

Talos Revolving doors Circular sliding doors

Energy-Saving Talos Revolving Doors and Circular Sliding Doors

Convenient Transparent Timeless

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: 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 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 (responsible building authority)



Advantages of Talos Revolving Doors and Circular Sliding Doors

Versatility for users and operators.

Talos RDR revolving doors

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

Talos CSD circular sliding doors

- High frequency of passage
- · Solutions suitable for escape routes
- · Transparent all-glass units with filigree profiles
- Safety sensor system according to DIN EN 16005





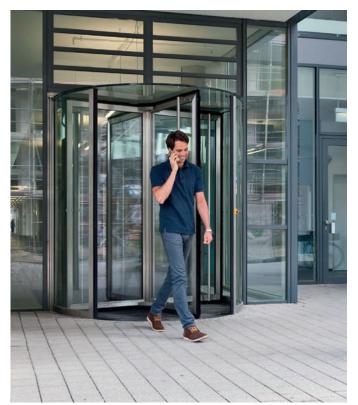
Barrier-free access for revolving doors by adding swing doors or sliding doors at the side, or alternatively by reducing the rotating speed.

The ideal solution for any access point



Four-leaved revolving door with approved emergency exit rotating unit





Circular sliding door with attractive profiles

Added security through night-time closure and better thermal separation when closed



- Hotels
- Office and administrative buildings
- Shopping centres

For a stylish entrance at:

- Airports
- Train stations
- Hospitals
- Banks and financial institutions
- Museums
- · Concert halls

Talos Revolving Doors RDR

Throughput = 16 to 28

Security level = ••••

Comfort = ••••

Talos Circular Sliding Doors CSD

Throughput = over 40

Security level = ••••

= ••••



Talos revolving doors









Standard units

Note	
Constru	ction
	Outside diameter
	Entrance and
	escape route width
	Total height
	Passage height
	Upper part of body
	Number of door leaves
	Rotary cycle
Body	Side panels
	Thermal separation
	Top cover/ceiling
	Maintenance openings

Rotatina	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

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)

RDR-C01

Additional options compared to RDR-E01.

2100 - 3700

See dimensions table on page 11.

2300

2100 200

4

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

In facade level.

Top dustproof cover made of raw aluminium

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.

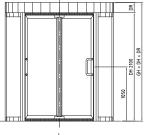
Black U-shaped handles.

Bolt lock prepared for on-site profile cylinder.

Powder-coated in a RAL colour.

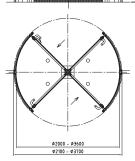
Can be revolved manually, smooth running.

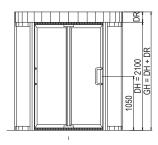
On finished floor level (FFL).

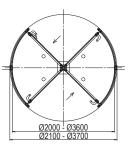












Talos revolving doors





Standard units

Note

Constructi	on Outside diameter
	Entrance and escape route width
	Total height
	Passage height
	Upper part of body
	Number of door leaves
	Rotary cycle
Body	Side panels
	Thermal separation
	Safety strips
	Top cover/ceiling
	Maintenance openings

Rotating unit

Safety strips	

Finish

Function

Electrical equipment

Installation

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

+

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.

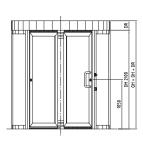
Two buttons, Ø 20, for disabled persons.

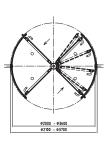
Two emergency stop switches.

Control system integrated in the unit.

Power supply 230 VAC, 50 Hz.

On finished floor level (FFL).









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.

Framed in T56 light metal profiles.

Tempered safety glass.

In the lower ceiling plate.

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.

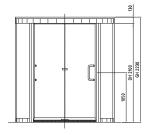
Two buttons, Ø 20, for disabled persons.

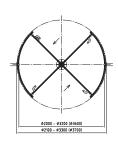
Two emergency stop switches.

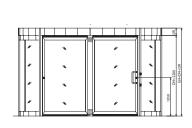
Control system integrated in the unit.

