

Geryon

Security Revolving Doors
Security Turnstiles



Geryon security revolving doors and security turnstiles

Efficient, Reliable, Flexible.

Secure areas require a reliable system for identifying and separating authorized persons. As these areas are usually representative of the building, a secure but at the same time transparent access solution is preferred.

Two product lines

The Geryon product family comprises security revolving doors and security turnstiles. Security revolving doors are suitable both for the interior and for the entrance, whereas security turnstiles can be used for indoor or outdoor areas.

Geryon Security Revolving Doors SRD Security revolving door

Owing to the high transparency grade of the glass elements and a wide variety of colours for the metal parts, all models elegantly blend in with their surroundings. A sophisticated sensor system in compliance with the latest standards prevents users from being injured. Depending on the

security requirements, the door may be equipped with a contact mat, scales or internal monitoring. Other variants are reinforced bullet- and burglar-resistant designs, which are certified according to standards RC2 and RC3 respectively. Options like a rotating unit with emergency exit function¹ or a night closure complete the product range.

Geryon Security Turnstiles STS (Security Turnstile)

For this three-winged unit you may either choose U-shaped stainless steel bars or acrylic glass elements for the door wings. Developers aimed to use as little metal as possible in the door design in order to achieve the highest possible level of transparency. The aesthetic design and the low diameter make STS especially suitable for indoor and outdoor areas.

¹ Individual approval required (responsible building authority)



For secure entry to:

- Sensitive areas in administrative buildings, industrial premises, government agencies and ministries
- Banks and financial institutions
- Data and research centres
- Staff entrances at airports
- Nuclear power plants

Geryon

Security Revolving Doors SRD

Throughput rate = up to 20 per minute

Security level = ●●●●○

Comfort = ●●●●○

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Security Turnstiles STS

Throughput rate = up to 20 per minute

Security level = ●●●○○

Comfort = ●●●○○

Advantages of Geryon Security Revolving Doors and Turnstiles

Options for all security requirements

Geryon SRD Security Revolving Doors

- Users cannot become stuck thanks to end point locking
- Safety sensor system according to DIN EN 16005
- Standard version has IR sensor system
- Versions with resistance classes RC2 and RC3
- All-glass units with underfloor drive
- Option with approved emergency exit column
- Option with in-built scales with weight limits or actual weight
- Option with night closure
- Option with optical separation using SRD Vision

Geryon STS Security Turnstiles

- Users cannot become stuck thanks to end point locking
- Optional U-shaped stainless steel bars or acrylic glass elements instead of straight bars



Barrier-free access can also be provided by the arrangement of hinge doors or sliding doors at the side.



The ideal solution for any access point



01
Units arranged diagonally for narrow passages – multiple units for staff access at an airport



02
Double unit in polished stainless steel design



03
Flexible integration – security revolving door in a historic setting

04
Stylish solution for installation indoors – security turnstile with acrylic glass barrier elements



SRD Vision – first-rate access security

Options for all security requirements

Optional optical individual access control for maximum safety.

Sensitive areas in particular place increased security demands on access control. The SRD Vision optical separation system, which is integrated into the ceiling, reliably and securely detects whether there is more than one person within a revolving door and allows or denies passage as is appropriate. The special thing about SRD Vision is that it is possible to select it both for the three-leaf and four-leaf models.

Application areas:

- Banks/insurance companies
 - Prisons
 - Government buildings
 - Airports
 - Power plants
 - Laboratories
 - Data centres
 - Office blocks
- and many more

SRD VISION The watchful eye

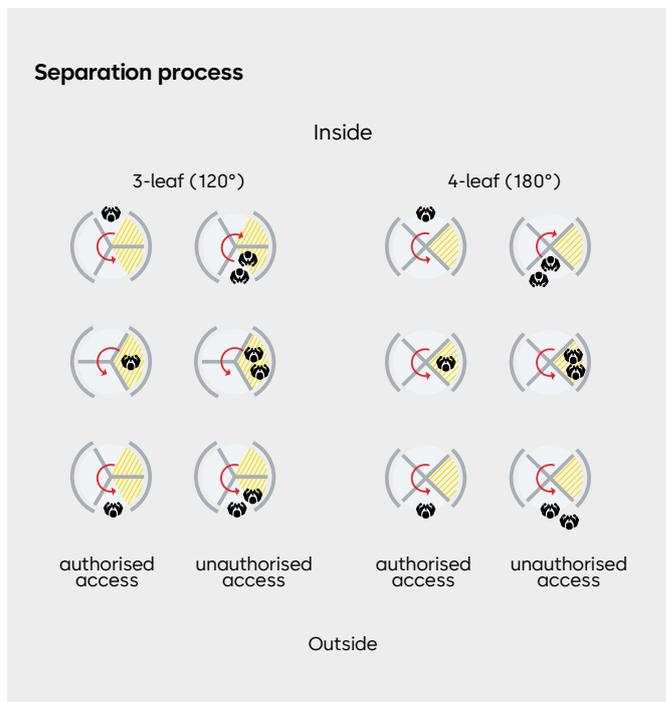


Light beam shows the SRD Vision detection area.

