

BEYOND SECURITY

KABA®

Talos Revolving Doors
Talos Circular Sliding Doors
For a stylish entrance



Convenient
Transparent
Timeless

Design and function

«The entrance area is our hotel's business card - it makes the first and lasting impression on guests. We opted for a Talos revolving door. Along with the stylish design we really appreciate the excellent thermal insulation it provides and how easy it is to pass through – even with luggage.»



Energy-saving *Talos* revolving doors and circular sliding doors

Versatile *Talos* revolving doors

Thanks to their closed design, revolving doors in particular save the highest possible amount of energy during entry or exit of a building. Without the draught that usually occurs with standard opening doors, the interior next to the revolving door may be optimally used for a reception or seating area. Optimal throughput rates can be achieved by people being able to enter and exit the building at the same time. The revolving doors come in a wide variety of options according to the customers' demands: wheelchair accessible, with emergency exit function, with secure night closure or with corresponding resistance classes against burglary. The transparent design adds to the attractiveness of the entrance area, which is representative of the building as a whole.

Effective *Talos* circular sliding doors

With their great flexibility in design, circular sliding doors give each entrance a special, individual touch. The facade's thermal separation is not affected by the circular sliding doors opening one after the other. The slim design with sliding doors allows for a high throughput rate.

User friendliness

A sophisticated sensor system in compliance with the latest standards prevents users from being injured. A button for wheelchair users reduces the rotational speed of the drive, while the running controller limits the speed and protects against impacts, crushing and jamming.

Security

For increased security demands, reinforced burglary-resistant versions are certified according to standards RC2 and WK3 respectively. Options such as a rotating unit with emergency exit¹ or night closure function complete the product range.

¹ Individual authorisation required (competent building authority)



Talos Revolving Doors RDR

Throughput rate = 16 to 28 per minute
(1 direction)
Security level = ●●●○○○
Comfort = ●●●○○○

Talos Circular Sliding Doors CSD

Throughput rate = over 40 per minute
(1 direction)
Security level = ●●●○○○
Comfort = ●●●○○○

Advantages of *Talos* revolving doors and circular sliding doors

Versatility for users and operators.

Talos revolving doors RDR

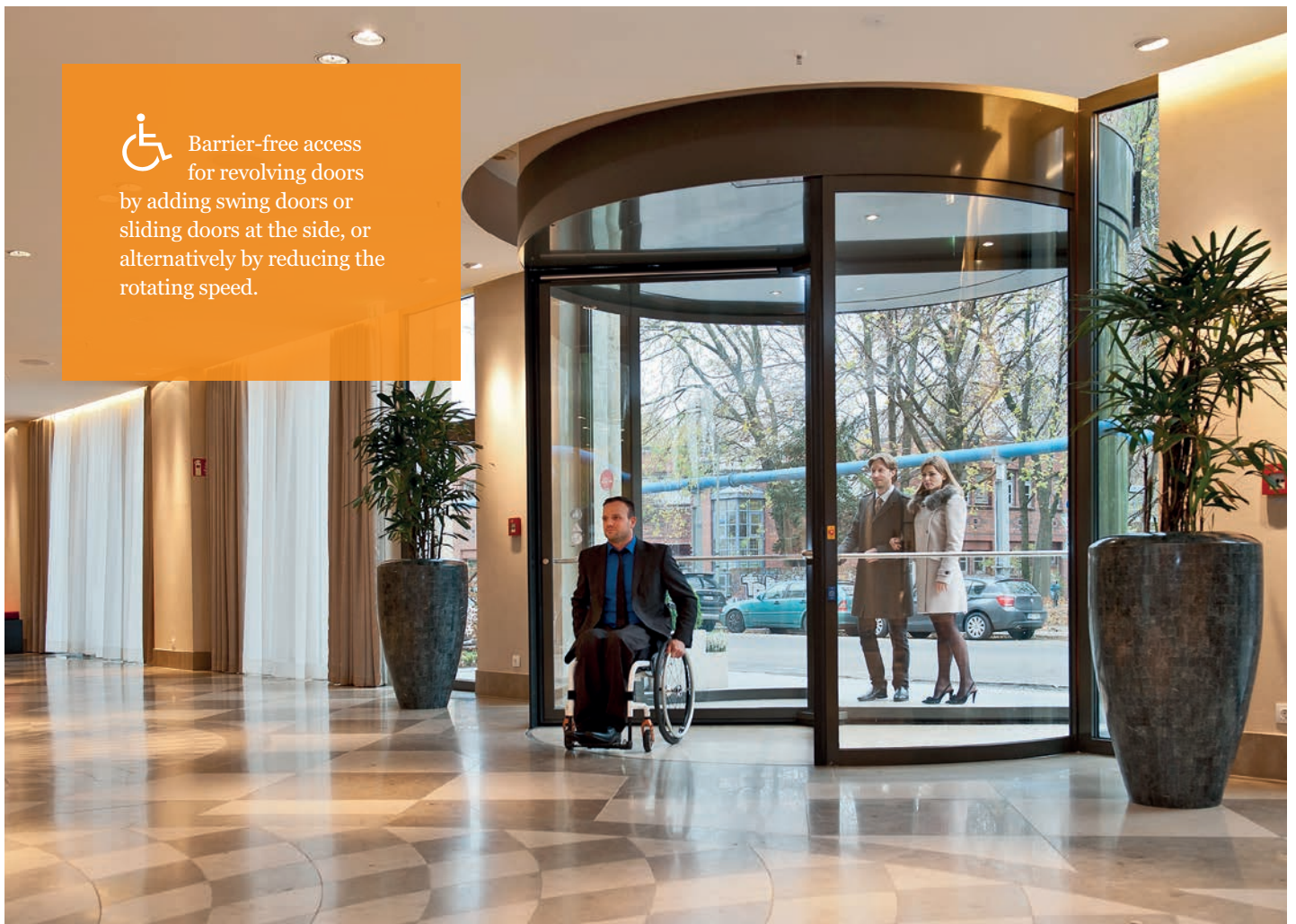
- Energy-saving thermal separation
- Transparent all-glass units with elegant profiles
- Solutions suitable for escape routes
- Option with night closure
- Optional button to make access easier for disabled users
- Versions with resistance classes RC2 and WK3
- Safety sensor system according to DIN EN 16005

Talos circular sliding doors CSD

- Energy-saving thermal separation
- High throughput rate
- Solutions suitable for escape routes
- Transparent all-glass units with elegant profiles
- Safety sensor system according to DIN EN 16005



Barrier-free access
for revolving doors
by adding swing doors or
sliding doors at the side, or
alternatively by reducing the
rotating speed.



The ideal solution for any access point



Prepared for emergency situations – four-leaved revolving door with approved escape route rotating unit



Transparent all-glass unit – circular sliding door with attractive profiles



An elegant combination – all-glass design



Added security – revolving door with night closure

RDR Revolving Doors



Standard units

Note

Construction	Outside diameter
	Entrance and escape route width
	Total height
	Passage height
	Upper part of body
	Number of door leaves
Body	Rotary cycle
	Side panels

Body	Thermal separation
	Top cover/ceiling
	Maintenance openings

Rotating unit

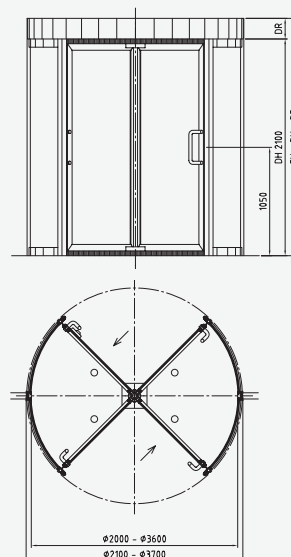
Finish

Function

Installation

RDR-E01

2100 – 3700
See dimensions table on page 11.
2300
2100
200
4
180°
With 8 mm laminated safety glass, alternatively metal-clad.
In facade level.
Top dustproof cover made of raw aluminium plate.
Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).
Framed in T40 light metal profiles.
Tempered safety glass.
With sealing brushes.
Black U-shaped handles.
Bolt lock prepared for on-site profile cylinder.
Powder-coated in a RAL colour.
Can be revolved manually, smooth running.
On finished floor level (FFL).



