Passage width A in mm	700 – 1400	1130 – 1980	690 – 1190	1130 – 1680	1865 – 4030	700 – 3870	1130 – 5510	700 – 1150	1130 – 1630	690 – 1660	1120 – 2390	690 – 1290	1120 – 1820
Persons / hour	1200 – 2500	1400 – 3000	1200 – 2200	1400 – 2700	2300 – 5500	1200 – 6300	1400 – 6600	2 x 15 (min.)	2 x 20 (min.)	1200 – 3300	1400 – 3500	1200 – 3300	1400 – 3500
Canopy height I in mm min. / max.	250 – 1000	250 – 1000	22	22	350 – 1000	300 – 1000	300 – 1000	300 – 1000	300 – 1000	22	22	22	22
Safety / security													
Personal safety (EN 16005)	●	●	●	●	●	●	●	●	●	●	●	●	●
TÜV certificate					●	●	●	●	●				
Burglary protection RC2 / RC3	●	●				●	●	●	●				
Suitable as emergency escape route	●	●	●	●		●	●						
Access control								●	●				
Person separation with 3D camera								●	●				
Options													
Surfaces: Powder coated, anodised, stainless steel	●	●	●	●	●	●	●	●	●	●	●	●	●
Roof designs (dust / weather roof)	●	●			●	●	●	●	●				
LED lighting	●	●			●	●	●	●	●				
Air curtain (electric/hot water)	●	●			●	●	●	●	●				
Night shutter (manual/automatic)	●	●	●	●		●	●	●	●	●	●	●	●
Locking mechanism (manual / electric)	●	●	●	●	●	●	●	●	●	●	●	●	●
Speed limitation	●	●	●	●									
Folding leaves (break-out)	●	●				●	●						



## Two-wing revolving door

The record two-wing revolving door is available with integrated sliding door, fixed segments or swinging leaves. High passage capacities, variable diameters, a compact overall height and many other options allow a wide range of applications. This revolving door creates a high degree of accessibility and makes the building user-friendly for everyone, even without external assistance.

Design variants					
Inside diameter U (mm)	3348 – 7148	3600	4200	4800	5400
Outside diameter Q (mm)	3400 – 7200	3652	4252	4852	5452
Passage height G (mm)	2000 – 3000	2000 – 3000	2000 – 3000	2000 – 3000	2000 – 3000
Passage width A (mm)	1865 – 4030	2000	2350	2700	3030
Persons/hour	2300 – 5500	2500	2916	3330	3750
Suitable for					

Special dimensions are possible

### Options

- Aluminium, stainless steel design, brass
- Roof designs
- LED lighting
- Air curtain
- Night shutter
- Showcases
- TÜV type-tested
- Any RAL or Eloxal colour

### Ranges of application

Hospitals, shopping centres, airports, furniture stores, hotels, office buildings





### Three- and four-wing revolving doors

The three- and four-wing revolving doors are characterised by variable diameters from 1600 to 8000 mm. The automatic variants permit different potential uses. For disabled accessibility, greater convenience or high pedestrian flow during peak hours. To meet increased security requirements, burglar-resistant versions are class RC2 or RC3 certified.

Three-wing revolving doors offer greater walking comfort due to the larger segments. Four-wing revolving doors allow a higher capacity of persons passing through at the same overall size.

	3-wing manual	4-wing manual	3-wing automatic	4-wing automatic
Design variants				
Outside diameter Q (mm)	1500 – 3000	1800 – 3000	1600 – 8800	1800 – 8800
Passage height G (mm)	2000 – 3000	2000 – 3000	2000 – 3500	2000 – 3500
Persons / hour	1200 – 2500	1400 – 3000	1200 – 6500	1400 – 6800
Suitable for				

Special dimensions are possible

#### Options

- Brass, aluminium, stainless steel design
- Roof designs
- LED lighting
- Air curtain
- Night lock
- Burglary protection according to RC2 / RC3
- TÜV type-tested
- Use in escape and rescue routes
- Folding leaves (break-out)
- Any RAL or anodised colour





## Security revolving door

The three- and four-wing record security revolving doors allow controlled access to security areas. The modular product concept permits the integration of almost any common access control and identification system and reports events to the building management system if necessary. Intelligent sensor technologies monitor all entry and exit points in the revolving door.

	3-wing Safety / Security	4-wing Safety / Security
Design variants		
Outside diameter Q (mm)	1600 – 2500	1800 – 2500
Passage height G (mm)	2200 – 2500	2200 – 2500
Persons / minute	2 x 15	2 x 20
Anti-tailgating / anti-piggybacking	Yes / Yes	Yes / Yes
Access control / biometrics	Yes	Yes
Burglary protection	RC2 / RC3	RC2 / RC3
Suitable for		

### Access control and biometrics

Whether RFID reader, fingerprint scanner, vein scanner, iris scanner or face recognition - almost all solutions and combinations for the identification and authentication of persons can be connected to the door control.

### Applications and security level

In the basic version, the number of people is monitored by contact mats and presence sensors.