The SRD Vision option - the advantages at a glance:

- False acceptance rate (FAR) <1%
- False rejection rate (FRR) <1.6%
- For three-leaved and four-leaved models (rotary cycle 120° and 180° respectively)
- Can be operated in two directions
- Inside diameter ranging from Ø1,800 mm to Ø2,500 mm
- Passage heights ranging from 2,300 mm to 2,900 mm
- No modification of the floor structure is necessary
- Retrofitting possible for security revolving doors with corresponding dimensions (except for Geryon SRD-S01 with glass ceiling) with a passage height of 2,300 mm or higher
- Unaffected by extraneous light
- Evaluation unit is suitable for remote maintenance
- Passage rate with SRD Vision remains at a high level
- No risk of people becoming trapped during power failure (automatic, self-monitored set-up of the unit after power is restored)

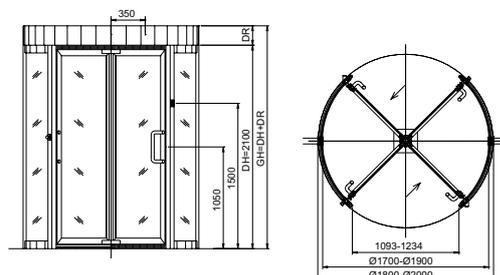
Please ask for our fact sheet



Geryon security revolving doors



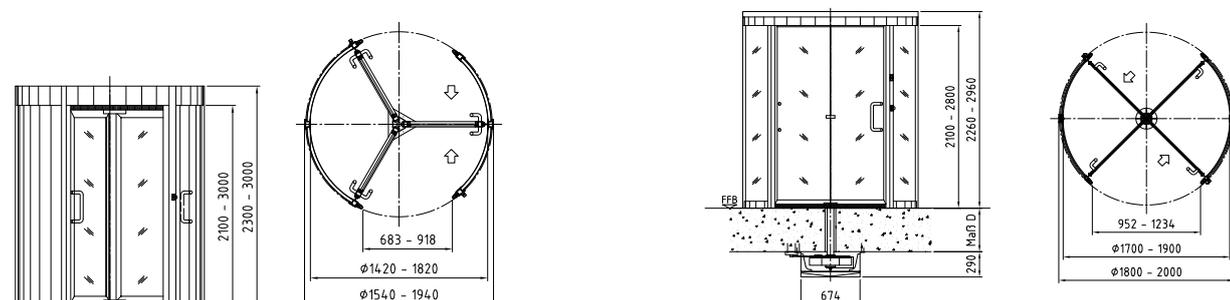
Basic equipment		SRD-E01	
Construction	Outside diameter	1500 – 2000 (standard spacing 100).	
	Total height	2300	
	Passage height	2100	
	Upper part of body	200	
	Number of door wings	3 or 4	
	Rotary cycle	120° or 180° (Ø 1800 and larger).	
	Body	Side panels	With glass panel, alternatively metal-clad.
Thermal separation		In facade level.	
Safety strips		On opposite closing edges.	
Top cover		Raw aluminium plate, dustproof.	
Maintenance openings		Two, in the lower ceiling plate.	
Rotating unit			Framed in T40 light metal profiles.
			With sealing brushes.
		Black U-shaped handles.	
		Horizontal and vertical safety strips on the door leaves.	
Finish		Powder-coated in a RAL colour.	
Function		PR-1 position control drive for automatic access control.	
		Started by manually pushing door after release signal.	
		Sensor system in the ceiling monitors the intermediate segment, incl. emergency release button.	
	In the event of a power failure	End point locking system, default can be set to turn freely or lock.	
Electrical components		Two emergency stop switches.	
		The control unit is integrated into the unit.	
		Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.	
Installation		Standby power 60 VA.	
		On finished floor level (FFL).	



All dimensions in mm



SRD-C01	SRD-S01
1520 – 2020 (standard spacing 100).	1500 - 2000 (standard spacing 100).
2300	2260
2100	2100
200	–
3 or 4	3 or 4
120° or 180° (Ø 1820 and larger).	120° or 180° (Ø 1800 and larger).
Metal-clad with steel or stainless steel sub-structure, alternatively with glazing.	With glass panel and filigree profiles, glass ceiling made of laminated safety glass.
–	In facade level.
On opposite closing edges.	On opposite closing edges.
Raw aluminium plate, dustproof.	Laminated safety glass ceiling.
Two, in the lower ceiling plate.	–
Framed in T56 light metal profiles.	T25 without centre column or profile, toughened safety glass.
With sealing brushes.	With sealing brushes.
Black U-shaped handles.	Black U-shaped handles.
Horizontal and vertical safety strips on the door leaves.	Horizontal and vertical safety strips on the door leaves.
Powder-coated in a RAL colour.	Powder-coated in a RAL colour.
PR-1 position control drive for automatic access control.	PR-1 position control drive for automatic access control (underfloor).
Started by manually pushing door after release signal.	Started by manually pushing door after release signal.
Sensor system in the ceiling monitors the intermediate segment, incl. emergency release button.	Sensor system in the ceiling (centre cross beam) and 1-zone contact mat/s monitor the intermediate segment/s (observe the restricted installation possibility for the sensor system), incl. emergency release button.
End point locking system locked.	End point locking system, default can be set to turn freely or lock.
Two emergency stop switches.	Two emergency stop switches.
The control unit is integrated into the unit.	Subsurface mounted control system.
Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.	Power supply 100-130, 60 Hz or 220-240 VAC, 50 Hz.
Standby power 60 VA.	Standby power 60 VA.
On finished floor level (FFL).	On finished floor level (FFL), underfloor drive.



Options (depending on unit type)

	SRD-E01	SRD-C01	SRD-S01
Construction			
Increase passage height.	•	•	•
Increase upper part of body.	•	•	
Resistance class RC2.	•	•	•
Resistance class WK3.		•	
Underfloor suspension for fixing drive to the raw ceiling.	•	•	Standard
Water tray or waterproof cover of outer part of body, made of light metal.	•	•	
Night closure outside, manual.	•	•	•
Motor for night closure.	•	•	
Monitoring of night closure, notification of status closed or closed and locked.	•	•	•
T25 rotating unit, all-glass version.	•		Standard
T56 rotating unit emergency exit function with manually foldable door leaves on centric bearings (Ø 1800 and larger).	•		
Stainless steel handle horizontal or vertical, installed on door leaf.	•	•	•
Floor element in stainless steel for installation in advance.	•	•	•
Stainless steel plate, may be perforated, to apply floor covering; alternatively waterproof wooden board.	•	•	•
Stainless steel plate for floor element.	•	•	•
Clamping rail for fixing on-site sealing foil, measure X = 150 or larger.	•	•	•
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.	•	•	•
Finish anodized C0 and C31-35 (E6).	•	•	•
Function			
Automatic starting after entering the security door and after release signal.	•	•	•
Electrical equipment			
Various consoles.	•	•	•
Push button for manual single release.	•	•	•
Electrical key-operated push button.	•	•	•
OPL 01 operating panel, functions can be chosen freely.	•	•	•
Signal device.	•	•	•
Weight control.	•	•	
Contact mat for monitoring intermediate segment, on SFL or in FFL.	•	•	•
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. 	•	•	•
Lighting by 2 to 4 LEDs.	•	•	
Security level: SRD			
Basic security is achieved by adequate compartment size, light sensors in intermediate segment and card reader for access control.			