All dimensions in mm



RDR-C01

Additional options compared to RDR-E01.

2100 – 3700

See dimensions table on page 11.

2300

2100

200

4

180°

With 8 mm laminated safety glass, alternatively metal-clad.

In facade level.

Top dustproof cover made of raw aluminium plate.

Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).

Framed in T40 light metal profiles.

Tempered safety glass.

With sealing brushes.

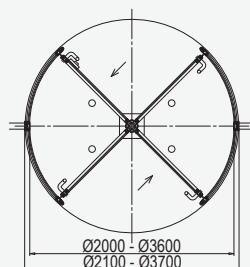
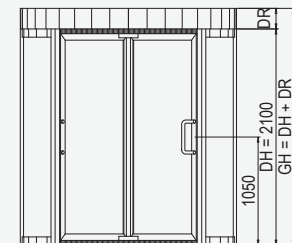
Black U-shaped handles.

Bolt lock prepared for on-site profile cylinder.

Powder-coated in a RAL colour.

Can be revolved manually, smooth running.

On finished floor level (FFL).



official member of



RDR Revolving Doors



Standard units

Note

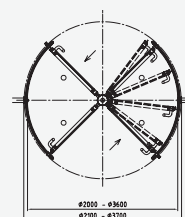
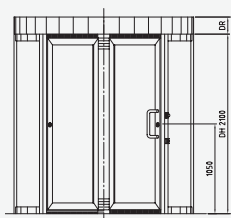
<i>Construction</i>	Outside diameter
	Entrance and escape route width
	Total height
	Passage height
	Upper part of body
	Number of door leaves
	Rotary cycle
<i>Body</i>	Side panels
	Thermal separation
	Safety strips
	Top cover/ceiling
	Maintenance openings
<i>Rotating unit</i>	
	Safety strips
<i>Finish</i>	
<i>Function</i>	
<i>Electrical equipment</i>	
<i>Installation</i>	

RDR-C03

Including emergency exit function, activated using emergency stop switch located on inner corner post.

2100 – 3700
See dimensions table on page 11.
2300
2100
200
4
180°
With 8 mm laminated safety glass, alternatively metal-clad.
In facade level.
On opposite closing edges.
Top dustproof cover made of raw aluminium plate.
Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).
Framed in T56 light metal profiles.
Tempered safety glass, including break-out symbols to stick on the door leaves.
With sealing brushes.
Black U-shaped handles.
Horizontal and vertical on the door leaves.
Two bar locks to lock the rotating unit upwards and downwards.
Powder-coated in a RAL colour.
Fully automatic K8-SA1 with OPL 01 and KGB emergency escape module.
Motion started using infrared sensors.
Reverse button in the entrance segments.
Two buttons, Ø 20, for disabled persons.
Two emergency stop switches.
Control system integrated in the unit.
Power supply 230 VAC, 50 Hz.
On finished floor level (FFL).

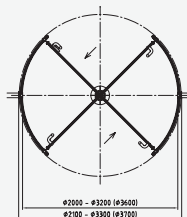
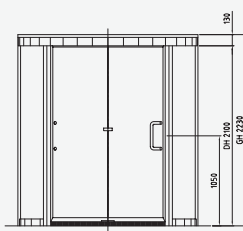
All dimensions in mm





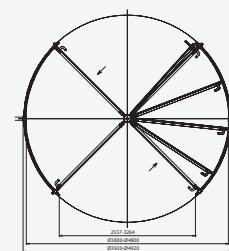
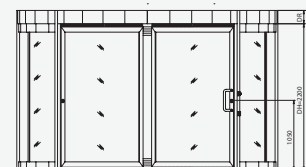
RDR-S01

2100 – 3300 (3700 only in the case of T40)
See dimensions table on page 11.
2230
2100
130
4
180°
With 8 mm laminated safety glass.
In facade level.
Glass ceiling consisting of 2 laminated safety glass segments.
Framed in T25 light metal profiles (Ø 3700 T40).
Tempered safety glass.
With sealing brushes.
Black U-shaped handles.
Bolt lock prepared for on-site profile cylinder (closed downwards).
Powder-coated in a RAL colour.
Can be revolved manually, smooth running.
On finished floor level (FFL).



RDR-C02

3920 - 4920
See dimensions table on page 11.
2400
2200
200
4
180°
With 8 mm laminated safety glass, alternatively metal-clad.
In facade level.
On opposite closing edges.
Top dustproof cover made of raw aluminium plate.
In the lower ceiling plate.
Framed in T56 light metal profiles.
Tempered safety glass.
With sealing brushes.
Without handles.
Horizontal and vertical on the door leaves.
Two bar bolts prepared for on-site profile cylinder.
Powder-coated in a RAL colour.
SA3 servo drive with OPL 03.
Motion started using infrared sensors. Two pre-sensors, flush-mounted in ceiling plate.
Reverse button in the entrance segments.
Two buttons, Ø 20, for disabled persons.
Two emergency stop switches.
Control system integrated in the unit.
Power supply 230 VAC, 50 Hz.
On finished floor level (FFL).



CSD Circular Sliding Doors



Standard units

Construction

Outside diameter	
Entrance and escape route width	
Total height	
Passage height	
Upper part of body	

Body

Side panels	
Thermal separation	
Top cover/ceiling	
Maintenance openings	

Sliding door leaf

Finish

Function

Installation

CSD-C01

2000 - 4100

See dimensions table on page 11.

2300

2100

200

With 8 mm laminated safety glass, alternatively metal-clad.

In facade level.

Top cover made of raw aluminium plate, dustproof.

Removable ceiling panels.

Framed in light alloy profiles.

8 mm laminated safety glass panel.

Inner and outer doors double-leaved.

Powder-coated in a RAL colour.

2 drives with control unit and 6 infrared motion detectors for automatic opening in the upper part of the body.

On sub floor level SFL, measure X = 60 - 79.

CSD-C02

2000 - 4100

See dimensions table on page 11.

2300

2100

200

With 8 mm laminated safety glass, alternatively metal-clad.

In facade level.

Top cover made of raw aluminium plate, dustproof.

Removable ceiling panels.

Framed in light alloy profiles.

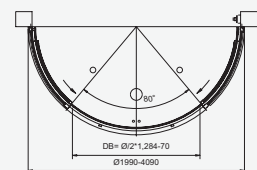
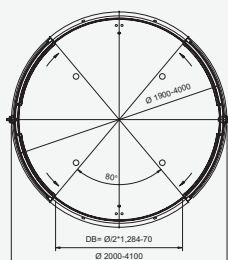
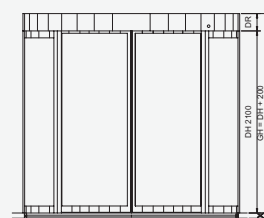
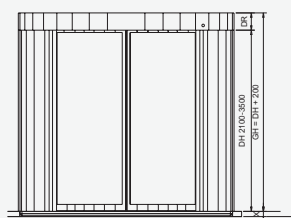
8 mm laminated safety glass panel.

Double-leaved.

Powder-coated in a RAL colour.

1 drive with control unit in the upper part of the body and 3 infrared motion detectors.

On sub floor level SFL, measure X = 60 - 79.



