



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 easier 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

Revolving door with a glass ceiling without strip



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



For a stylish entrance at:

- Hotels
- Office and administrative buildings
- Shopping centres
- Airports
- Train stations
- Hospitals
- Banks and financial institutions
- Museums
- Concert halls

Talos Revolving Doors RDR

Throughput = 16 to 28
rate per minute
(1 direction)

Security level = ●●●○○

Comfort = ●●●○○

Talos Circular Sliding Doors CSD

Throughput = over 40
rate per minute
(1 direction)

Security level = ●●●○○

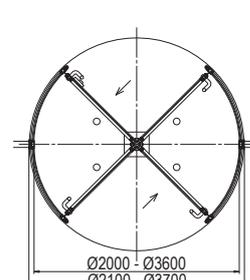
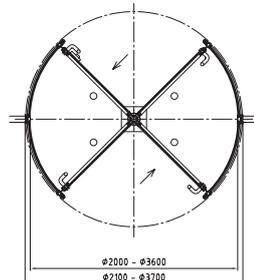
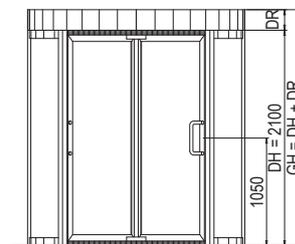
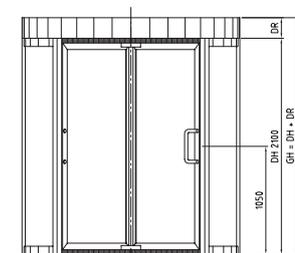
Comfort = ●●●○○



Talos revolving doors



Standard units	RDR-E01	RDR-C01
Note		Additional options compared to RDR-E01.
Construction		
Outside diameter	2100 – 3700	2100 – 3700
Entrance and escape route width	See dimensions table on page 11.	See dimensions table on page 11.
Total height	2300	2300
Passage height	2100	2100
Upper part of body	200	200
Number of door leaves	4	4
Rotary cycle	180°	180°
Body		
Side panels	With 8 mm laminated safety glass, alternatively metal-clad.	With 8 mm laminated safety glass, alternatively metal-clad.
Thermal separation	In facade level.	In facade level.
Top cover/ceiling	Top dustproof cover made of raw aluminium plate.	Top dustproof cover made of raw aluminium plate.
Maintenance openings	Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).	Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).
Rotating unit		
	Framed in T40 light metal profiles.	Framed in T40 light metal profiles.
	Tempered safety glass.	Tempered safety glass.
	With sealing brushes.	With sealing brushes.
	Black U-shaped handles.	Black U-shaped handles.
	Bolt lock prepared for on-site profile cylinder.	Bolt lock prepared for on-site profile cylinder.
Finish	Powder-coated in a RAL colour.	Powder-coated in a RAL colour.
Function	Can be revolved manually, smooth running.	Can be revolved manually, smooth running.
Installation	On finished floor level (FFL).	On finished floor level (FFL).



official member of

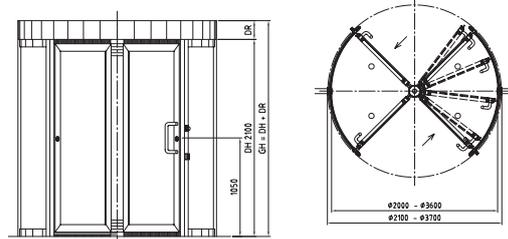


All dimensions in mm

Talos revolving doors



Standard units	RDR-C03
Note	Including emergency exit function, activated using emergency stop switch located on inner corner post.
Construction	2100 – 3700
Outside diameter	See dimensions table on page 11.
Entrance and escape route width	2300
Total height	2100
Passage height	200
Upper part of body	4
Number of door leaves	180°
Rotary cycle	With 8 mm laminated safety glass, alternatively metal-clad.
Body	In facade level.
Side panels	On opposite closing edges.
Thermal separation	Top dustproof cover made of raw aluminium plate.
Safety strips	Two maintenance openings in the lower ceiling plate (for DL option, outer opening can be locked using customer's profile half cylinder).
Top cover/ceiling	Framed in T56 light metal profiles.
Maintenance openings	Tempered safety glass, including break-out symbols to stick on the door leaves.
Rotating unit	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.
Finish	Fully automatic K8-SA1 with OPL 01 and KGB emergency escape module.
Function	Motion started using infrared sensors.
	Reverse button in the entrance segments.
	Two buttons, Ø 20, for disabled persons.
	Two emergency stop switches.
Electrical equipment	Control system integrated in the unit.
	Power supply 230 VAC, 50 Hz.
Installation	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.

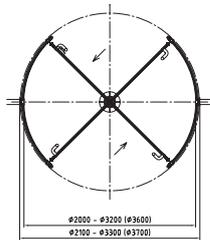
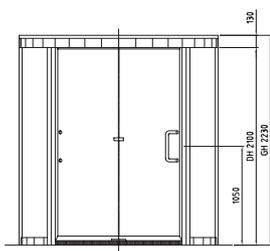
Black U-shaped handles.

Bolt lock prepared for on-site profile cylinder (closed downwards).

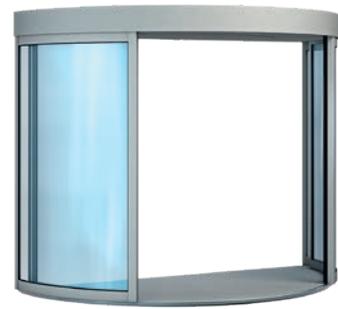
Powder-coated in a RAL colour.

Can be revolved manually, smooth running.

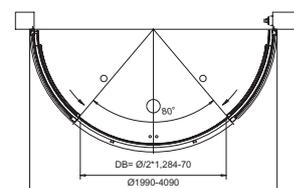
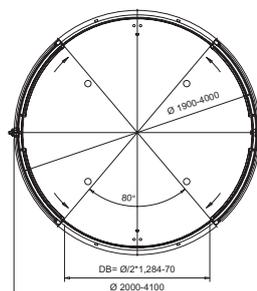
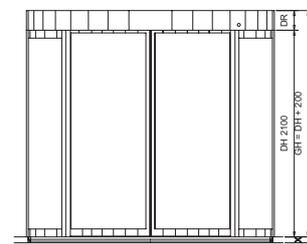
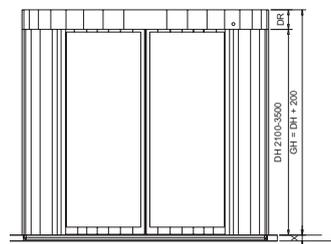
On finished floor level (FFL).