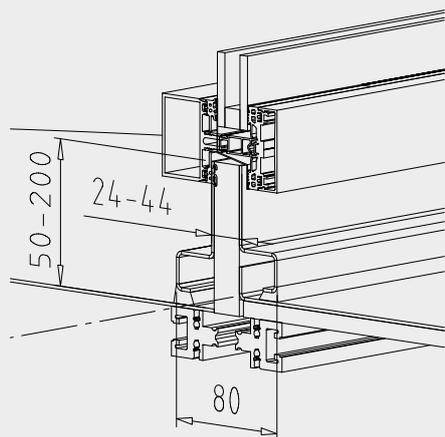
	Passage segment	Inter-mediate segment
Enhanced security is achieved by		
Contact mat (1 zone).		•
Rotating unit scales.		•
Actual weight scales including rotating unit scales.	•	•
Scales with weight limit including rotating unit scales.	•	•
Biometrics outside SRD.	•	
SRD Vision (not for RDR-S01).	•	•

The security level depends on the object to be protected and trust in the authorized users.

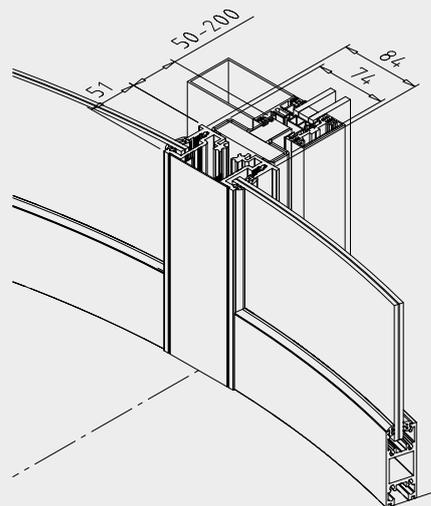
All dimensions in mm  Safety device

SRD connections

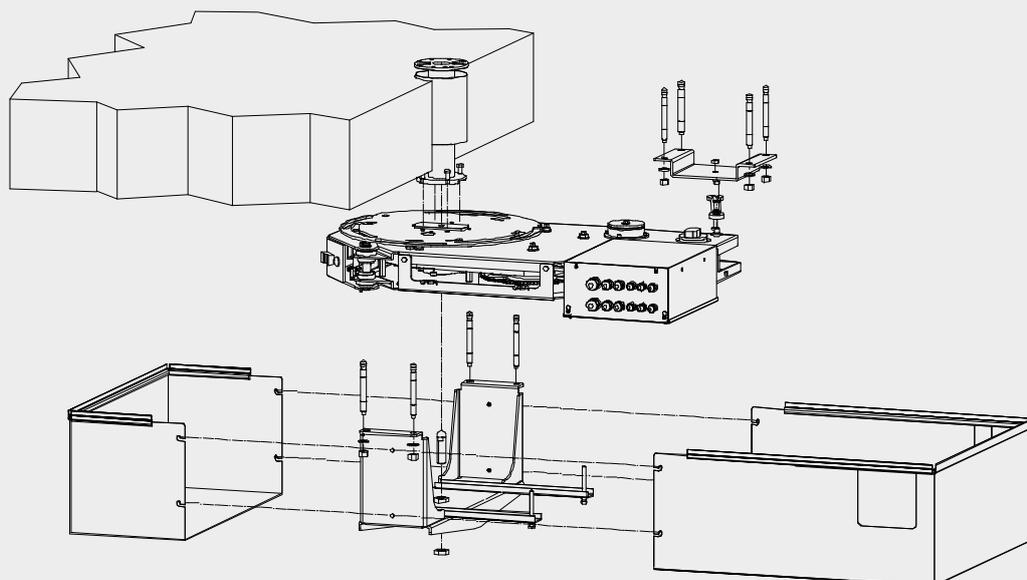
Example of 200 wall connection, top



Example of 200 wall connection, side



Underfloor drive



SRD rotating units

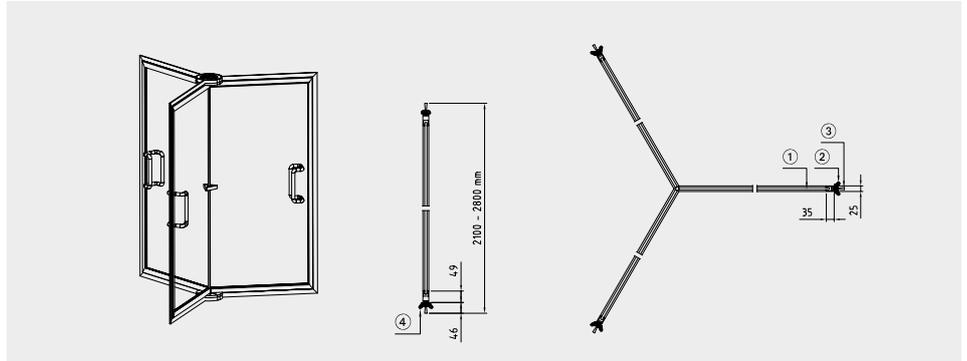
Rotating unit T25 – 120°

Outside diameter:

Ø1500 - Ø2000

1. Toughened safety glass
2. Safety strip
3. Sealing brush
4. Safety strip on both sides

Rotating unit without centre column.
Profile depth 25 mm.