All dimensions in mm

Dimensions tables

RDR-E01/RDR-C01

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	
2100	2000	1332	
2200/2300	2100/2200	1402/1474	
2400/2500	2300/2400	1544/1615	
2600/2700	2500/2600	1685/1756	
2800/2900	2700/2800	1826/1897	
3000/3100	2900/3000	1968/2039	
3200/3300	3100/3200	2109/2180	
3400/3500	3300/3400	2251/2322	
3600/3700	3500/3600	2392/2463	

RDR-C03

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	<i>Escape route width</i>
2100	2000	1300	925
2200/2300	2100/2200	1370/1440	975/1025
2400/2500	2300/2400	1510/1580	1075/1125
2600/2700	2500/2600	1650/1720	1175/1225
2800/2900	2700/2800	1790/1860	1275/1325
3000/3100	2900/3000	1930/2000	1375/1425
3200/3300	3100/3200	2070/2140	1475/1525
3400/3500	3300/3400	2210/2280	1575/1625
3600/3700	3500/3600	2350/2420	1675/1725

RDR-S01

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	
2100	2000	1332	
2300	2200	1474	
2500	2400	1615	
2700	2600	1756	
2900	2800	1897	
3100	3000	2039	
3300	3200	2180	
3700	3600	2463	

RDR-C02

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	<i>Escape route width</i>
3920	3800	2557	1825
4120	4000	2698	1925
4320	4200	2839	2025
4520	4400	2981	2125
4720	4600	3122	2225
4920	4800	3264	2325

CSD-C01

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	
2000	1900	1140	
2100	2000	1210	
2300	2200	1340	
2500	2400	1470	
2700	2600	1600	
2900	2800	1725	
3100	3000	1855	
3300	3200	1980	
3500 (Dual)	3400	2110	
3700 (Dual)	3600	2240	
3900 (Dual)	3800	2370	
4100 (Dual)	4000	2500	

CSD-C02

<i>Ø outside</i>	<i>Ø inside</i>	<i>Entrance width</i>	
2000	1900	1140	
2100	2000	1210	
2300	2200	1340	
2500	2400	1470	
2700	2600	1600	
2900	2800	1725	
3100	3000	1855	
3300	3200	1980	
3500 (Dual)	3400	2110	
3700 (Dual)	3600	2240	
3900 (Dual)	3800	2370	
4100 (Dual)	4000	2500	

Options (depending on unit type)

	RDR-E01	RDR-C01	RDR-C03	RDR-S01	RDR-C02
Construction					
Increase passage height.	•	•	•	•	•
Increase upper part of body.	•	•	•	•	•
Glass ceiling without frame (side panels, 12 mm laminated safety glass).				•	
Water tray or waterproof cover of outer part of body, made of light metal.	•	•	•		•
Insulation of outer upper part of the body.	•	•	•		•
Resistance class RC2.	•	•		•	
Resistance class WK3.		•			
Varied night closures.	•	•	•	•	•
Motor for night closure.		•	•		•
Monitoring of night closure, notification of status closed or closed and locked.	•	•	•	•	•
Rotating unit, three-leaf (120°).	•	•	•	•	•
T40 rotating unit, P4A laminated safety glass.	•	•		•	
T25 or T40 foldable rotating unit, every leaf is manually foldable, including bolt lock and separate contacts for electrical transmission, up to max. outside diameter of 3000.	•	•		•	
Stainless steel handle horizontal or vertical, installed on door leaf.		•		•	•
Monitoring of door leaf locking upwards (except -S01) or downwards.	•	•	•	•	
Floor element; stainless steel floor ring for pre-installation.	•	•	•	•	•
Drive attachment in on-site floor pit or underfloor.		•		•	
Stainless steel tub for the floor ring in the outer half (for drainage).	•	•	•	•	
Clamping rail for fixing on-site sealing foil, measure X = 150 or larger.	•	•	•	•	•
Stainless steel plate, may be perforated, to apply floor covering.	•	•	•	•	•
Stainless steel plate for floor element.	•	•	•	•	•
Coir mats or black rubber mats (optionally equipped with arrow) or carpet as cleaning zone.	•	•	•	•	•
Finish					
AISI 304 stainless steel, satin finish or S8 mirror polished.	•	•	•	•	•
E6 anodised in colour.	•	•	•	•	•
Function					
Running controller to limit speed (recommended).	•	•		•	
SA1 servo positioning drive turns rotating unit at passage speed (started by pushing manually), including electric transmission kit, horizontal and vertical safety strips, key switch to release the unit, emergency release button (reverse button), two emergency stop switches and two Ø 20 buttons for disabled users, optionally with OPL 01.	•	•		•	
SA1 configuration.	•	•	•	•	
Demand locking BV1.	•	•	•	•	
SA2 servo positioning drive moves the manually rotated rotating unit into the basic position; including key switch to release the unit, finger protection strips on the bottom of the door leaves and two emergency stop switches, optionally with OPL 02 as well as demand locking BV2.	•	•		•	
Day/night access function, including activation using key switch (demand locking necessary).	•	•	•	•	
Transport opening.					•
Electrical equipment					
Infrared (except for C02, C03 standard) or radar motion detectors for automatic starting.	•	•	•	•	•
Buttons for disabled users 70 x 70 in console 4 with wheelchair symbol, alternative to the SA1 buttons for disabled users.	•	•	•	•	•
Different consoles.	•	•	•	•	•
Key-operated push button or key switch.	•	•	•	•	☑
Operating panels.	•	•		•	•
Emergency stop switches with seal cap, instead of the existing ones.	!	•	•	•	•
Two pre-sensors for heavy rotating units, for additional safeguarding of persons requiring special protection.	!	•	•	•	☑
Sensor strips to automatically reduce the rotating speed when someone has been detected by the sensors.	!	•	•	•	•
Lighting by 2, 3 or 4 LEDs.		•	•		
Lighting by 3, 4, 6, 8, 9, 12 LEDs.					•

All dimensions in mm

☑ = Standard

! Safety device

Construction

- Increase passage height.
- Increase upper part of body.
- Insulation of outer upper part of the body.
- Water tray or waterproof cover of outer part of body, made of light metal.
- P4A glazing, impact-resistant glazing of body and door leaves.
- Heater band with thermostat (outside only) at floor rail level.
- Air curtain unit.
- Floor element; stainless steel floor ring for pre-installation.
- Stainless steel tub for the floor ring in the outer half (for drainage).
- Stainless steel plate, may be perforated, to apply floor covering.
- Stainless steel plate for floor element.
- Clamping rail for fixing on-site sealing foil, measure X = 150 or larger.
- Charcoal-grey coir floor covering (rep).
- Carpet as cleaning zone.



Finish

- AISI 304 stainless steel, satin finish or S8 mirror polished.
- E6 anodised in colour.
- Glass or metal body and door leaves powder coated in custom colour.

Function

- Dual drive upgrade.
- Emergency exit function including dual drive.

Electrical equipment

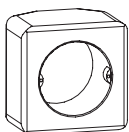
- Battery pack for the inside door leaf pair.
- Radar motion detectors for automatic starting.
- Different consoles.
- Key-operated push button or key switch.
- Light curtain on inner door radius to protect the passage area (required for people in need of special protection). 
- Emergency stop switch for installation in the mullion or for on-site installation in the area of the circular sliding door near drive or redundant drive. 
- Lighting by 2, 3, 4, 6, 8 LEDs.

CSD-C01

CSD-C02

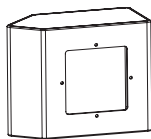
 Safety device

Console 1
plastic in RAL 9006
e.g. for contactless
reader



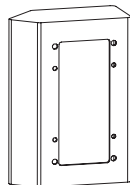
width 94 mm
height 94 mm
depth 65 mm

Console 4
stainless steel satin
finish



width 118 mm
height 93 mm
depth 60 mm

Console 5
stainless steel satin
finish

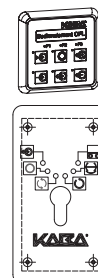


width 118 mm
height 164 mm
depth 60 mm

Release button



OPL 01
OPL 02
OPL 03



Key-operated
push button



RDR rotating units

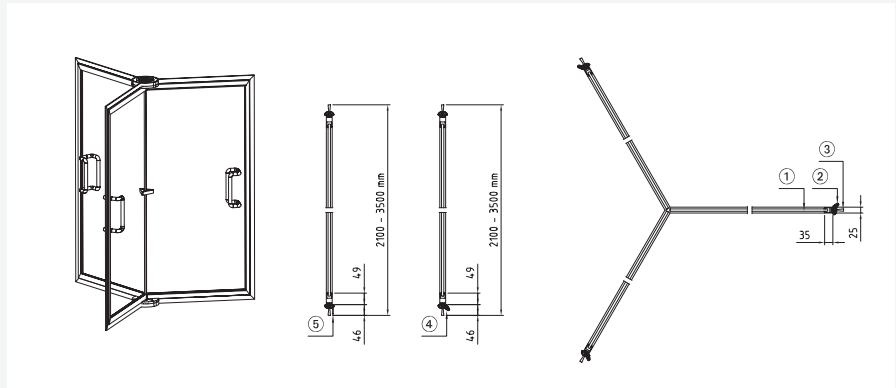
Rotating unit T25 – 120°

Outside diameter:
Ø 2100 to Ø 3300

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip (for SA1)
5. Finger protection strip (for SA2, N0 and N0-LR)

Rotating unit without centre column.