Talos circular sliding doors



Standard units	CSD-C01	CSD-C02
Construction		
Outside diameter	2000 - 4100	2000 - 4100
Entrance and escape route width	See dimensions table on page 11.	See dimensions table on page 11.
Total height	2300	2300
Passage height	2100	2100
Upper part of body	200	200
Body		
Side panels	With 8 mm laminated safety glass, alternatively metal-clad.	With 8 mm laminated safety glass, alternatively metal-clad.
Thermal separation	In facade level.	In facade level.
Top cover/ceiling	Top cover made of raw aluminium plate, dustproof.	Top cover made of raw aluminium plate, dustproof.
Maintenance openings	Removable ceiling panels.	Removable ceiling panels.
Sliding door leaf		
	Framed in light alloy profiles.	Framed in light alloy profiles.
	8 mm laminated safety glass panel.	8 mm laminated safety glass panel.
	Inner and outer doors double-leaved.	Double-leaved.
Finish	Powder-coated in a RAL colour.	Powder-coated in a RAL colour.
Function	2 drives with control unit and 6 infrared motion detectors for automatic opening in the upper part of the body.	1 drive with control unit in the upper part of the body and 3 infrared motion detectors.
Installation	On sub floor level SFL, measure X = 60 - 79.	On sub floor level SFL, measure X = 60 - 79.



All dimensions in mm

Dimensions tables

RDR-E01/ RDR-C01	Ø outside	Ø inside	Entrance width 180°	Escape route width 180°	Entrance width 120°	Escape route width 120°
	2100	2000	1332		849	
	2200/2300	2100/2200	1402/1474		944/994	
	2400/2500	2300/2400	1544/1615		1044/1094	
	2600/2700	2500/2600	1685/1756		1144/1194	
	2800/2900	2700/2800	1826/1897		1244/1294	
	3000/3100	2900/3000	1968/2039		1344/1394	
	3200/3300	3100/3200	2109/2180		1444/1494	
	3400/3500	3300/3400	2251/2322		1544/1594	
	3600/3700	3500/3600	2392/2463		1644/1694	
RDR-C03	Ø outside	Ø inside	Entrance width 180°	Escape route width 180°	Entrance width 120°	Escape route width 120°
	2100	2000	1300	925	849	930
	2200/2300	2100/2200	1370/1440	975/1025	944/994	980/1030
	2400/2500	2300/2400	1510/1580	1075/1125	1044/1094	1080/1130
	2600/2700	2500/2600	1650/1720	1175/1225	1144/1194	1180/1230
	2800/2900	2700/2800	1790/1860	1275/1325	1244/1294	1280/1330
	3000/3100	2900/3000	1930/2000	1375/1425	1344/1394	1380/1430
	3200/3300	3100/3200	2070/2140	1475/1525	1444/1494	1480/1530
	3400/3500	3300/3400	2210/2280	1575/1625	1544/1594	1580/1630
	3600/3700	3500/3600	2350/2420	1675/1725	1644/1694	1680/1730
RDR-S01	Ø outside	Ø inside	Entrance width 180°		Entrance width 120°	
	2100	2000	1332		849	
	2300	2200	1474		994	
	2500	2400	1615		1094	
	2700	2600	1756		1194	
	2900	2800	1897		1294	
	3100	3000	2039		1394	
	3300	3200	2180		1494	
	3700	3600	2463		1694	
CSD-C01	Ø outside	Ø inside	Entrance width 180°			
	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	Ø outside	Ø inside	Entrance width 180°			
	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
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).	•	•	•	•
Electrical equipment				
Infrared (except for 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.	•	•	•	•
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.	•	•	•	
All dimensions in mm				

☑ = Standard

! Safety device

	CSD-C01	CSD-C02
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.	•	•

 **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

Two emergency
stop switches.



OPL 01
OPL 02
OPL 03



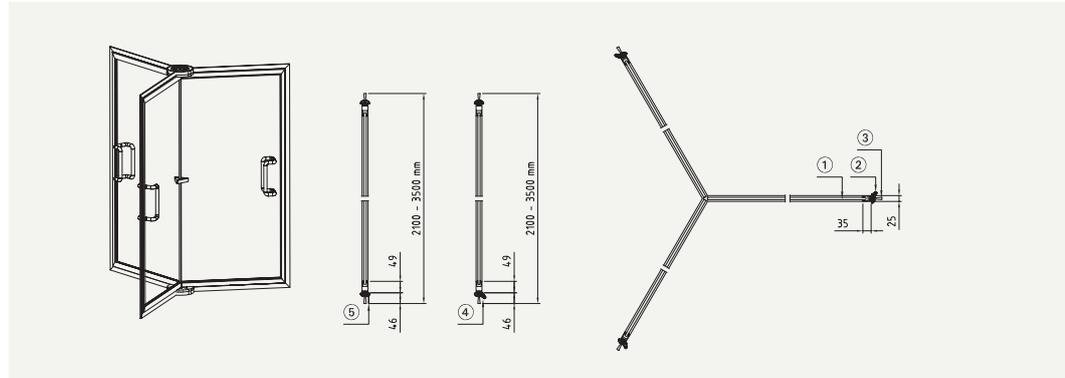
Revolving doors

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, N0 and N0-LR)

Rotating unit without centre column.
 Profile depth 25 mm.

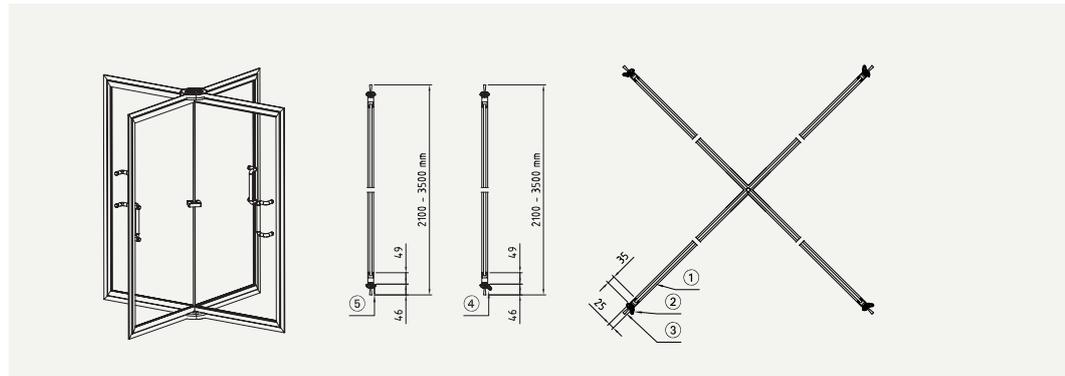


Rotating unit T25 – 180°

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.