In the high-security version, the number of people is monitored by intelligent sensors. The **TOF-3D sensor technology** impresses with its high degree of sturdiness against external influences and detects a multitude of unauthorised accesses and manipulations. The integrated sabotage monitoring reliably detects manipulations on the sensor.

### Burglar-resistant design class RC2 and RC3

All record revolving doors are available with burglar-resistant properties according to DIN EN 1627 class RC2 and RC3 - with certificate. The door system is then equipped with burglar-proof glass (P4A or P5A), additional locks and a reinforced construction.

### Highest personal protection according to EN 16005

All record revolving doors offer highest personal protection and are tested according to EN 16005.

### Options

- Stainless steel, powder-coated aluminium, anodised aluminium design

- Roof designs
- TÜV type-tested
- LED access signalling by means of signal light
- LED access signalling in ceiling
- Night lock system (manual / automatic)
- Emergency stop switch
- Fail-safe / fail-secure
- Anti-tailgating / anti-piggybacking
- Voice module





### Underfloor drive / all-glass variant

A concealed drive allows complete freedom of design and supports - especially in conjunction with an all-glass construction - the impression of a spacious and translucent appearance.

The entire load of the doors rests on the drive module in the floor. The top pivot bearing unit is designed to only absorb horizontal forces caused by wind load. The doors can optionally be controlled by motion sensors embedded in the floor.

	3-leaf underfloor	4-leaf underfloor	3-leaf all-glass	4-leaf all-glass
<b>Design variants</b>				
Outside diameter Q (mm)	1600 – 3600	1800 – 3600	1600 – 3000	1800 – 3000
Passage height G (mm)	2000 – 4000	2000 – 4000	2000 – 3500	2000 – 3500
Persons / hour	1200 – 3300	1400 – 3500	1200 – 3300	1400 – 3500
suitable for				

Special dimensions are possible

#### Underfloor drive

The hidden drive concealed in the floor provides modern façades on buildings with increased translucency. The advantage is the glass-to-glass connection to the façade. Bulky canopies and drives are a thing of the past. The aesthetics and elegance of contemporary architecture are shown to their full advantage.

The underfloor drives are ideally suited for three- or

four-leaf revolving doors. Having been in use for more than 40 years, underfloor drives are more than long-term tested and are state-of-the-art. In the meantime, modern sensors even permit an invisible use, so that a maximum of translucency can be achieved.

#### Ranges of application

Office buildings, hotels, retail centres, banks, airports, museums, etc.



## Special-purpose doors

BLASI – the world-renowned brand when it comes to special-purpose doors – has been part of the international record group for more than 10 years. record BLASI develops innovative, customised special-purpose solutions for any type of challenge. Systems without frames and with drives embedded in the floor or located in the basement, and even tower-high designs are developed with creativity and precision and used for globally unique, distinctive buildings.

For special all-glass doors, there are systems with structural bonding without mechanical connection, which are completely self-supporting and can withstand even high wind

loads without any connection to the façade.

Aesthetics does not have to contradict conventional use. record BLASI combines creative design with a high level of technical know-how.

record BLASI – your partner for any type of special-purpose solution, even if underfloor systems with security technology are desired.



## record – Maintenance and service

### record maintenance agreements

Periodic maintenance is essential to ensure that your automatic door functions perfectly for decades and that the safety regulations are complied with at the same time. Benefit from the variable services of record maintenance agreements, which allow you to significantly reduce your own operating and maintenance costs.

Maintenance is not carried out automatically during the warranty period. We therefore recommend that you conclude a maintenance agreement during the first six months after installation of your automatic door. Please check the corresponding possibilities on the record country website.

### record trouble shooting

We are present in many countries with competent record service technicians who can be consulted at any time if you have any questions. In the event of a malfunction of your automatic door, our schedulers

will immediately organise an appointment with a service technician near you. To your advantage, quickly and cost-effectively.

### i-record app

Installed on a tablet or smartphone, the intuitive i-record app with its clearly laid out user interface supports the technician during service and maintenance work and assists rapid troubleshooting with a precise diagnosis of the entire door system. With the help function, remote support can also be requested online if required. Downloadable updates ensure a reliable and long operation of the automatic door system.

Our consultants will assist you in finding the right service package for your needs.

Further information: [www.record.group/countries](http://www.record.group/countries)

### → record UK Limited

Head Office: Unit D, 9 Watt Place, Hamilton International Park, Blantyre, G72 0AH – UK

Northern Office: Unit 2, Shaw Cross Court, Horace Waller V C Parade, Shaw Cross Business Park, Dewsbury, WF12 7RF – UK

Midland Office: 4th Floor, Townend House, Park Street, Walsall, WS1 1NS

Southern Office: 17 Invincible Road – Farnborough, GU14 7QU – UK

tel.: +44 1698 376411 – fax: +44 1698 376422 – [info@recorduk.co.uk](mailto:info@recorduk.co.uk) – [www.recorduk.co.uk](http://www.recorduk.co.uk)

**Headquartered** in Switzerland, the record group sells its products and services across the globe and is directly present with subsidiaries in many countries.

**Global sales and service contacts:** [www.record.group/countries](http://www.record.group/countries)