Profile depth 25 mm.



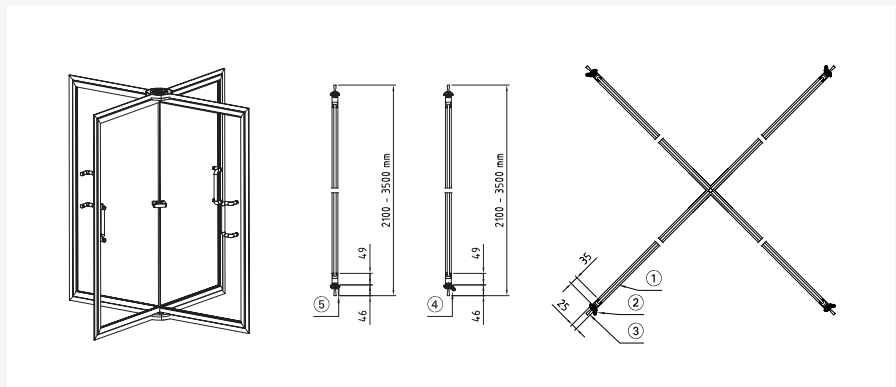
Rotating unit T25 – 180°

Outside diameter:
Ø 2100 to Ø 3300

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip
5. Finger protection strip (for SA2, N0 and N0-LR)

Rotating unit without centre column.

Profile depth 25 mm.



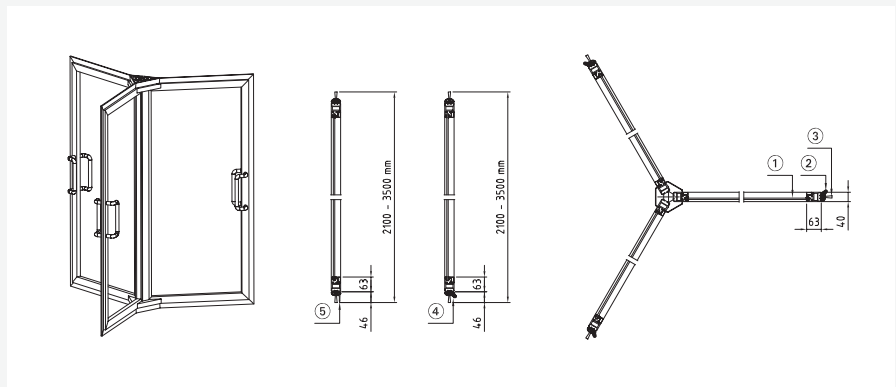
Rotating unit T40 – 120°

Outside diameter:
Ø 2100 to Ø 3700

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip (for SA1)
5. Finger protection strip (for SA2, N0 and N0-LR)

Rotating unit with centre column.

Profile depth 40 mm.



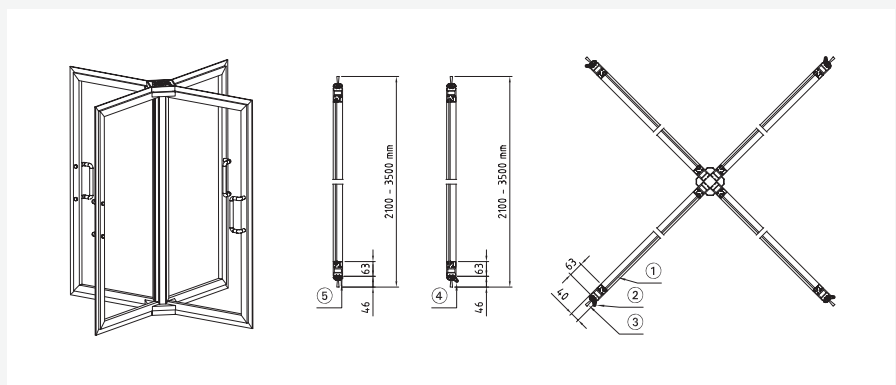
Rotating unit T40 – 180°

Outside diameter:
Ø 2100 to Ø 3700

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip (for SA1)
5. Finger protection strip (for SA2, N0 and N0-LR)

Rotating unit with centre column.

Profile depth 40 mm.



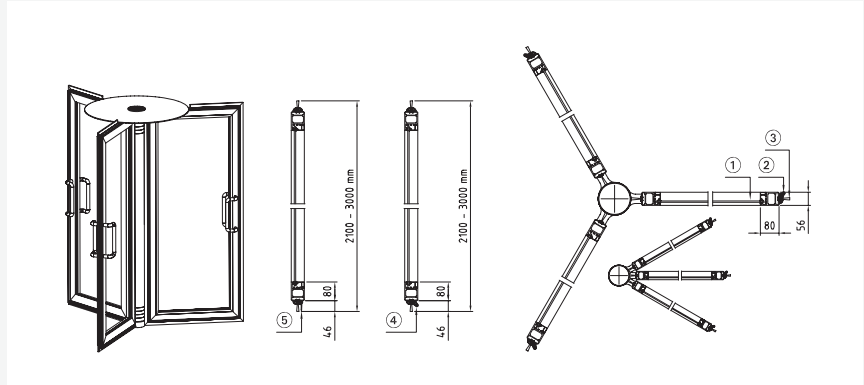
All dimensions in mm

Rotating unit T56 – 120°
– escape route

Outside diameter:
Ø 2100 to Ø 3700

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip
5. Finger protection strip

Rotating unit with centre column and emergency exit function. Profile depth 56 mm.

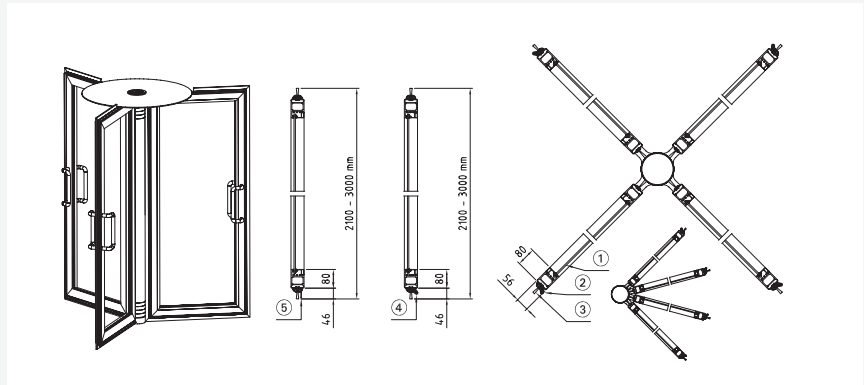


Rotating unit T56 – 180°
– escape route

Outside diameter:
Ø 2100 to Ø 3700

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip
5. Finger protection strip

Rotating unit with centre column and emergency exit function. Profile depth 56 mm.