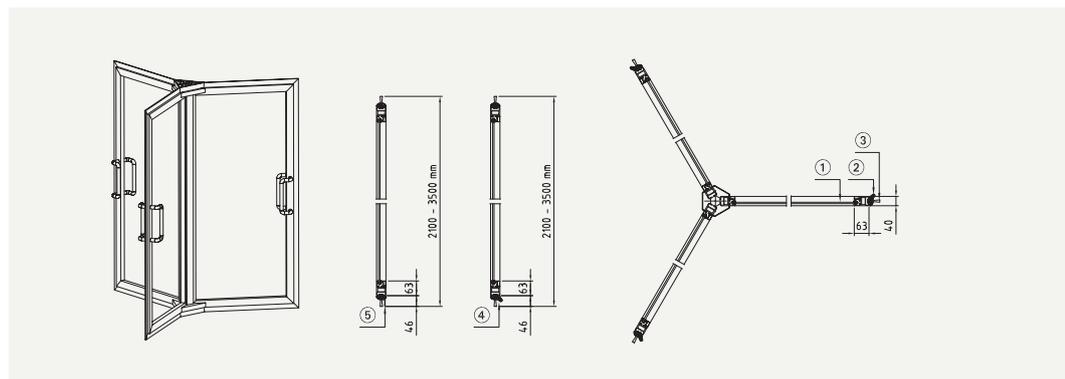


Rotating unit T40 – 120°

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.