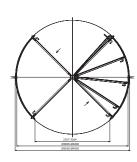
Power supply 230 VAC, 50 Hz.

On finished floor level (FFL).









Talos circular sliding doors





Standard units

Finish **Function**

Installation

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	Sliding door leaf			

CSD-C01

2000 - 4100

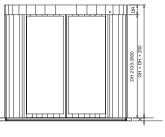
See dimensions table on page 11.
2300
2100
200
With 8 mm laminated safety glass, alternatively metal-clad.
In facade level.
Top cover made of raw aluminium plate, dustproof.
Removable ceiling panels.
Framed in light alloy profiles.
8 mm laminated safety glass panel.
Inner and outer doors double-leaved.
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 a le flancia CEL

CSD-C02

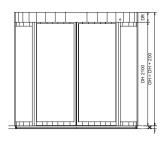
detectors.

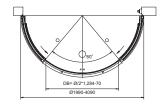
2000 - 4100
See dimensions table on page 11.
2300
2100
200
With 8 mm laminated safety glass, alternatively metal-clad.
In facade level.
Top cover made of raw aluminium plate, dustproof.
Removable ceiling panels.
Framed in light alloy profiles.
8 mm laminated safety glass panel.
Double-leaved.
Powder-coated in a RAL colour.
1 drive with control unit in the upper part of the body and 3 infrared motion

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









Dimensions tables

RDR-E01/RDR-C01	Ø outside	Ø inside	Entrance width	
	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	
PDR-C03	Ø outside	Ø inside	Entrance width	Essens routs width
DR-C03				Escape route width
	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
DR-S01	Ø outside	Ø inside	Entrance width	
	2100	2000	1332	
	2300	2200	1474	
	2500	2400	1615	
				_
	2700	2600	1756	
	2900	2800	1897	
	3100	3000	2039	
	3300	3200	2180	
	3700	3600	2463	
DR-C02	Ø outside	Ø inside	Entrance width	Escape route width
	3920	3800	2557	1825
	4120	4000	2698	1925
	4320	4200	2839	2025
	4520	4400	2981	2125
	4720	4600	3122	2225
	4920	4800	3264	2325
SD-C01	Ø outside	Ø inside	Entrance width	2323
.3D-C01	2000	1900	1140	
		2000		_
	2100		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	
SD-C02	Ø outside	Ø inside	Entrance width	
.3D-C02	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)

Construction	RDR-E01	RDR-C01	RDR-C03	RDR-S01	RDR-C02
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 CO2, CO3 standard) or radar motion detectors for automatic starting.	•	•	•	•	•
Buttons for disabled users 70×70 in console 4 with wheelchair symbol, alternative to the SA1 buttons for disabled users.		•	•	•	•
Different consoles.	•	•	•	•	•
Key-operated push button or key switch.		•	•	•	V
Operating panels.		•		•	•
Emergency stop switches with seal cap, instead of the existing ones.		•	•	•	•
Pre-sensors for heavy rotating units, for additional safeguarding of persons requiring special protection.		•	•	•	V
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		9 9	afet	y dev	ice

12

Construction	CSD-C01	CSD-C02
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.	•	•

Safety device

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

Console 4 stainless steel satin finish Console 5 stainless steel satin finish Two emergency stop switches.

OPL 01 OPL 02 OPL 03



width 94 mm height 94 mm depth 65 mm



width 118 mm height 93 mm depth 60 mm



width 118 mm height 164 mm depth 60 mm





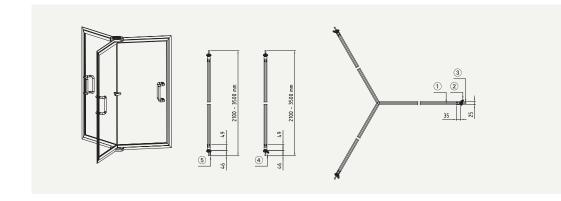
Revolving doors

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, NO and NO-LR)

Rotating unit without centre column. Profile depth 25 mm.