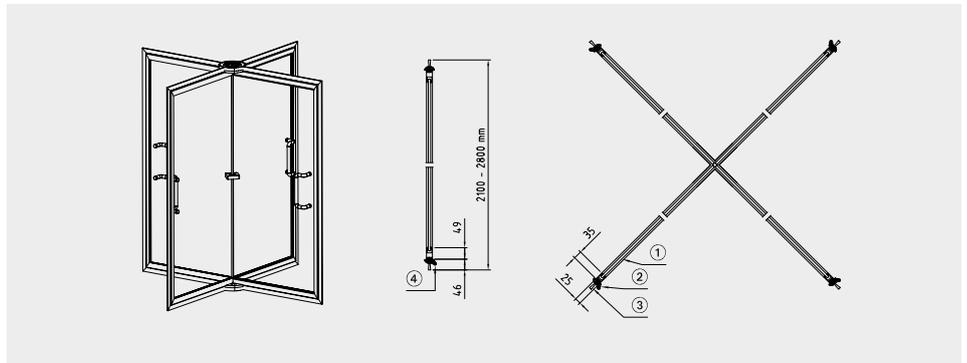
Rotating unit T25 – 180°

Outside diameter:

Ø1800 - Ø2000

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

Rotating unit without centre column.
Profile depth 25 mm.
Safety strips on one side.



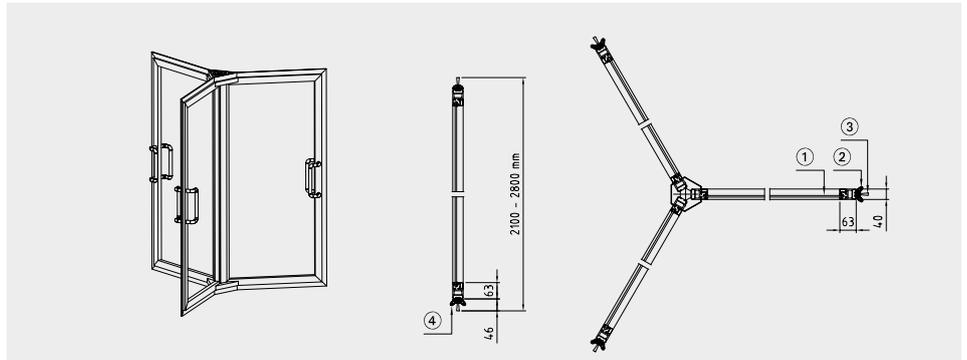
Rotating unit T40 – 120°

Outside diameter:

Ø1500 - Ø2000

1. Laminated safety glass
2. Safety strip
3. Sealing brush
4. Safety strip on both sides

Rotating unit with centre column.
Profile depth 40 mm.



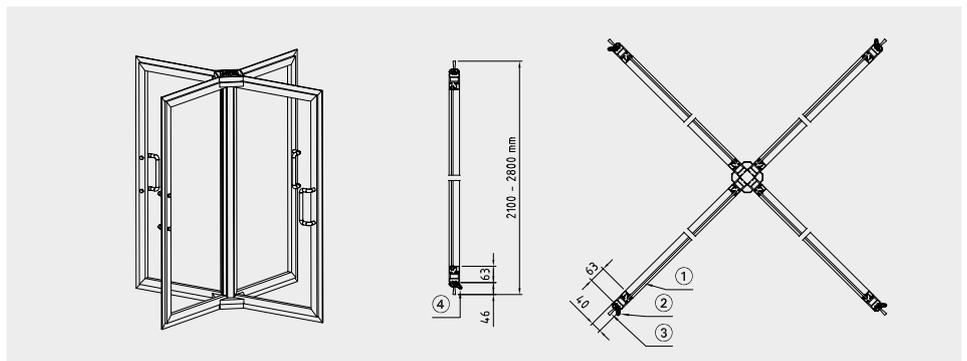
Rotating unit T40 – 180°

Outside diameter:

Ø1800 - Ø2000

1. Laminated safety glass
2. Safety strip
3. Sealing brush
4. Safety strip

Rotating unit with centre column.
Profile depth 40 mm.
Safety strips on one side.



Rotating unit T56 – 120°

Bullet-resistant

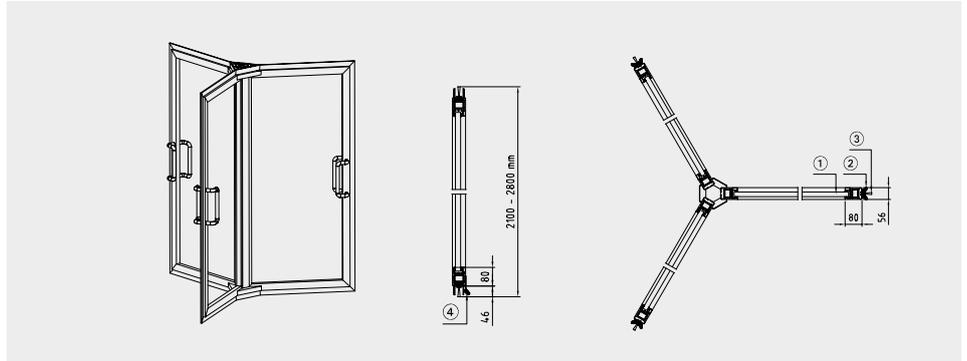
Outside diameter:

Ø1540 - Ø2000

1. BR4 glazing
2. Safety strip
3. Sealing brush
4. Safety strip on both sides

Rotating unit with centre column, bullet-resistant.

Profile depth 56 mm.