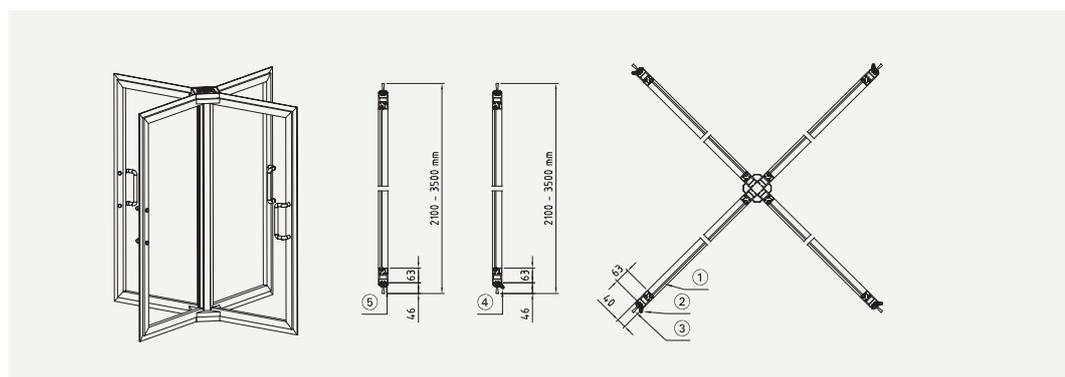


Rotating unit T40 – 180°

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°

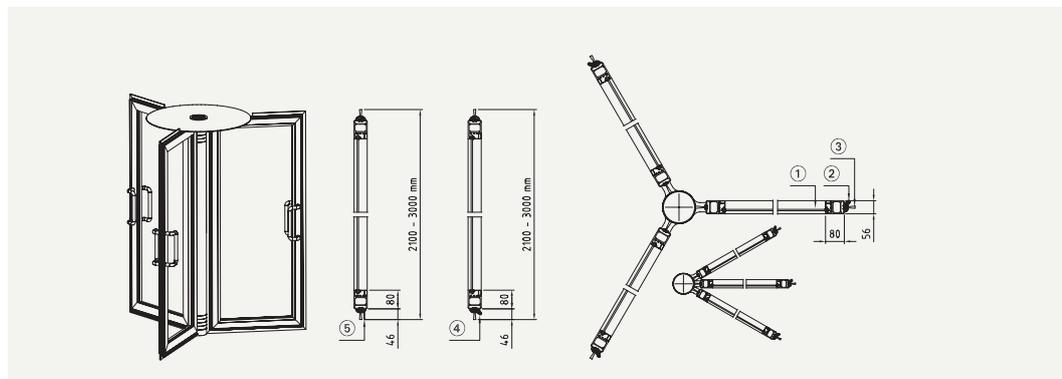
– escape route

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°

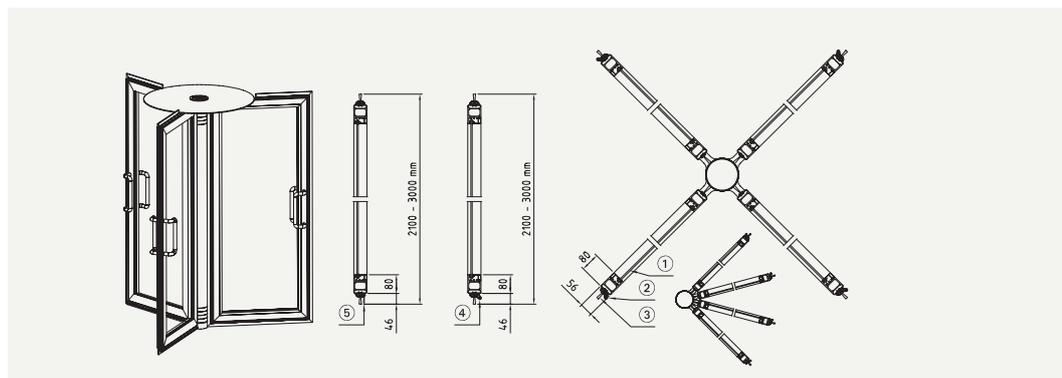
– escape route

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°

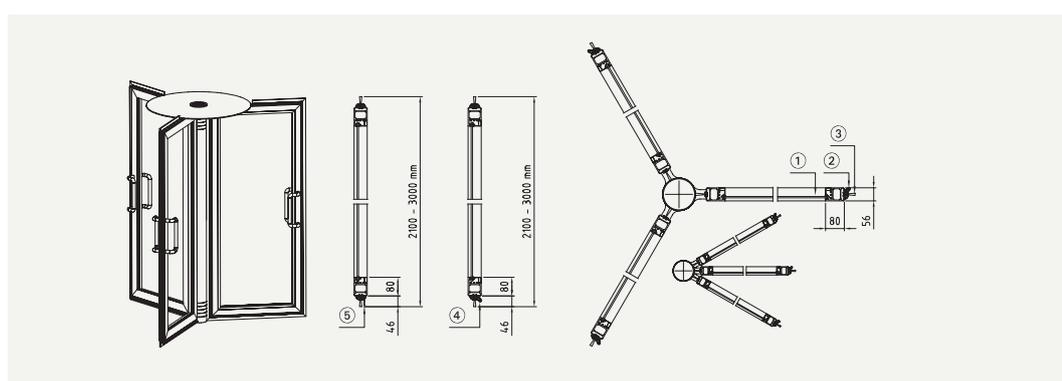
– escape route

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°

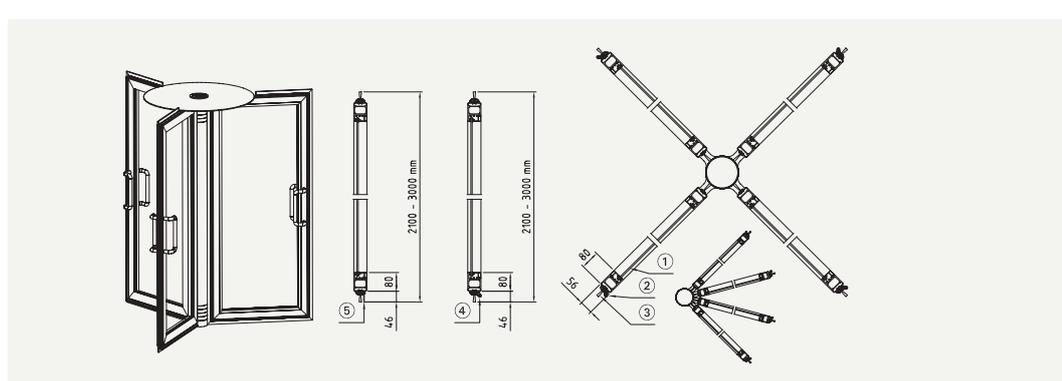
– escape route

Outside diameter:

Ø 3920 to Ø 4920

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

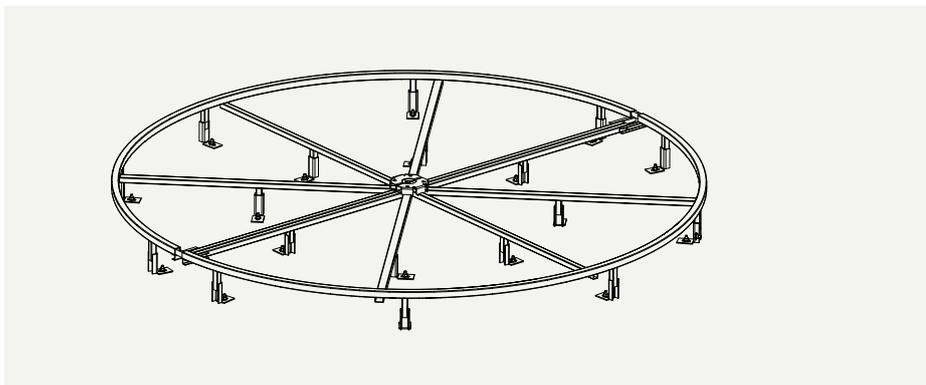
Rotating unit with centre column and emergency exit function. Profile depth 56 mm.



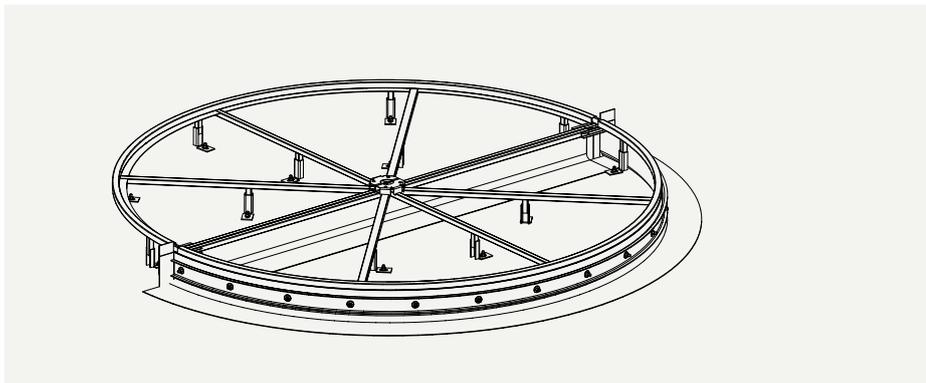
All dimensions in mm

Revolving door floor element

Floor element without stainless steel plate for sealing

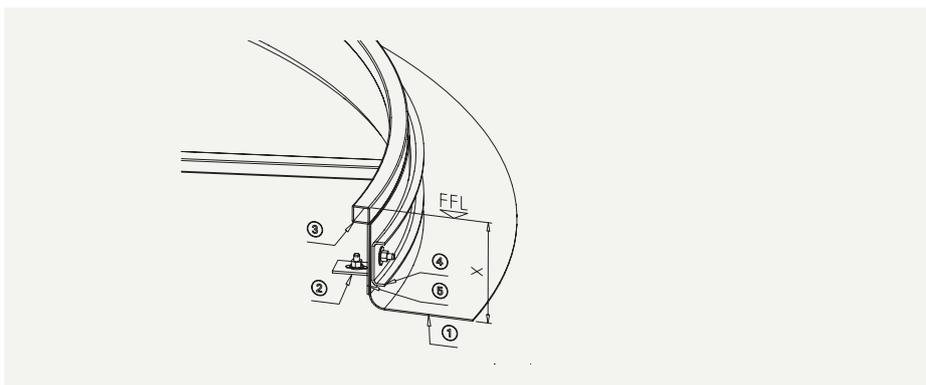


Floor element with stainless steel plate for sealing, measure X = 150 or larger.



