



BEYOND SECURITY

KABA®

Geryon Security Revolving Doors Geryon Security Turnstiles

Controlled Individual Access

«As security manager I am responsible for a number of government buildings. Security revolving doors have enabled us to configure each point of entry according to its peculiar security requirement. The key features we were looking for were the approved emergency escape function and, for all doors leading to the outside, WK2 resistance class against burglary and bullet impact.»





Elegant Geryon Security Revolving Doors and Security Turnstiles

Security areas require reliable identification and separation of authorized persons. Since usually prestigious building areas are affected, a secure but at the same time transparent access solution is preferred.

Two product lines

The Geryon family comprises security revolving doors and security turnstiles. Both are suitable for the building entrance as well as for the interior.

Geryon Security Revolving Doors SRD

Owing to the high transparency of the glass elements and a wide variety of colors of the metal parts all models elegantly blend 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 contact mat, scale or in-cabin monitoring. Other variants are reinforced bullet- and burglary-resistant layouts which are certified according to standards WK2 and WK3 respectively. Options like a rotating unit with escape route function¹ or a night closure complete the range of products.

Geryon Security Turnstiles STS

For this 3-winged unit you may choose U-shaped stainless steel bars or acrylic glass elements for the door wings. The development aimed at the highest possible reduction of metal in order to achieve the highest possible transparency. The esthetic design and the low diameters make STS especially suitable for interiors.

¹ Individual approval required (competent building authority).

Geryon Security Revolving Doors SRD		
Throughput rate	=	up to 20 per minute
Security level	=	● ● ● ● ○
Comfort	=	● ● ● ● ○
Personal safety	=	● ● ● ○ ○
Geryon Security Turnstiles STS		
Throughput rate	=	up to 15 per minute
Security level	=	● ● ● ● ○
Comfort	=	● ● ● ○ ○
Personal safety	=	● ● ● ○ ○



Advantages of Geryon Security Revolving Doors and Turnstiles

Options for all security requirements.

Geryon SRD Security Revolving Doors

- > No locking up of people thanks to endpoint locking
- > Variants with resistance classes WK2 or WK3
- > All-glass units with underfloor drive
- > Optional approved escape route column
- > Standard with contact mats
- > Optional scales with weight limits or actual weight
- > Optional night closure
- > Optional optical separation by SRD Vision
- > Safety sensor system according to DIN 18650

Geryon STS Security Turnstiles

- > No locking up of people thanks to endpoint locking
- > Optional U-shaped stainless steel bars or acrylic glass elements instead of straight bars
- > Safety sensor system according to DIN 18650

The fitting solution for any entrance situation



Units diagonally arranged in a narrow passage - staff access at an airport



Security revolving door with approved emergency escape column - door wings can be folded back manually



Maximum transparency - double unit in all-glass version



Flexible integration - security revolving door in a historic setting



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



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

Security Revolving Doors



Basic equipment

Construction	Outside diameter
	Total height
	Passage height
	Body top
	Number of door wings
	Rotary cycle
	Resistance class

Body	Side panels
	Thermal separation
	Safety strips
	Top cover
	Maintenance openings

Rotating unit

Finish

Function

In case of power failure

Electrical components

Installation

SRD-E01

1500 - 2000 (standard spacing 100 mm).
2300
2100
200
3 or 4
120° or 180° (Ø 1800 and larger).
Optional: tested and certified resistance class WK 2 (RC 2).

With glazing, alternative: metal clad.

On facade level.

On opposite shearing edges.

Raw aluminium plate, dust-proof.

Two, in the lower ceiling plate.

Framed in aluminium profiles T40.

With sealing brushes.

Black U-shaped handles.

Horizontal and vertical safety bars at the door wings.

Powder coated in a RAL color or silver anodized.

Position control drive PR-1 integrated in top construction.

Start by hand push after release signal.

Sensor system in the barrier segment, incl. release button (in center post).

End point locking system, default can be set to turn freely or lock.

Signal display red/green for rotary cycle 180°.

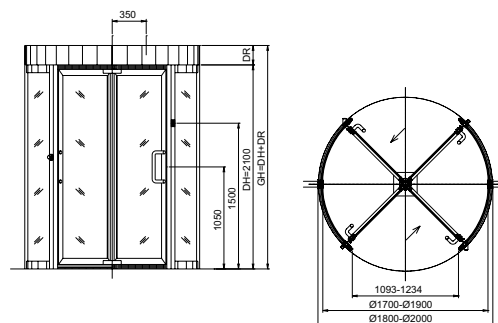
2 emergency off switches.