Rotating unit T56 – 180°

Bullet-resistant

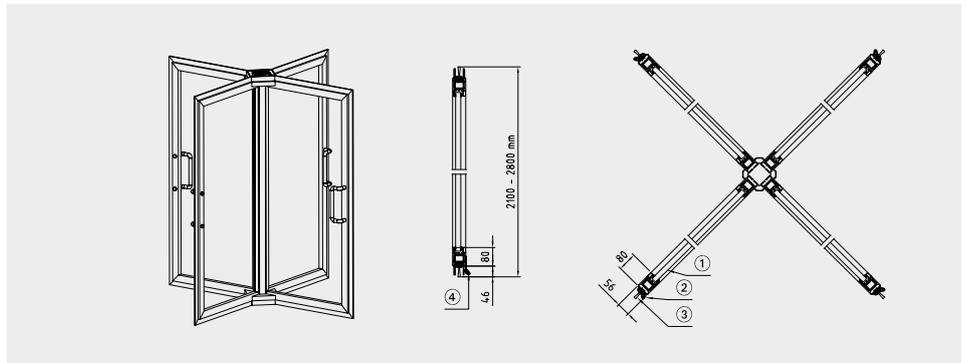
Outside diameter:

Ø1800 - Ø2000

1. BR4 glazing
2. Safety strip
3. Sealing brush
4. Safety strip

Rotating unit with centre column, bullet-resistant.

Profile depth 56 mm.



Rotating unit T56 – 120°

Escape route

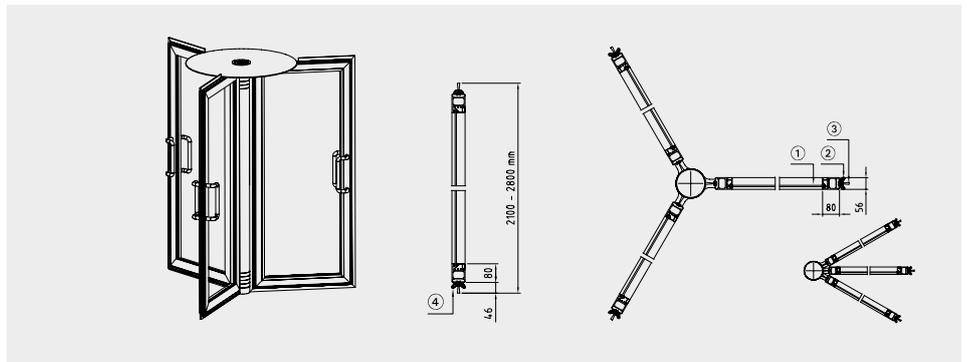
Outside diameter:

Ø1800 - Ø2000

1. Laminated safety glass
2. Safety strip
3. Sealing brush
4. Safety strip on both sides

Rotating unit with centre column and emergency exit function.

Profile depth 56 mm.



Rotating unit T56 – 180°

Escape route

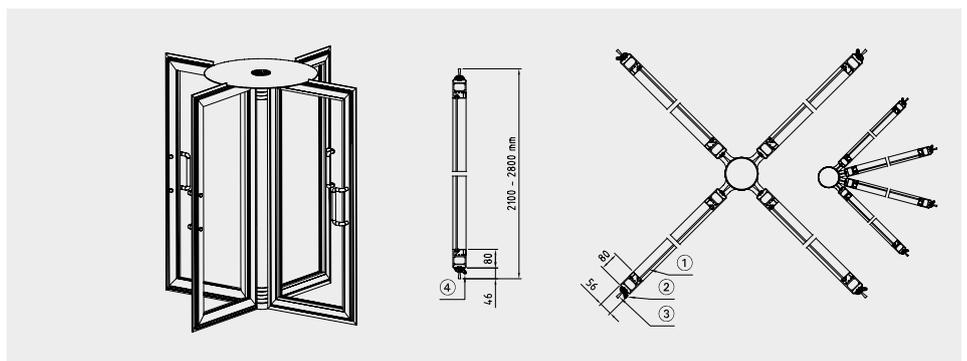
Outside diameter:

Ø1800 - Ø2000

1. Laminated safety glass
2. Safety strip
3. Sealing brush
4. Safety strip

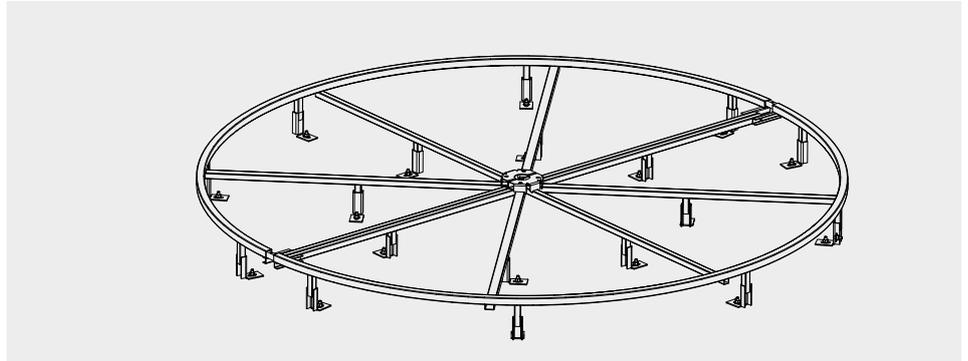
Rotating unit with centre column and emergency exit function.

Profile depth 56 mm.