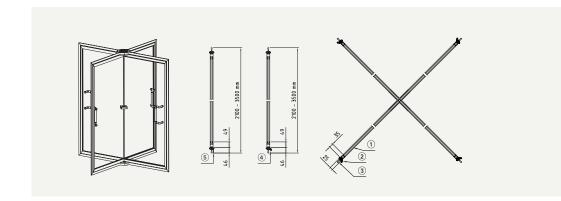


Rotating unit T25 - 180°

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, NO and NO-LR)

Rotating unit without centre column. Profile depth 25 mm.

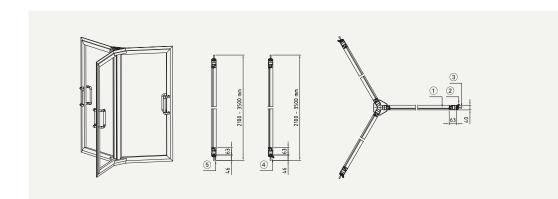


Rotating unit T40 – 120°

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, NO and NO-LR)

Rotating unit with centre column. Profile depth 40 mm.



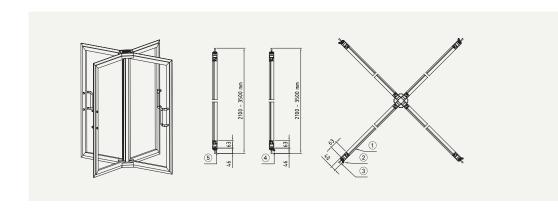
Rotating unit T40 – 180°

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, NO and NO-LR)

Rotating unit with centre column. Profile depth 40 mm.



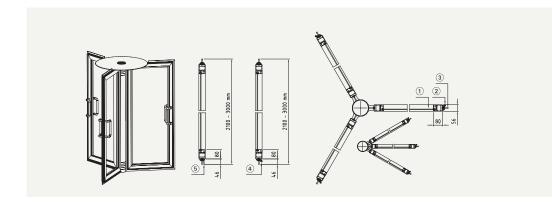
Rotating unit T56 – 120°

- 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.



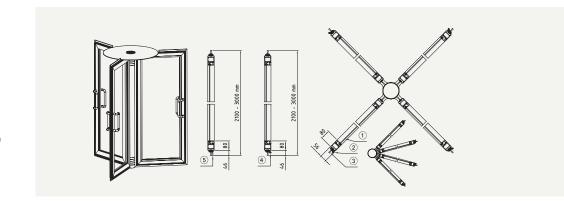
Rotating unit T56 – 180°

– 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°

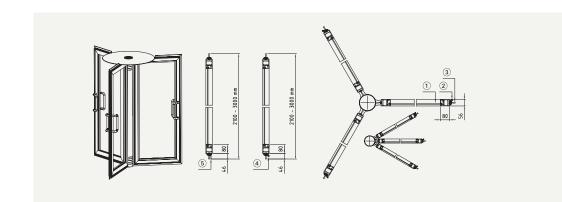
– escape route

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°

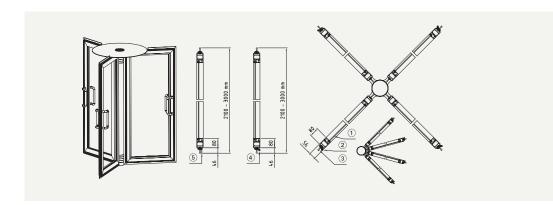
– escape route

Outside diameter:

Ø 3920 to Ø 4920

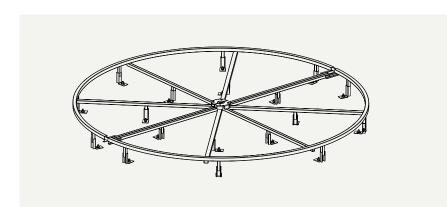
- 1. Toughened safety glass
- 2. Safety strip
- 3. Sealing brush
- 4. Safety strip
- 5. Finger protection strip