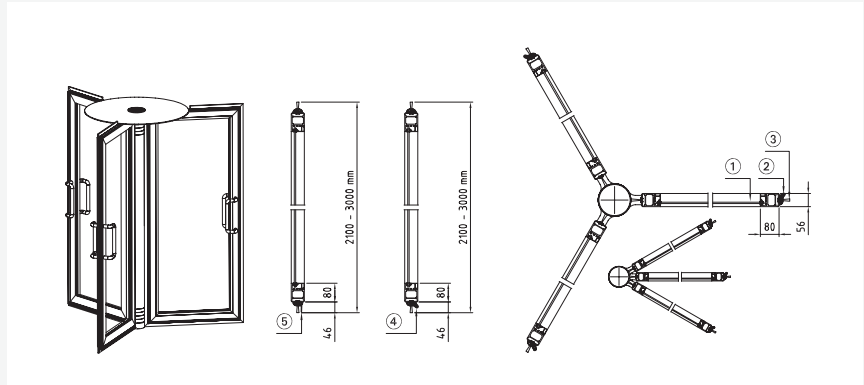


Rotating unit T56 – 120°
– escape route

Outside diameter:
Ø 3920 to Ø 4920

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip
5. Finger protection strip

Rotating unit with centre column and emergency exit function. Profile depth 56 mm.

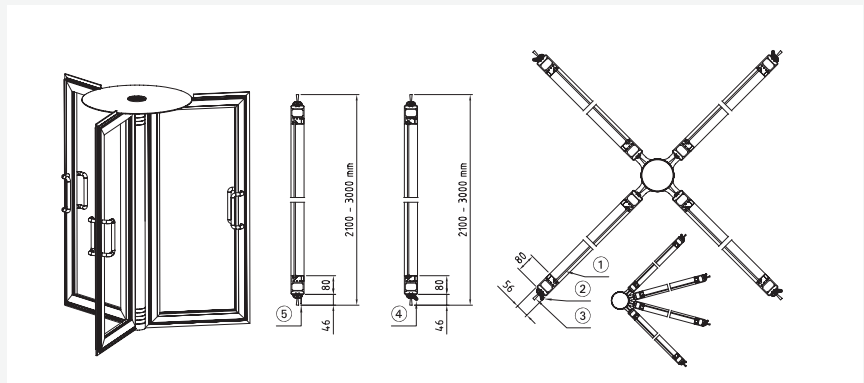


Rotating unit T56 – 180°
– escape route

Outside diameter:
Ø 3920 to Ø 4920

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip
5. Finger protection strip

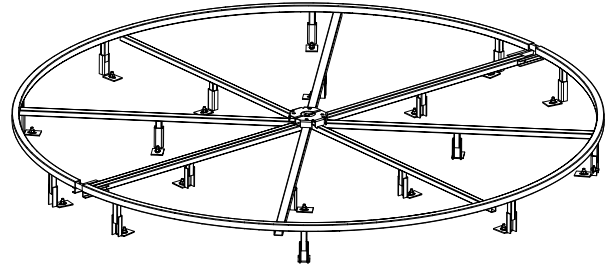
Rotating unit with centre column and emergency exit function. Profile depth 56 mm.



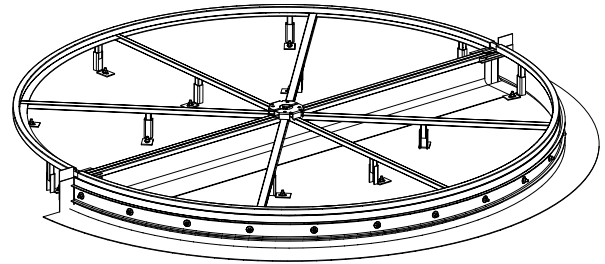
All dimensions in mm

Floor elements for RDR types

Floor element without stainless steel plate for sealing

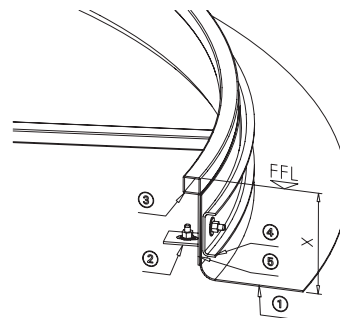


Floor element with stainless steel plate for sealing, measure X = 150 or larger



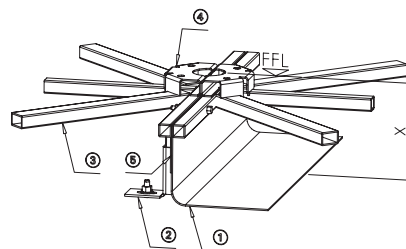
Detail: floor element with sealing foil at the outer radius, measure X = 150 or larger

1. Sealing foil 300 mm (self-adhesive) or on-site foil
 2. Stainless steel fastening clamp
 3. Continuous stainless steel ring (25 mm)
 4. Clamping rail with M8 welding stud
 5. Adjusting plate
- X: installation depth superstructure FFL to superstructure SFL



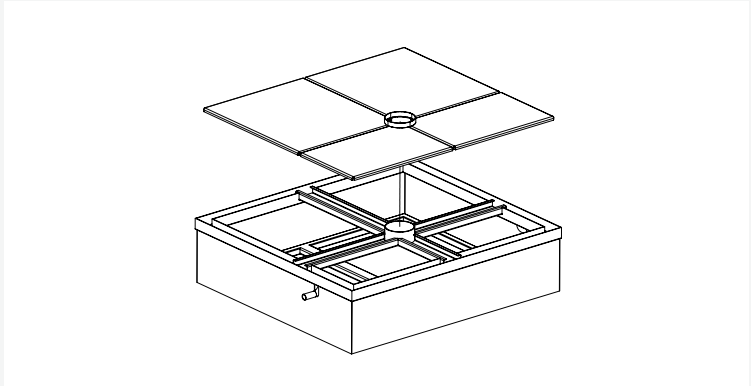
Detail: floor element with sealing foil in facade axis

1. Sealing foil 300 mm (self-adhesive) or on-site foil
 2. Stainless steel fastening clamp
 3. Stainless steel strut for connection and support
 4. Floor bearing fixing
 5. Adjusting plate
- X: installation depth superstructure FFL to superstructure SFL

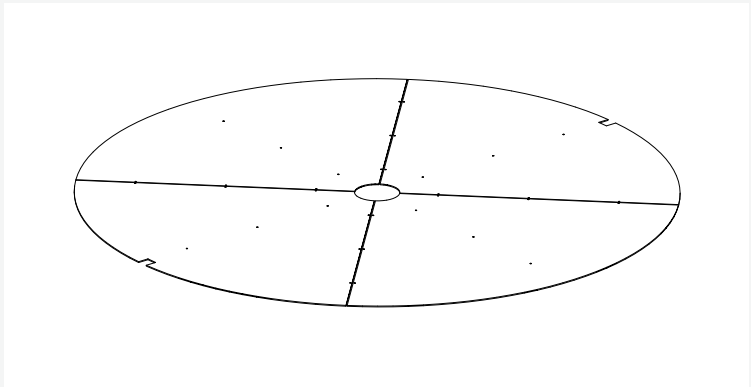


All dimensions in mm

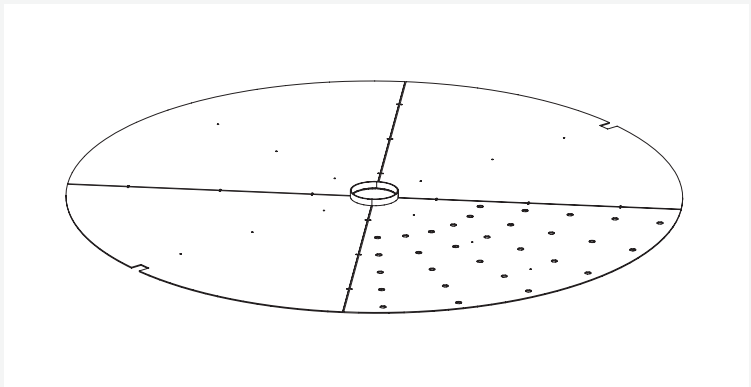
Drive box for floor pit, measure X = 350 or larger