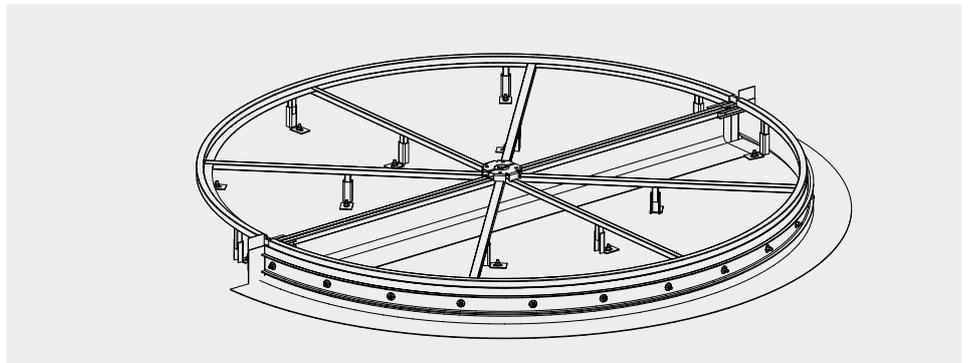


Floor elements for SRD types

Floor element without stainless steel plate for sealing

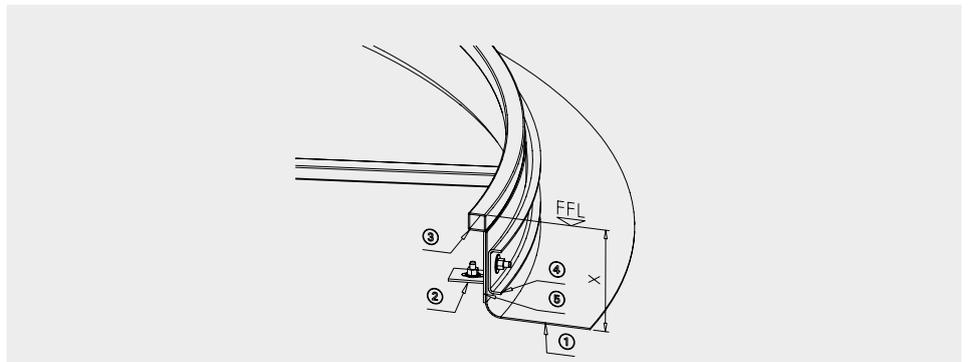


Floor element with stainless steel plate for sealing, measure X = 150 or larger



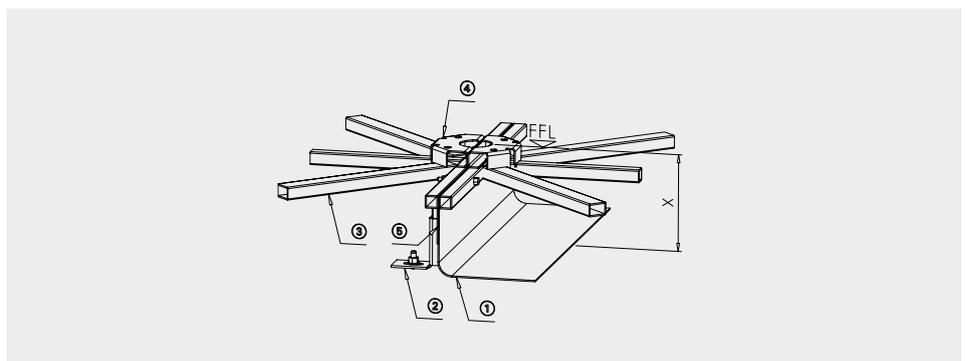
Detail: floor element with sealing foil at the outer radius, measure X = 150 or larger

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 OK FFL to OK SFL



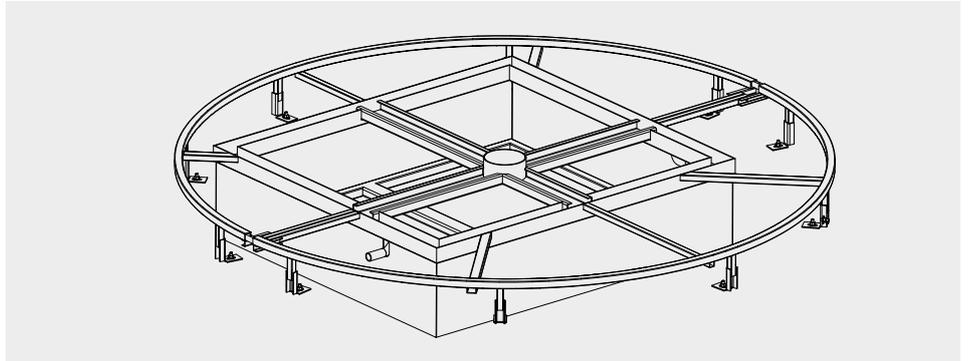
Detail: floor element with sealing foil in facade axis

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

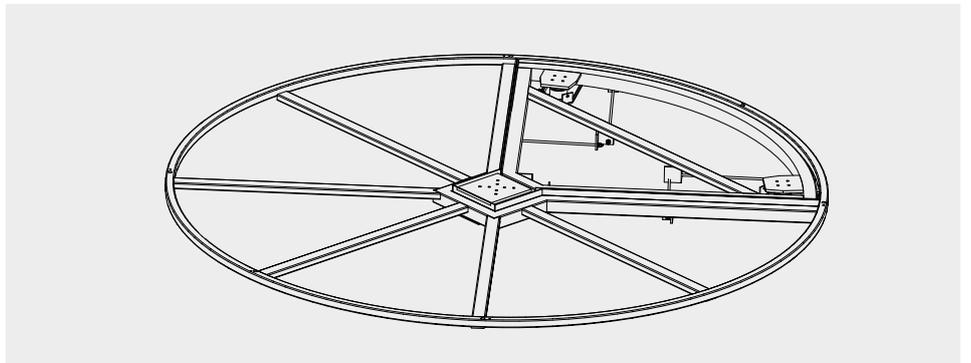


All dimensions in mm

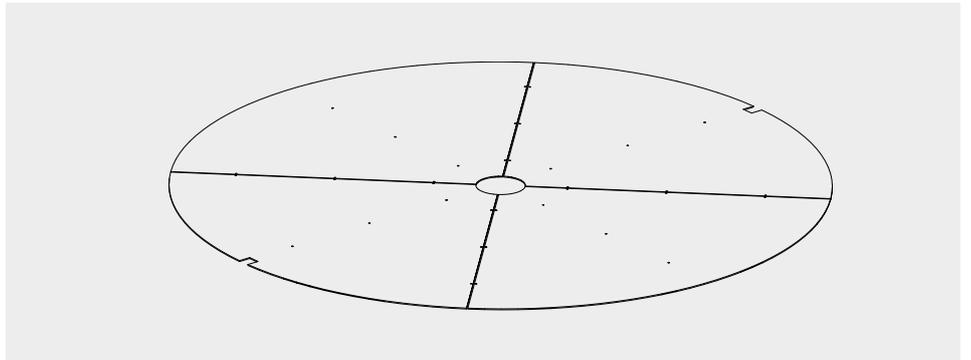
Floor element with drive box for floor pit, measure X = 350 or larger