Control system integrated in the unit.

Power supply 110-230 VAC, 50/60 Hz.

Standby power consumption 60 VA.

On finished floor level (FFL).



All dimensions in mm

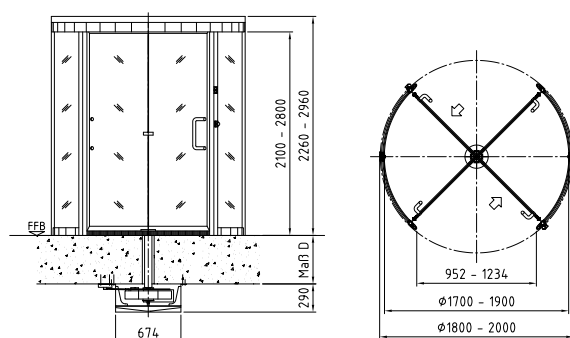
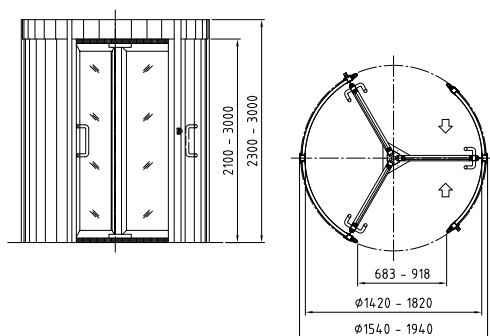


SRD-C01

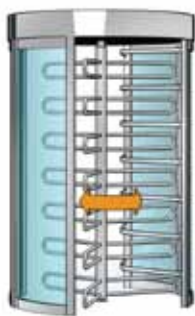
1520 - 2020 (standard spacing 100 mm).
2300
2100
200
3 or 4
120° or 180° (Ø 1740 and larger).
Optional: shatter and/or bullet resistant WK3 resistance class.
With steel foundation, metal clad, side panels with glazing, alternative metal clad.
On opposite shearing edges.
Raw aluminium plate, dust-proof.
Two, in the lower ceiling plate.
Framed in aluminium profiles T56.
With sealing brushes.
Black U-shaped handles, recommended for Ø push plates.
Horizontal and vertical safety bars at the door wings.
Powder coated in a RAL color or silver anodized.
Position control drive PR-1 integrated in top construction.
Start by hand push after release signal.
Sensor system in the barrier segment, incl. release button (in center post).
End point locking system, default can be set to turn freely or lock.
Signal display red/green for rotary cycle 180°.
2 emergency off switches.
Control system integrated in the unit.
Power supply 110-230 VAC, 50/60 Hz.
Standby power consumption 60 VA.
On finished floor level FFL.

SRD-S01

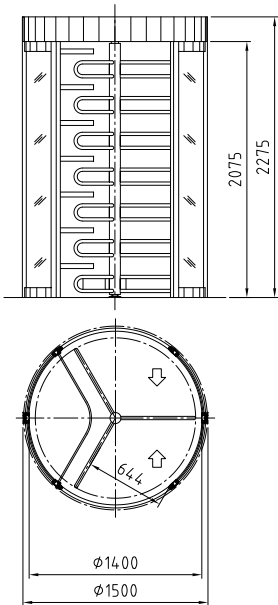
1500 - 2000
2260
2100
-
3 or 4
180°
WK2 resistance class.
With 8 mm laminated glass and filigree profiles,
On facade level.
On opposite shearing edges.
Glass ceiling VSG.
-
T25, without central column or profile, reinforced glass 10 mm.
With sealing brushes.
Black U-shaped handles.
Horizontal and vertical safety bars at the door wings.
Powder coated in a RAL color or silver anodized.
Position control drive PR-1 subsurface.
Start by hand push after release signal.
Sensor system in the barrier segment, incl. release button (in center post).
End point locking system, default can be set to turn freely or lock.
Signal display red/green for rotary cycle 180°.
2 emergency off switches.
Subsurface mounted control system.
Power supply 110-230 VAC, 50/60 Hz.
Standby power consumption 60 VA.
On finished floor level FFL.