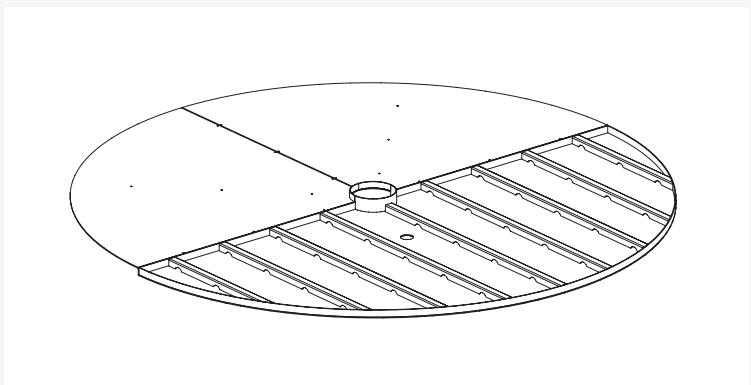
Stainless steel plate for floor element



Stainless steel plate for floor element – perforated (for drainage)



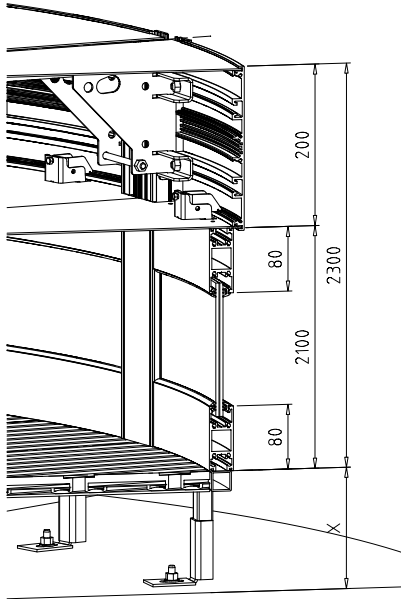
Floor element with water tray



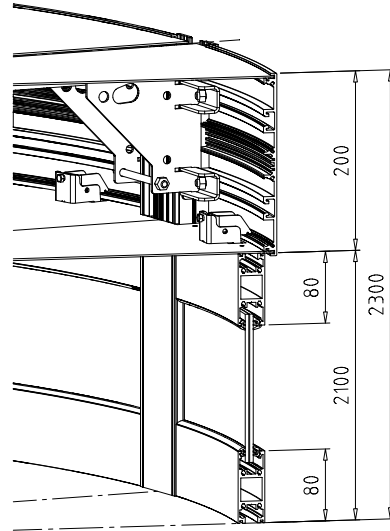
All dimensions in mm

Alternative bodies for RDR types

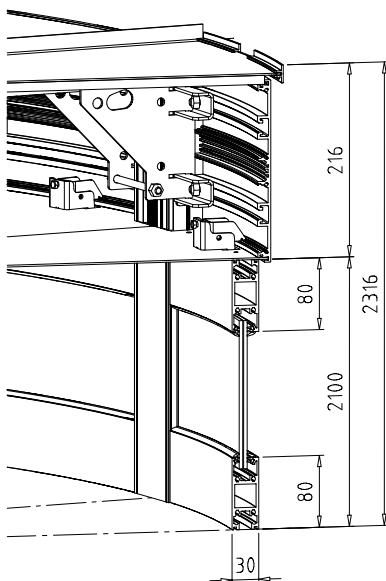
Body with floor element



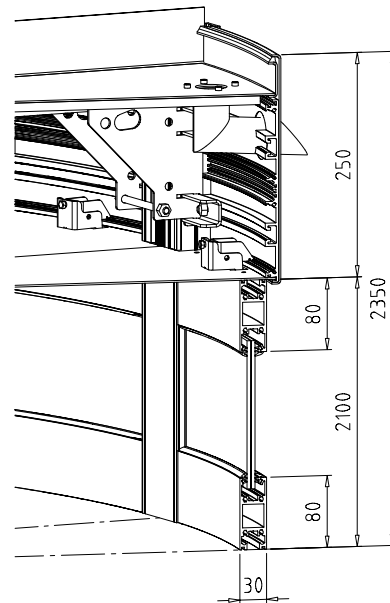
Body with dustproof cover



Body with waterproof cover

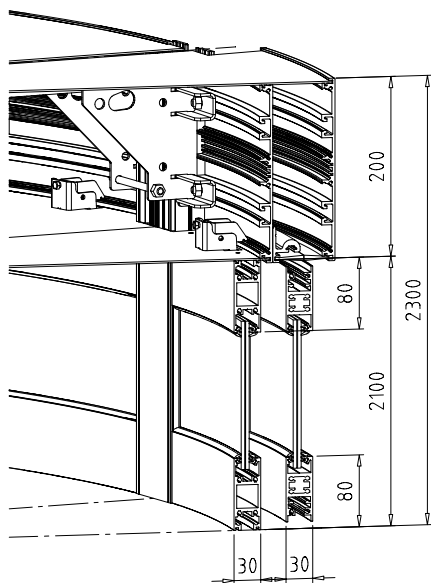


Body with water tray and spout

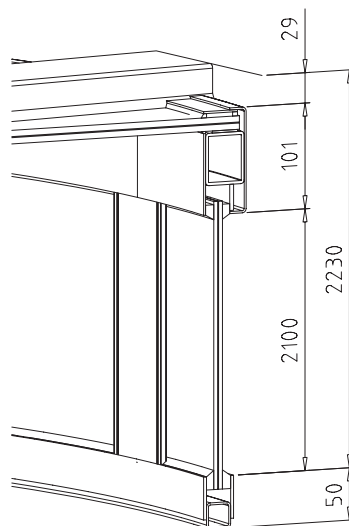


All dimensions in mm

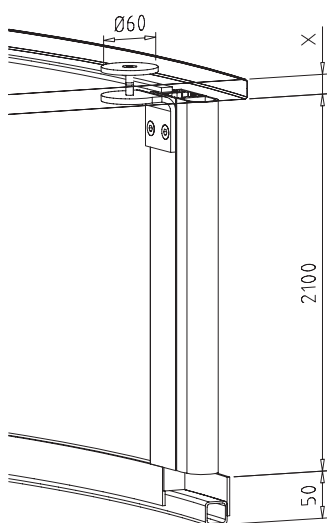
Body with night closure



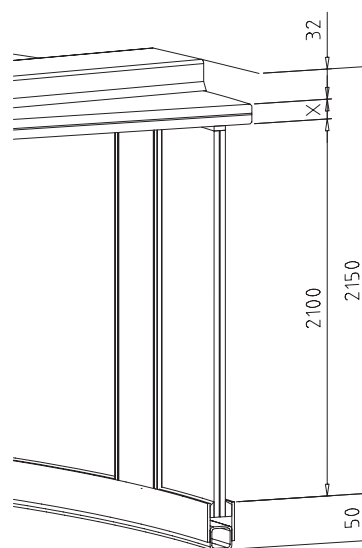
Body – glass ceiling with frame



Body – glass ceiling with point fixing



Body – glass ceiling without frame

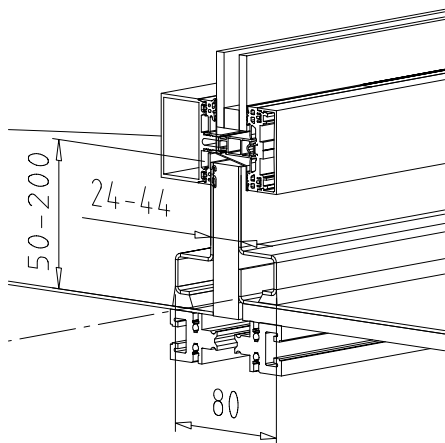


If the RDR-S01 is installed in the facade axis, we recommend providing additional weather protection using a roof with an appropriate downward slope