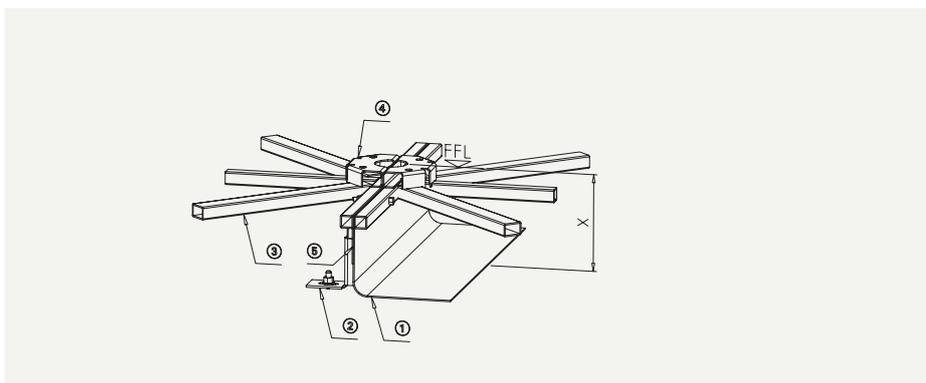
Detail: floor element with sealing foil at the outer radius, measure X = 150 or larger.

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



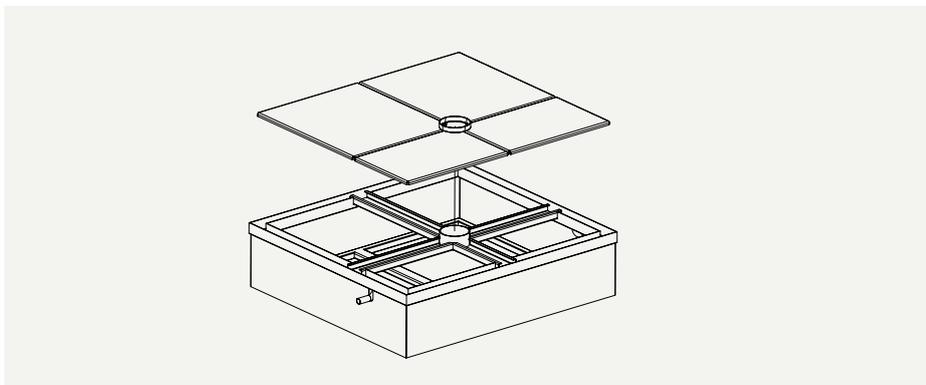
Detail: floor element with sealing foil in facade axis

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 OK FFL to OK SFL

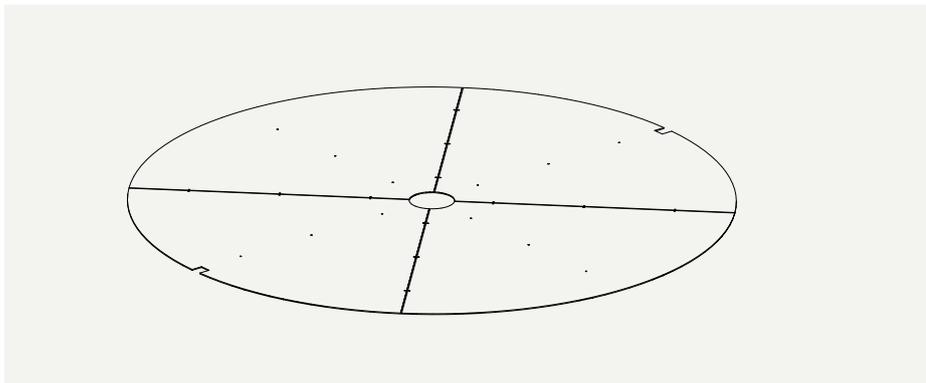


All dimensions in mm

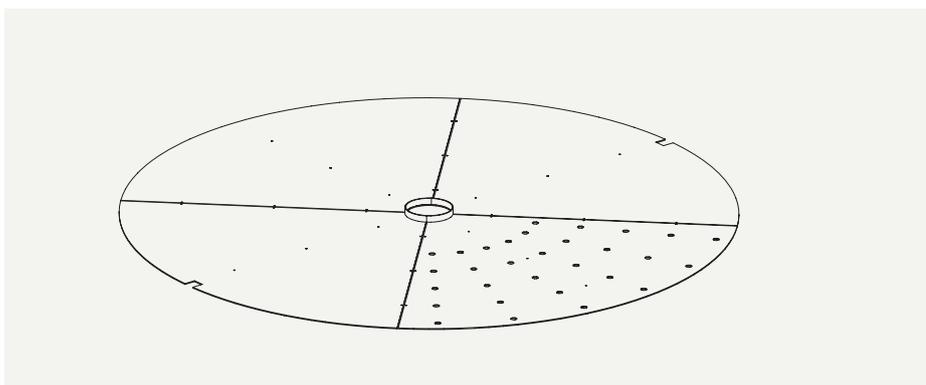
Drive box for floor pit, measure X = 350 or larger