Security Turnstiles

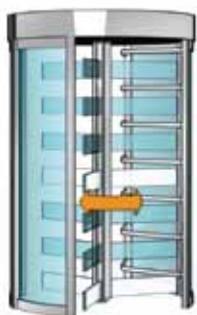


Basic equipment		STS-S02
Construction	Outside diameter	1500
	Total height	2275
	Passage height	2075
	Body top	200
	Rotating unit	120°, consisting of a column and 3 door wings with 7 U-shaped crossbars made of glossy stainless steel.
Body	Side panels	With laminated glass 8 mm.
	Top cover	Raw aluminium plate, dust-proof.
	Maintenance openings	2, in the lower ceiling plate.
	Barrier element	Rectangular aluminium profiles.
Finish		Aluminium elements powder coated in a RAL color or silver anodized.
Function		Type 2*
Electrical components		Control system integrated in the unit.
		Power supply 110-230 VAC, 50/60 Hz.
		Standby power consumption 20 VA.
Installation		On finished floor level (FFL).



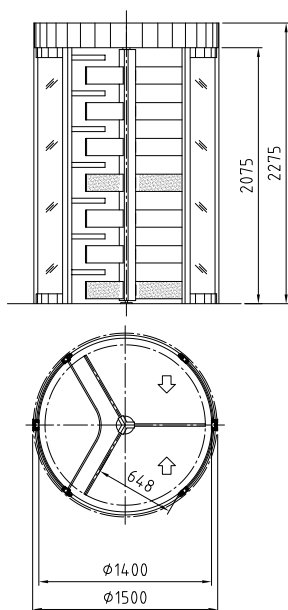
* Type 2: power assisted motion;
 servo-positioning drive/
 2 directions electrically controlled
 (in case of power failure: default can
 be preset to either free or blocked)

All dimensions in mm



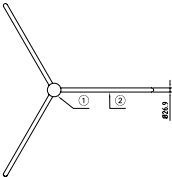
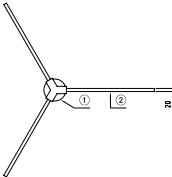
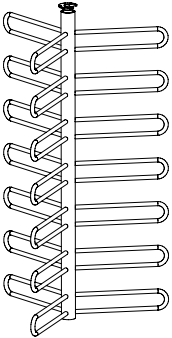
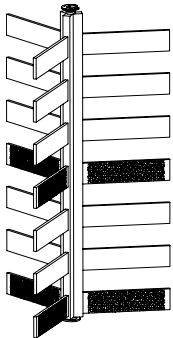
Options

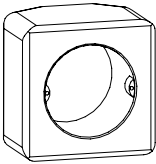
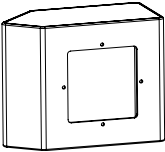
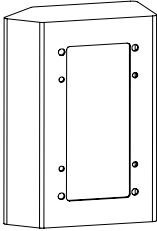



ST5-S02 with optional rotating unit with acrylic glass bars




Options for Security Turnstiles STS-S02

Construction
Wall connection 200.
Finish
Body: stainless steel satin finish.
Electrical components
Different consoles.
Push-button for manual single release, integrated in stainless steel console.
Electro key switch.
Operating panel OPL 05.
Signal device.
Additional boards to expand the existing in-/outputs.

Rotating units STS	
Rotating unit stainless steel - 120°	Rotating unit acrylic glass - 120°
Inside diameter: Ø 1400	Inside diameter: Ø 1400
1. stainless steel tube, electropolished	1. metal cladding in unit color
2. stainless steel crossbar, electropolished	2. acrylic glass crossbars, transparent/ with marking optionally with stainless steel inlay
	
	

Consoles for STS and SRD					
Console 1 in plastic in RAL 9006	Console 4 in stainless steel satin finish	Console 5 in stainless steel satin finish	Release push-button	OPL 01 (SRD) OPL 05 (STS)	Key switch
					