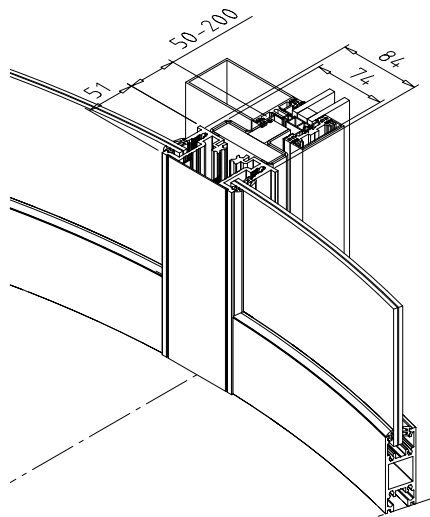
All dimensions in mm

RDR connections

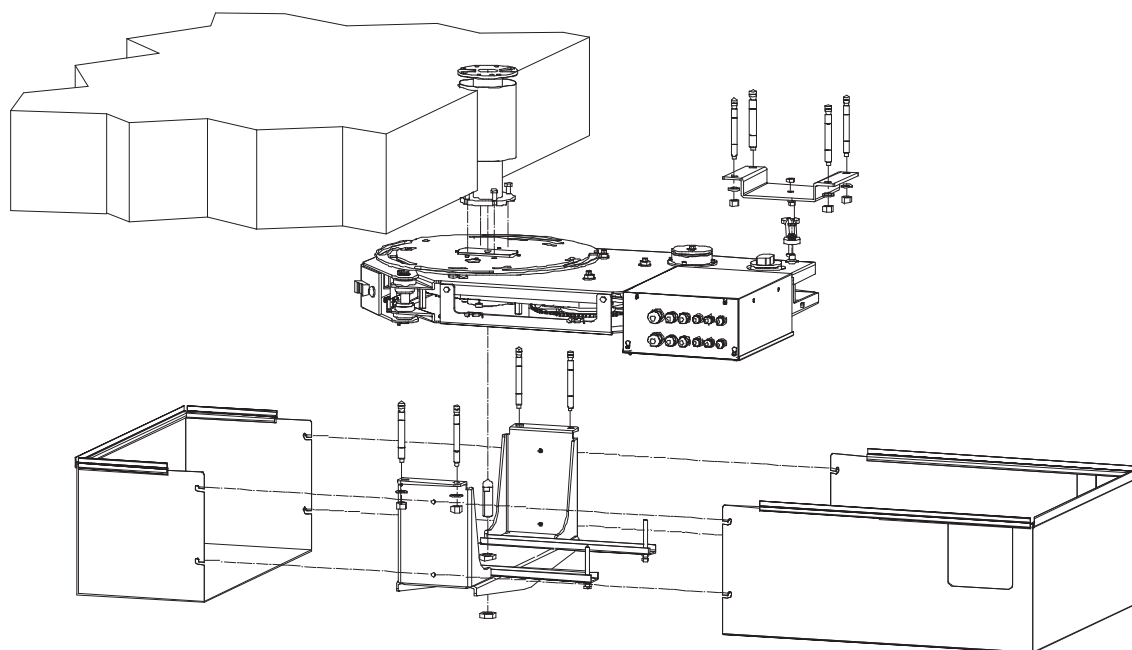
Example of 200 wall connection, top



Example of 200 wall connection, side



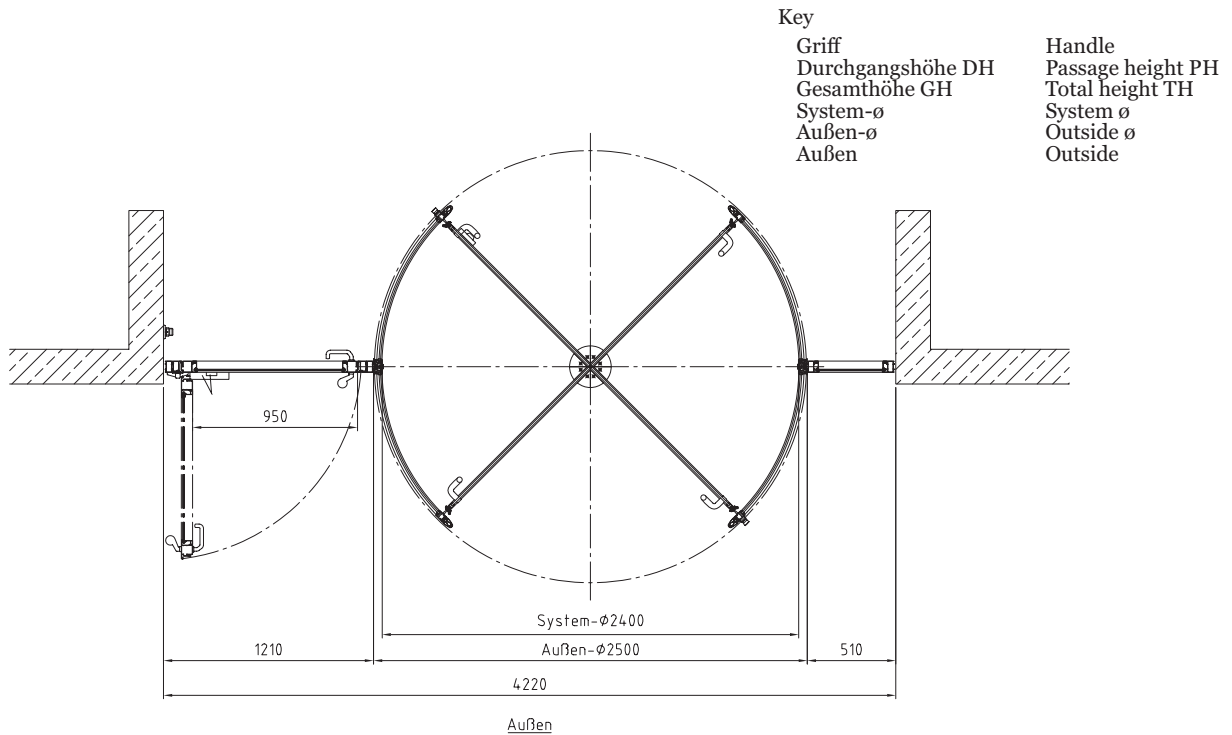
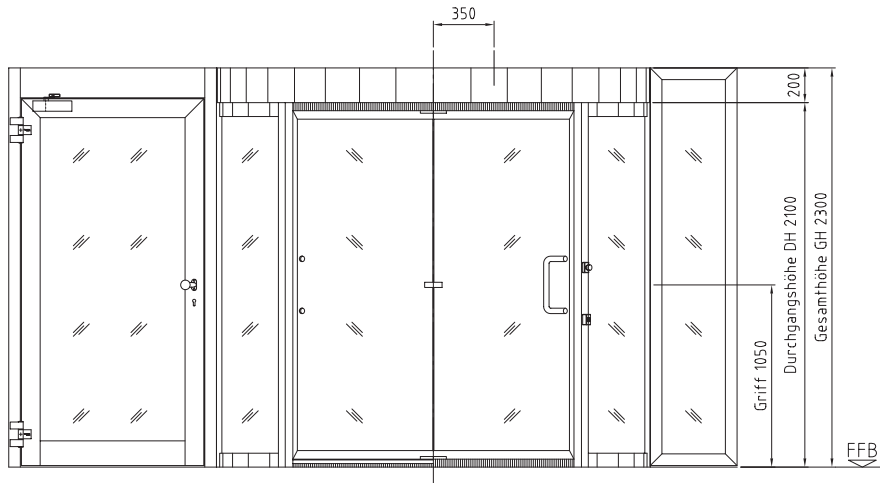
Underfloor drive