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

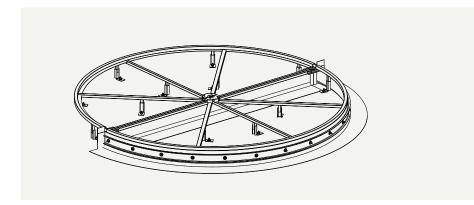


Revolving door floor element

Floor element without stainless steel plate for sealing

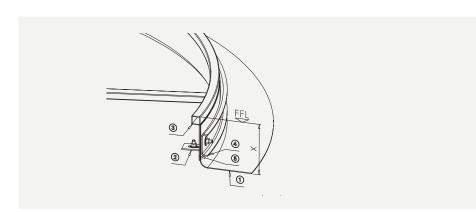


Floor element with stainless steel plate for sealing, measure X = 150 or larger.



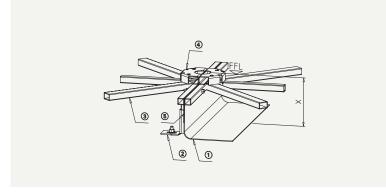
Detail: floor element with sealing foil at the outer radius, measure X = 150 or larger.

- 1. Sealing foil 300 mm (self-adhesive) or onsite 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 OK FFL to OK SFL

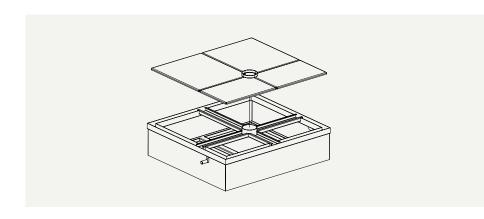


Detail: floor element with sealing foil in facade axis

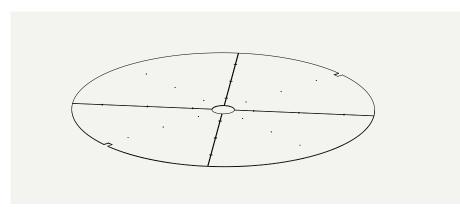
- 1. Sealing foil 300 mm (self-adhesive) or onsite foil
- 2. Stainless steel fastening clamp
- 3. Stainless steel strut for connection and support
- 4. Floor bearing fixing
- 5. Adjusting plate
- X: installation depth OK FFL to OK SFL



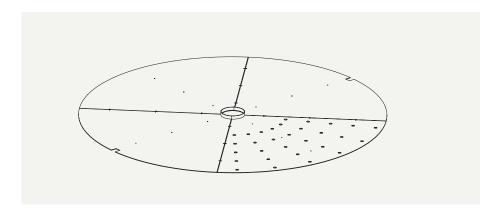
Drive box for floor pit, measure X = 350 or larger



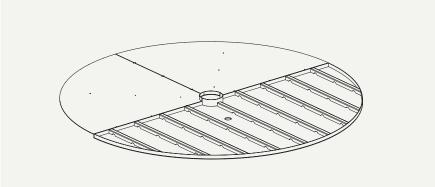
Stainless steel plate for floor element



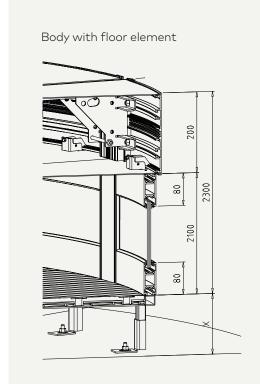
Stainless steel plate for floor element – perforated (for drainage)