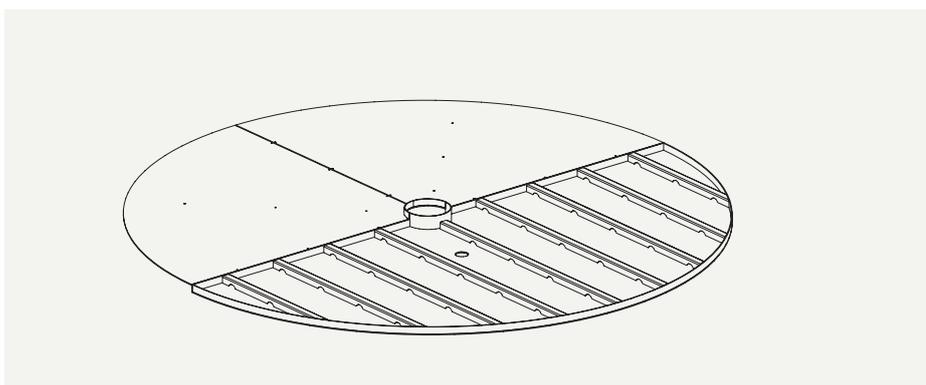
Stainless steel plate for floor element



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



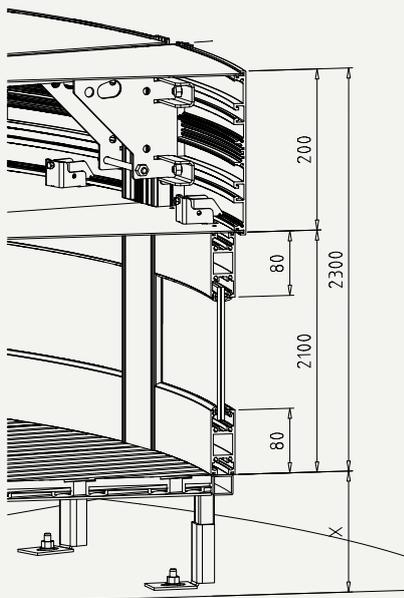
Floor element with water tray



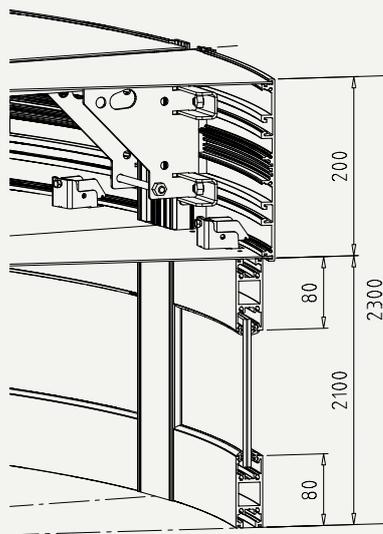
All dimensions in mm

Body variants for revolving doors

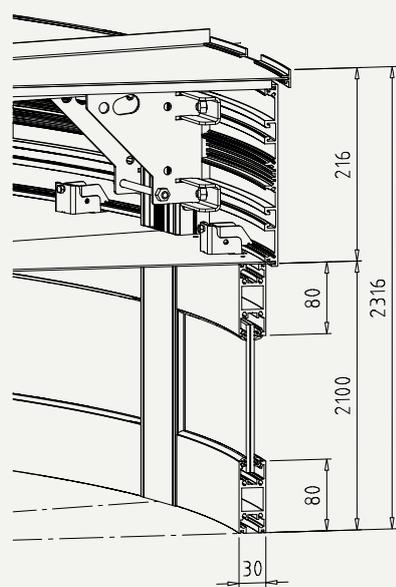
Body with floor element



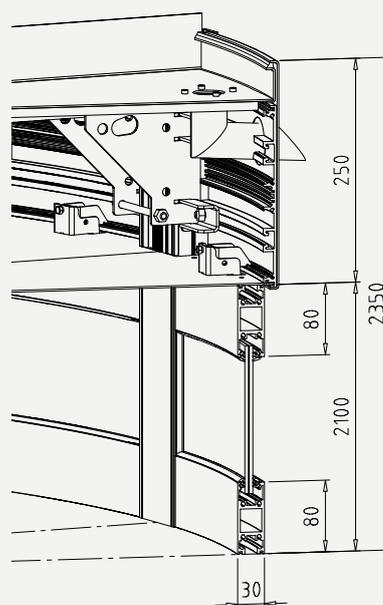
Body with dustproof cover



Body with waterproof cover

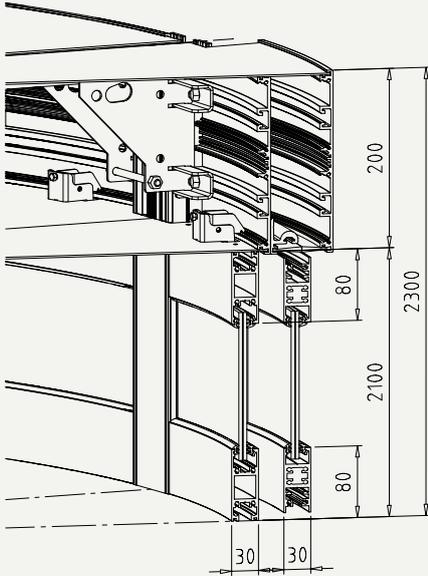


Body with water tray and spout

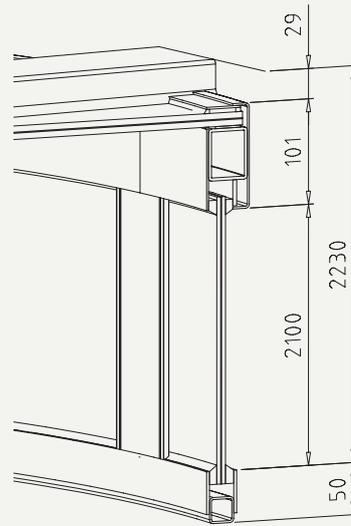


All dimensions in mm

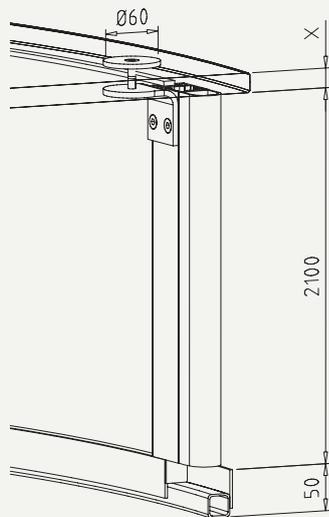
Body with night closure



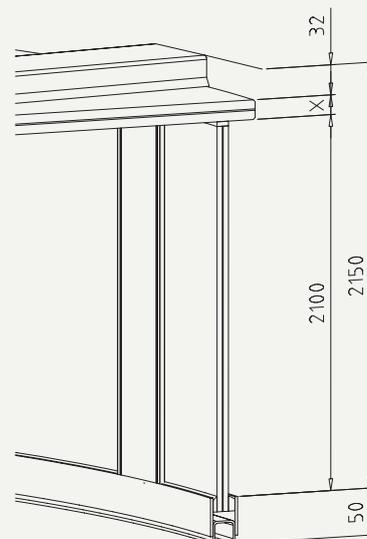
Body – glass ceiling with frame



Body – glass ceiling with point fixing



Body – glass ceiling without frame

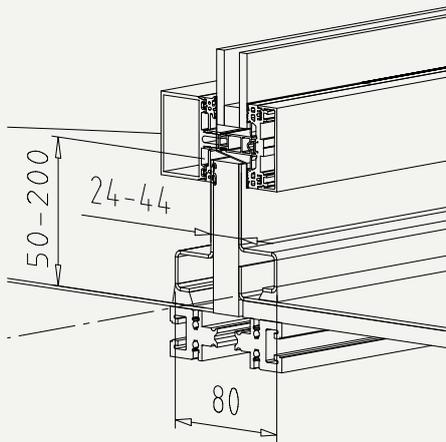


If the RDR-S01 is installed in the facade axis, we recommend providing additional weather protection using a roof with an appropriate downward slope

