





Intelligent identification and access control systems open up new possibilities for secure areas

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.

In an emergency (e.g. fire alarm / power failure), locking is prevented by the automatic unlocking of the security systems to ensure leaving the building is possible at any time (fail-safe). If the focus is on building protection, the uninterrupted door function can be ensured by adding an emergency operating supply - the door is locked (fail-secure).

Options

- Stainless steel, powder-coated aluminium, or anodised aluminium design
- Night lock system (manual / automatic)
- Fail-safe / Fail-secure
- LED access signalling by signal light
- LED access signalling in ceiling
- Emergency stop switch
- Voice module
- Roof designs (like weather roof)

	3-wing	4-wing
Design variants		
Outside diameter Q (mm)	1600 – 2500	1800 – 2500
Passage height G (mm)	2200 – 2500	2200 – 2500
Canopy height under passage height (mm)	300 – 1000	300 – 1000
Persons / minute (max.)	1 x 15* / 2 x 15	2 x 20
Anti-tailgating / anti-piggybacking	Yes / Yes	Yes / Yes
Access control / biometrics	Yes	Yes
Burglary protection	RC 2 / RC 3	RC 2 / RC 3
Suitable for		

Product video



<https://cutt.ly/pe7h3Eb>



*Access always only possible in one direction

Three and four-wing security revolving door



Versions

Q = diameter in mm	Number of wings	Passage width in mm	Security levels
1600	3	699	low / medium / high
1800	3	799	low / medium / high
1800	4	1132	low / medium / high
2000	3	899	low / medium / high
2000	4	1273	low / medium / high
2200	3	999	low / medium / high
2200	4	1415	low / medium / high
2500	3	1149	low / medium / high
2500	4	1627	low / medium / high

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.

Personal safety

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

Security level

Depending on the security level required we offer three different levels of access monitoring for the protection of your building:

Security level	Access control	Tailgating*	Piggybacking**
	Access control system	No	No
Medium	Access control system + presence detection via (infrared sensors or contact mat)	Yes	No
High	Access control system + TOF 3D camera	Yes	Yes

*An unauthorised person follows an authorised person in the following segment
 **An authorised person follows an authorised person in the same segment

Access monitoring can be implemented as a one-way or two-way monitoring system. In the one-way version, only entry is monitored and leaving the security area is possible without monitoring.

Burglar-resistant design according to EN 1627 classes RC 2 and RC 3

All record revolving doors are available with burglar-resistant properties according to DIN EN 1627 classes RC 2 and RC3 - with certificate. The door system is equipped with burglar-proof glass (P4A or P5A), additional locks and a reinforced construction.



Operating modes and door behaviour

Security Automatic: Successful authorisation via an access control system activates the movement of the door and allows the person to pass through. If unauthorised entry is recognised while the door is revolving, the door will revolve backwards and move to the home position.

Automatic: Optionally, the door can also be operated in automatic mode. Activation sensors (radar) recognise people who want to enter or leave the building and start the movement of the door.

Locked: The door is blocked and electromechanically locked.

Manual operation: The door can be operated manually, e.g. to perform maintenance work.