All dimensions in mm

Installation diagrams

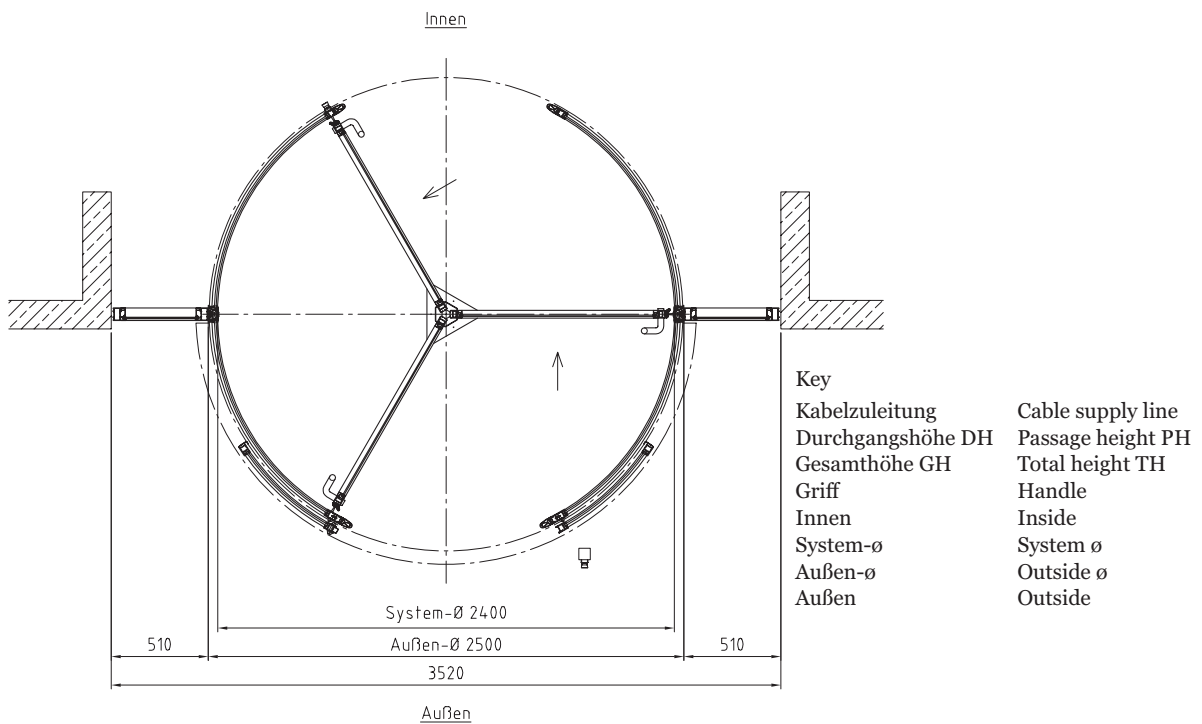
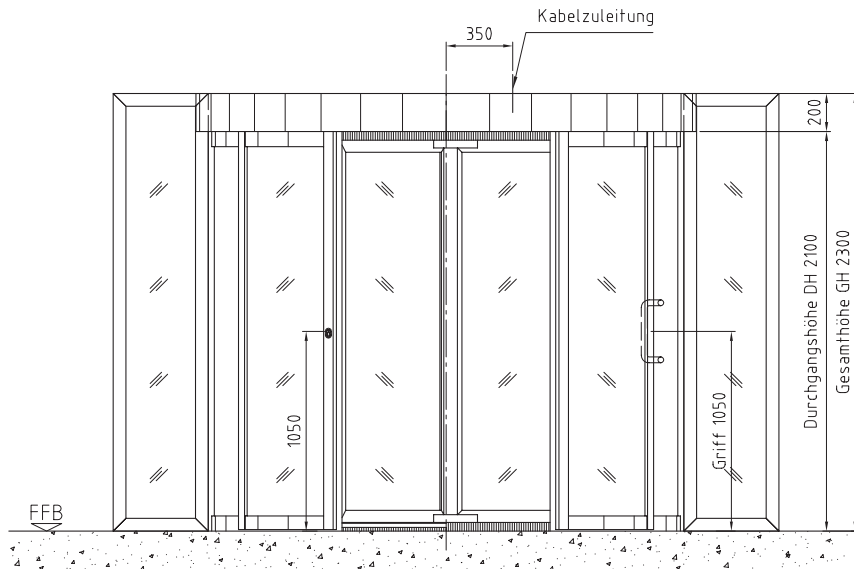
Example of Talos RDR-E01 (rotary cycle 180°), with emergency exit door according to DIN EN 179



All dimensions in mm

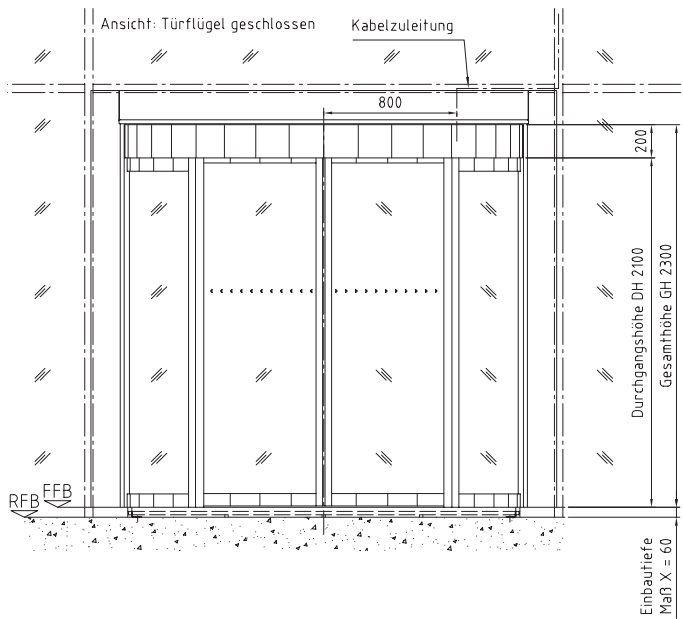
Installation diagrams

Example of Talos RDR-E01 (rotary cycle 120°), with night closure

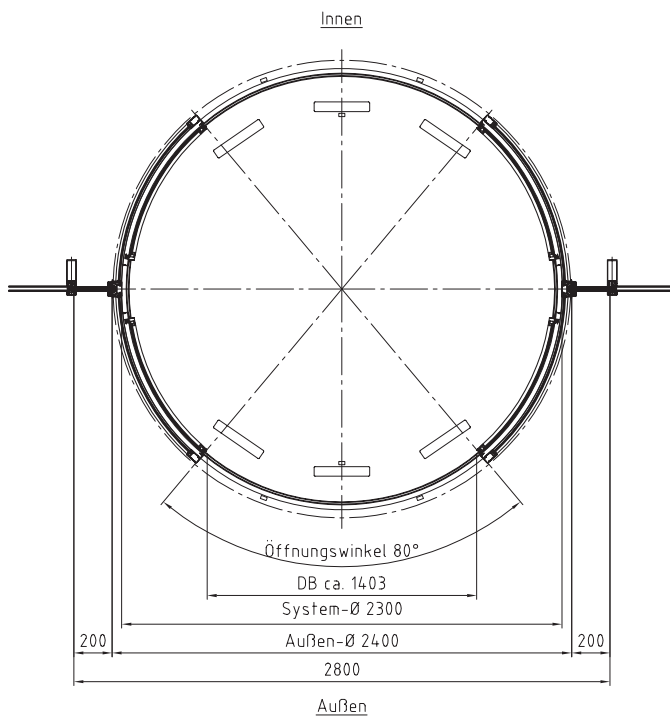


All dimensions in mm

Example of Talos CSD-C01 with wall connection to on-site facade



- | | |
|--------------------------------|------------------------|
| Key | |
| Ansicht: Türflügel geschlossen | View: door leaf closed |
| Kabelzuleitung | Cable supply line |
| Durchgangshöhe DH | Passage height PH |
| Gesamthöhe GH | Total height TH |
| Einbautiefe | Installation depth |
| Maß X | Measure X |
| Innen | Inside |
| Öffnungswinkel | Opening angle |
| DB | PW |
| System-ø | System ø |
| Außen-ø | Outside ø |
| Außen | Outside |



BEYOND SECURITY