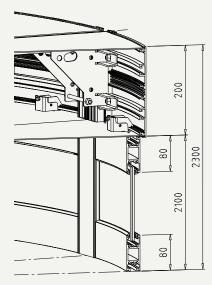
Floor element with water tray



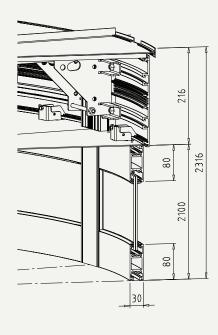
Body variants for revolving doors



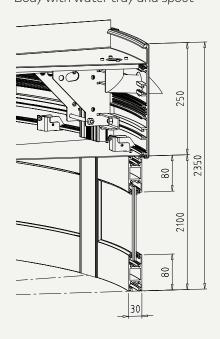


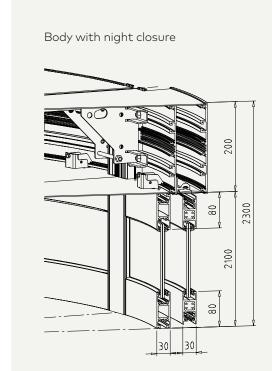


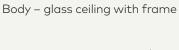
Body with waterproof cover

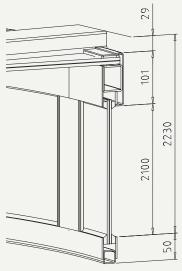


Body with water tray and spout

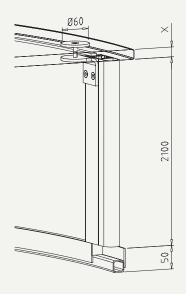




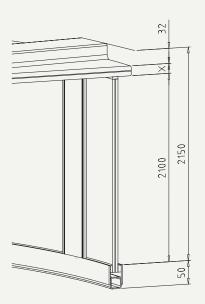




Body – glass ceiling with point fixing

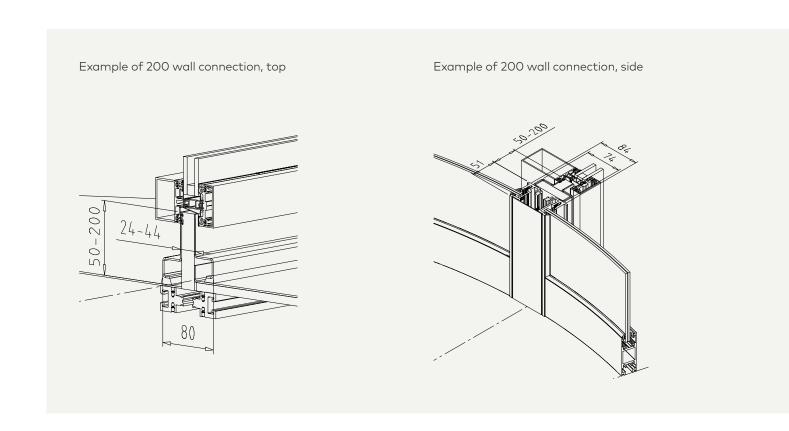


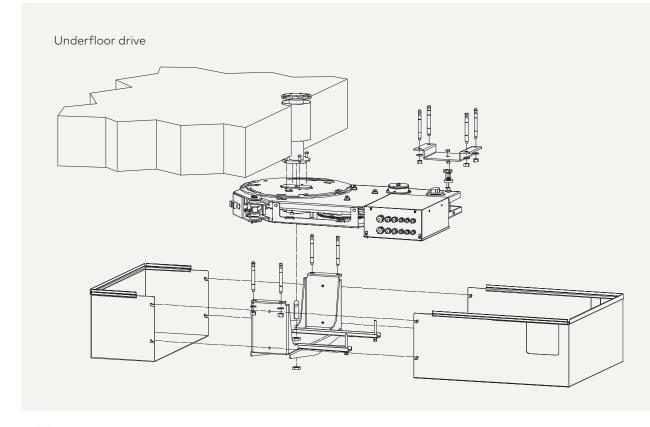
Body – glass ceiling without frame



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

Revolving door connections

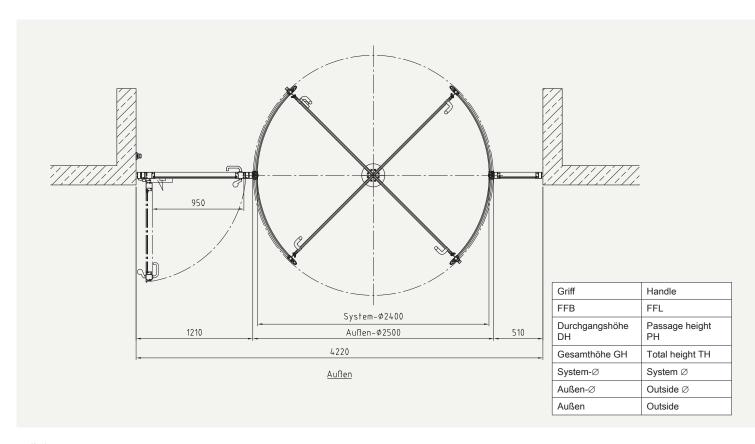




Installation diagrams