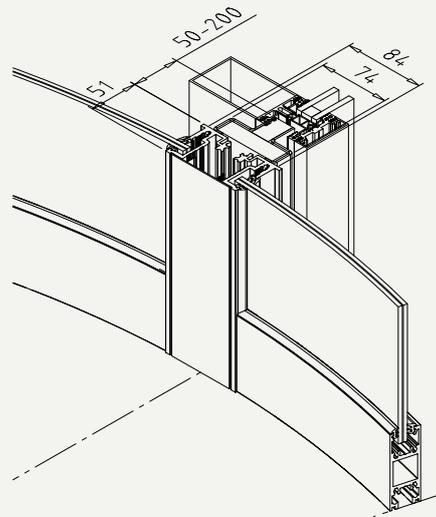
All dimensions in mm

Revolving door connections

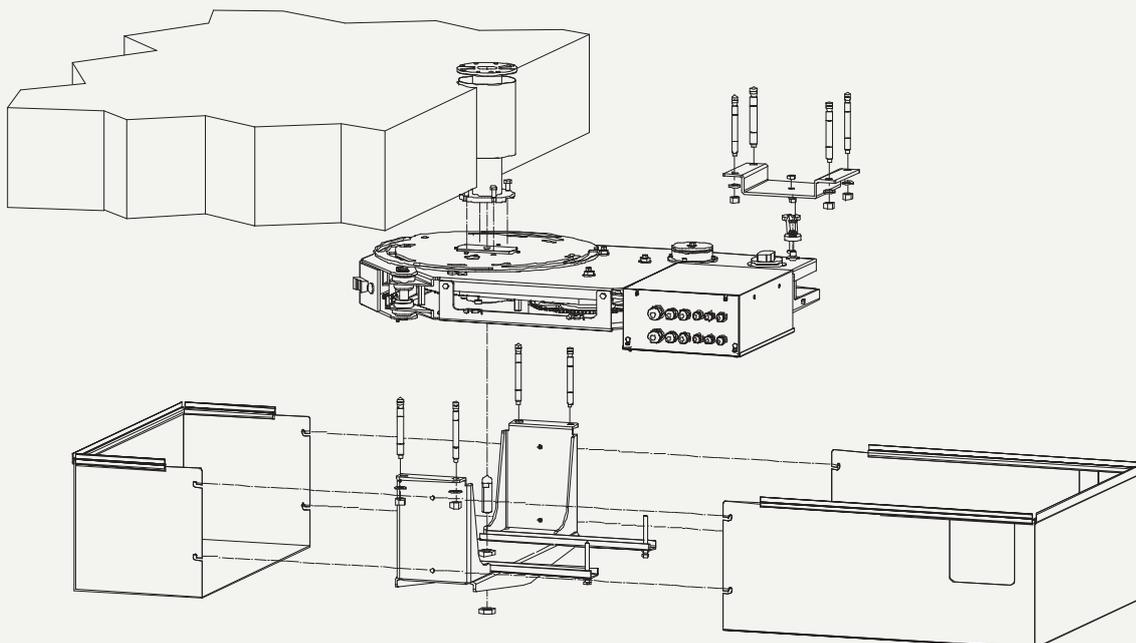
Example of 200 wall connection, top



Example of 200 wall connection, side



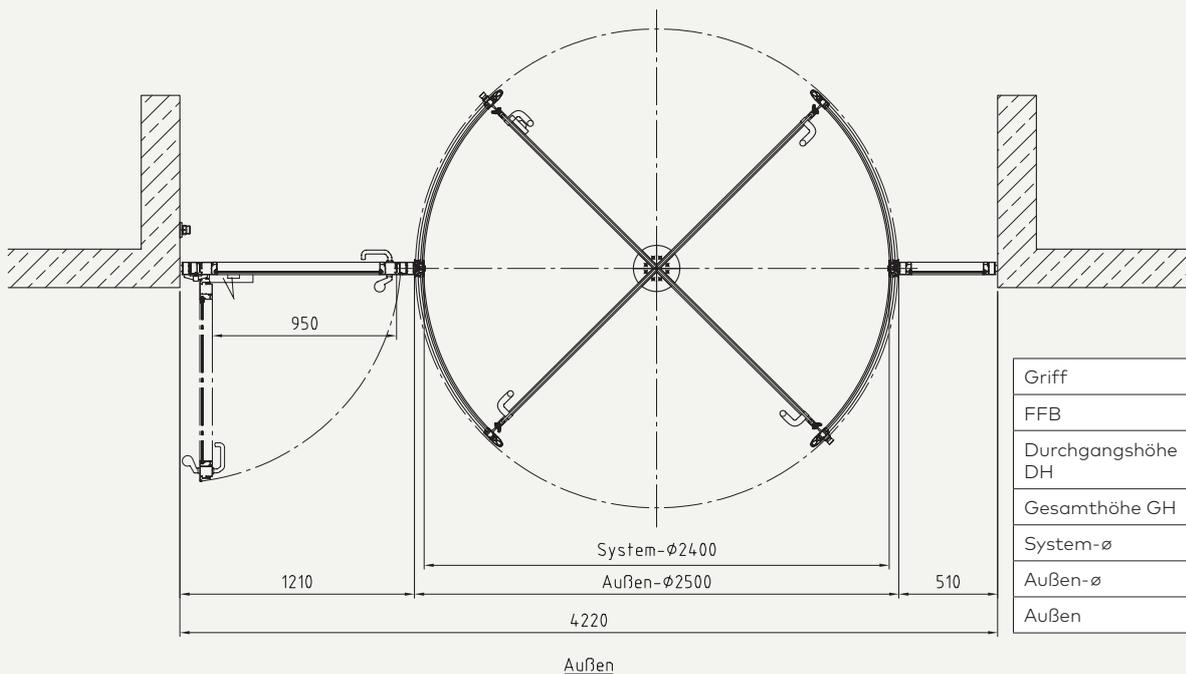
Underfloor drive



All dimensions in mm

Installation diagrams

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

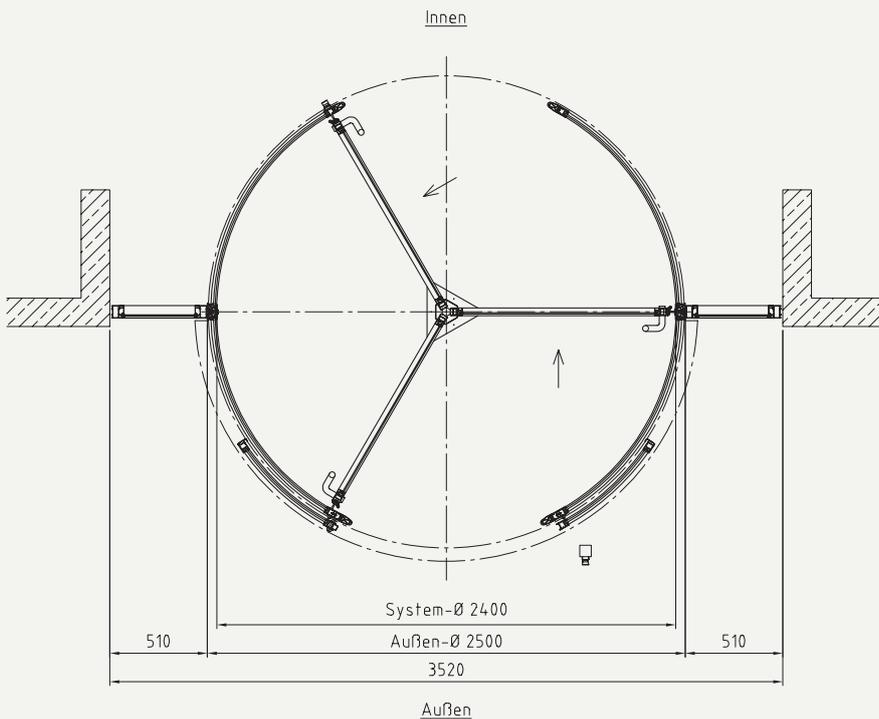
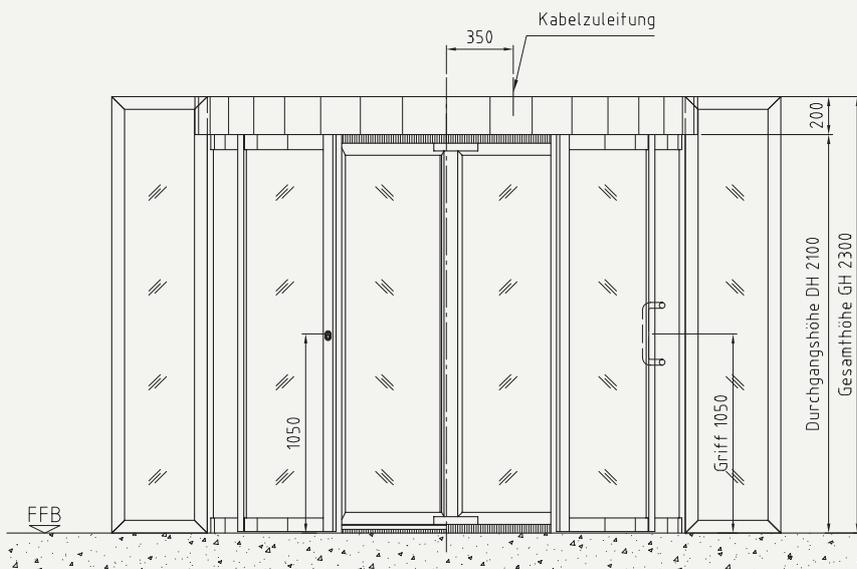