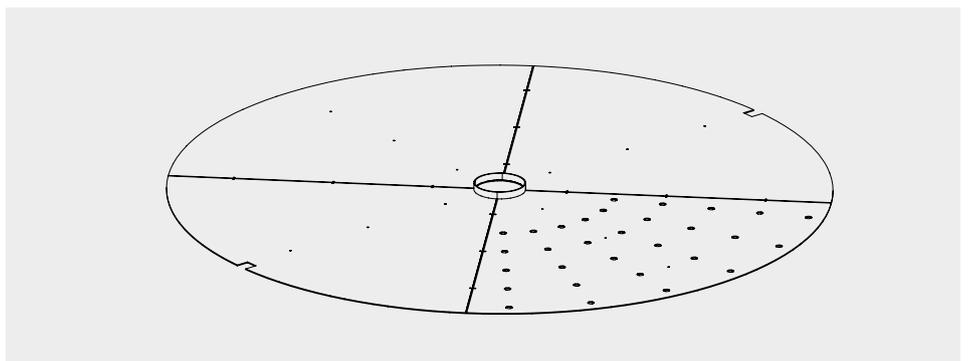
Floor element with scales 180°, measure X = 90 or larger



Stainless steel plate for floor element

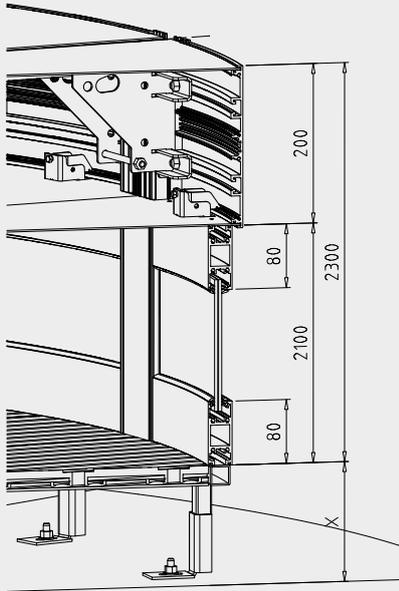


Stainless steel plate for floor element – perforated (for drainage)