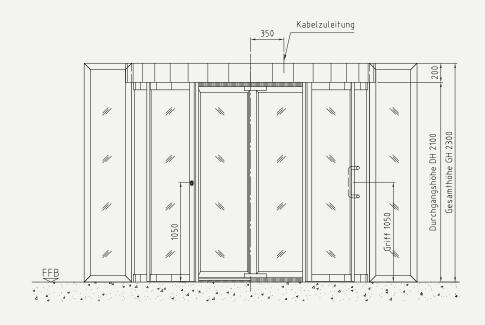
Example of Talos RDR-E01 (rotary cycle 180°), with emergency exit door according to DIN EN 179

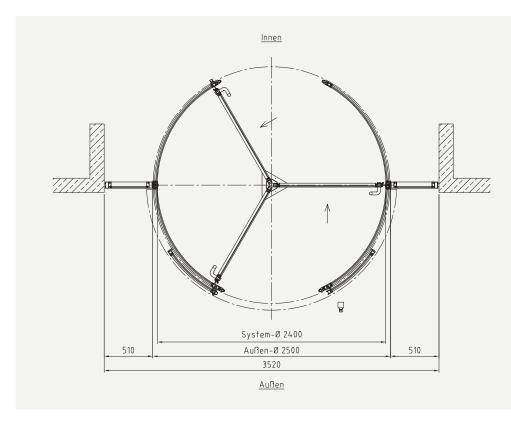




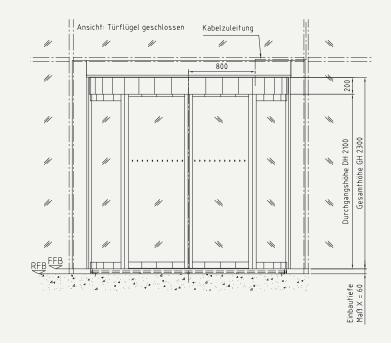
Installation diagrams

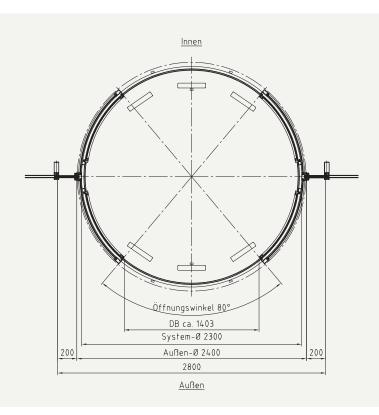






Example of Talos CSD-C01 with wall connection to on-site facade





Kabelzuleitung	Cable supply line
Griff	Handle
FFB	FFL
Durchgangshöhe DH	Passage height PH
Gesamthöhe GH	Total height TH
Innen	Inside
System-Ø	System Ø
Außen-Ø	Outside Ø
Außen	Outside
Ansicht: Türflügel geschlossen	View: Door leaf closed
RFB	SFL
Einbautiefe	Installation depth
Maß X	Measure X
Öffnungswinkel	Opening angle
DB ca. 9999	DB approx. 9999



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