Griff	Handle
FFB	FFL
Durchgangshöhe DH	Passage height PH
Gesamthöhe GH	Total height TH
System-φ	System ø
Außen-φ	Outside ø
Außen	Outside

All dimensions in mm

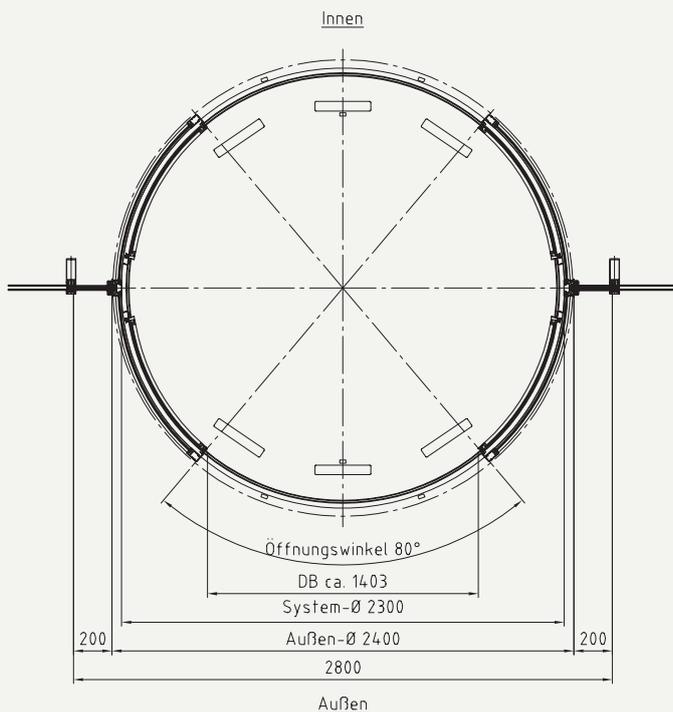
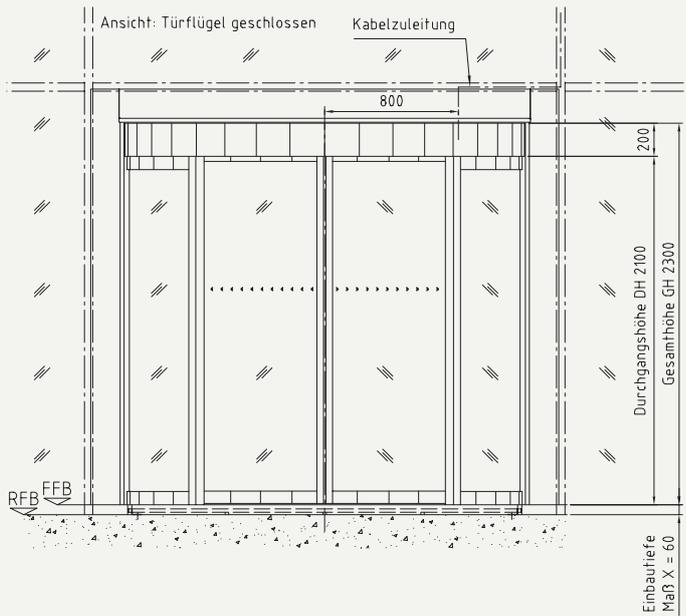
Installation diagrams

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



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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