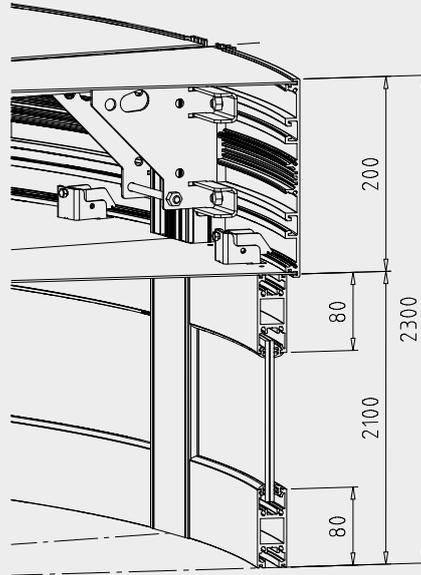


Alternative bodies for SRD types

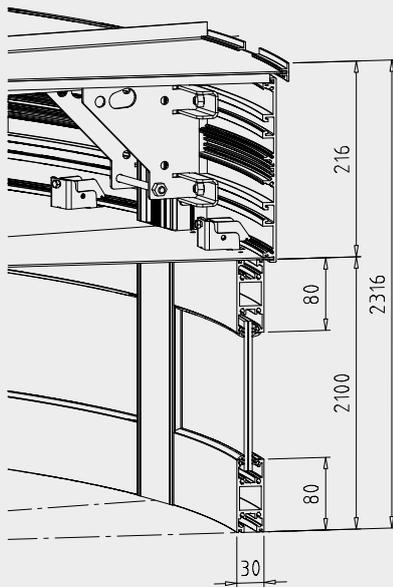
Body with floor element



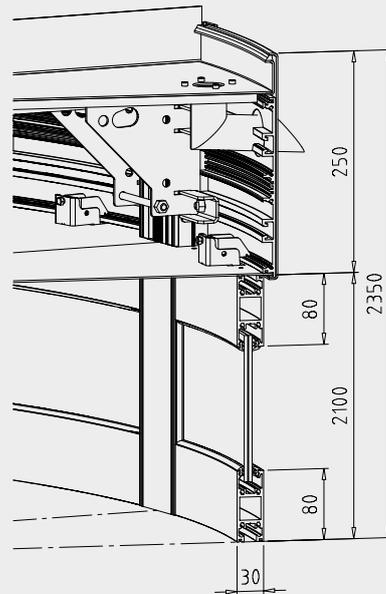
Body with dustproof cover



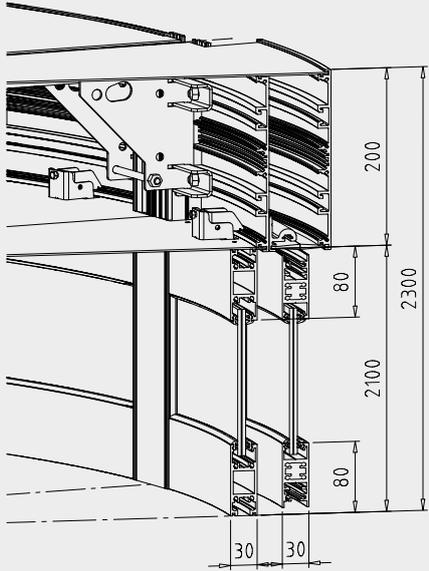
Body with waterproof cover



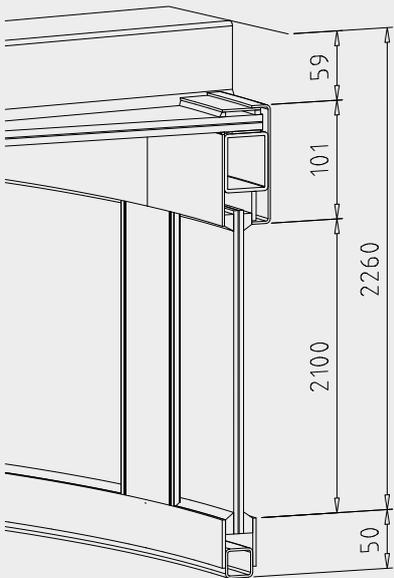
Body with water tray and spout



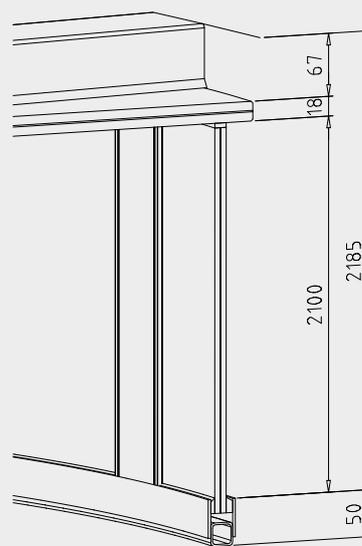
Body with night closure



Body – glass ceiling with frame



Body – glass ceiling without frame



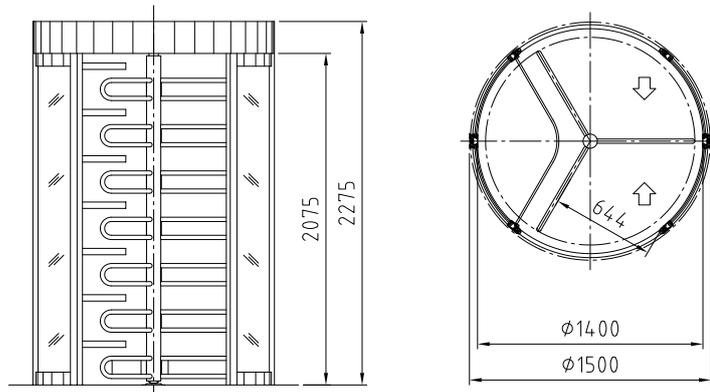
If the SRD-S01 is installed in the facade axis, we recommend a roof is provided on site for drainage

All dimensions in mm

Geryon security turnstiles



Standard unit		STS-S02
Construction	Outside diameter	1 500
	Total height	2275
	Passage height	2075
	Upper part of body	200
	Rotating unit	120°, tubular column Ø 89 with sets of 7 U-shaped Ø 27 crossbars made of glossy AISI 304 stainless steel.
Body	Side panels	With 8 mm laminated safety glass.
	Top cover	Raw aluminium plate, dustproof.
	Maintenance openings	Two, in the lower ceiling plate.
	Barrier element	Rectangular light metal profiles.
Finish	Aluminium elements powder-coated in a RAL colour.	
Function	Type 2*	
Electrical equipment	The control unit is integrated into the unit.	
	Power supply 110–230 VAC, 50/60 Hz.	
	Standby power 20 VA.	
Installation	On finished floor level (FFL).	



* Type 2: power-assisted motion, servo-positioning drive/electrically controlled in both directions (behaviour in event of power failure can be selected for each direction: free or blocked)

All dimensions in mm

Options for STS-S02 Security Turnstile

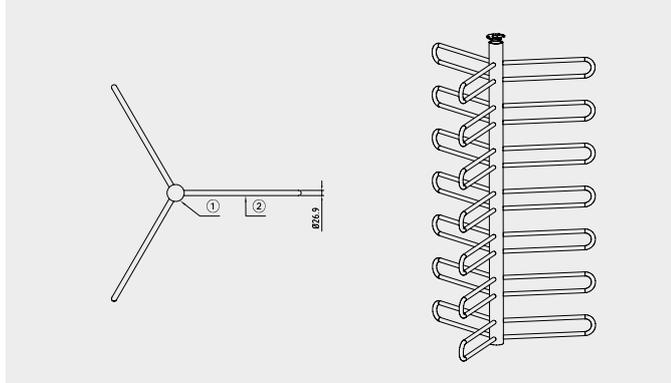
Construction
Rotating unit made of acrylic glass.
200 wall connection.
Finish
Body: stainless steel satin finish.
Electrical components
Various consoles.
Push button for manual single release, integrated in stainless steel console.
OPL 05 operating panel.
Signal device in stainless steel console consisting of 2 lights red/green.
Additional boards to expand the existing inputs/outputs.
Lighting by 2 LEDs.

STS rotating units

Stainless steel rotating unit – 120°

Inside diameter: Ø1400

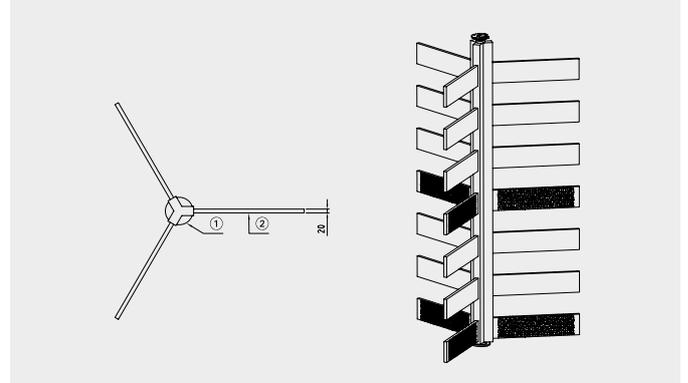
1. Stainless steel tube, electropolished
2. Stainless steel bar, electropolished



Acrylic glass rotating unit – 120°

Inside diameter: Ø1400

1. Metal cladding in unit colour
2. Acrylic glass bar, smooth/with marking optionally with stainless steel inlay



Consoles

Console 1
plastic in RAL 9006



Width 94
Height 94
Depth 65

Console 4
Stainless steel
Semi-gloss smooth finish



Width 118
Height 93
Depth 60

Console 5
Stainless steel
Semi-gloss smooth finish



Width 118
Height 164
Depth 60

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

www.dormakaba.com/sustainability



Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



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