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			

Options for SRD Security Revolving Doors dependant on unit type

	SRD-E01	SRD-C01	SRD-S01
Construction			
Modification of outside diameter different from standard spacing 100 mm.	•	•	•
Increase of passage height.	•	•	•
Increase of body top.	•	•	
Underfloor suspension for installation of drive on the raw ceiling.	•	•	Standard
Water tray or waterproof cover of outer part of body in aluminium.	•	•	
Fire closure EI-30 by additional special sliding doors.	•	•	
Night slides outside, manual.	•	•	•
Motor for night slides.	•	•	
Monitoring of night closure, notification of status closed or closed and locked.	•	•	•
Rotating unit 3 wings (120°).	•	•	•
Rotating unit T25, all-glass version.	•		Standard
Rotating unit T56 emergency function with manually foldable door wings on central bearings.	•		
Stainless steel handle horizontal or vertical, installed on door wings.	•	•	•
Floor element in stainless steel for advance installation.	•	•	•
Sealing foil at the outer radius or in facade axis.	•	•	•
Stainless steel plate, may be perforated, to apply floor covering; optional waterproof wood plate.	•	•	•
Stainless steel frame/fitting panel for floor element.	•	•	•
Clamping rail for fixing of sealing foil for dimension x = 150 or larger.	•	•	•
Cleaning mats or black rubber mat (optionally equipped with arrow) or carpet as cleaning zone.	•	•	•
Finish			
Stainless steel AISI 304 satin finish or mirror finish S8.	•	•	•
Finish E6 anodized in color.	•	•	•
Function			
Automatic starting after entering the security door and reader release signal.	•	•	•
Electrical components			
Different consoles	•	•	•
Push-button for manual single release.	•	•	•
Electro key switch.	•	•	•
Operating panel OPL01, functions can be chosen freely.	•	•	•
Signal lights.	•	•	•
Alarm glazing (depending on chosen type of glazing).	•	•	•
Weight control.	•	•	
Contact mat for monitoring of intermediate segment, on SFL or FFL.	•	•	•
Emergency stop push-buttons with seal cap, instead of the existing ones.	•	•	•
Pre-sensors for heavy rotating units, for additional safeguarding of persons requiring special protection. 	•	•	•
Lighting 2 to 4 pieces, halogen.	•	•	

Security level: SRD

Basic security is attained by adequate containment area,
light sensors in barrier segment and card reader for access control.

Enhanced security is attained by

	Passage segment	Barrier segment
Contact mat (1 zone).		•
Rotating unit scale.		•
Actual weight scale including rotating unit scale.	•	•
Scale with weight limit including rotating unit scale.	•	•
Biometrics outside SRD.	•	

The security level depends on the property to be secured and on the credit of the authorized users.

All dimensions in mm  Safety device

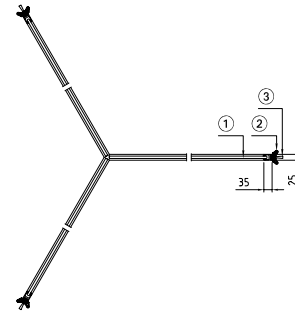
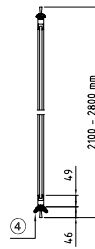
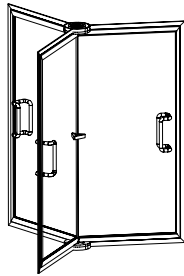
Rotating units SRD

Rotating unit T25 - 120°

Outside diameter: Ø 1500 - Ø 2000

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

Rotating unit without center column.
Depth of profiles 25 mm.

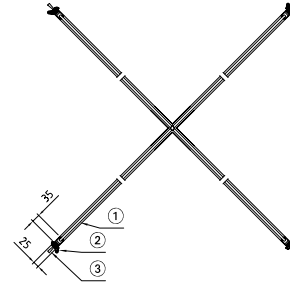
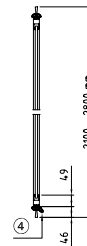
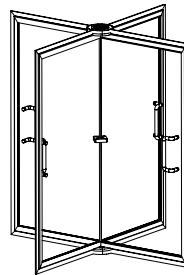


Rotating unit T25 - 180°

Outside diameter: Ø 1500 - Ø 2000

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

Rotating unit without center column.
Depth of profiles 25 mm.
Safety strips on one side.

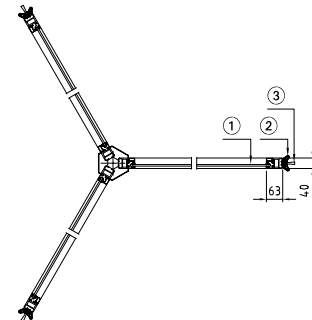
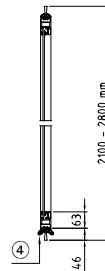
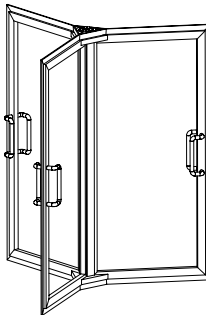


Rotating unit T40 - 120°

Outside diameter: Ø 1500 - Ø 2000

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

Rotating unit with center column.
Depth of profiles 40 mm.

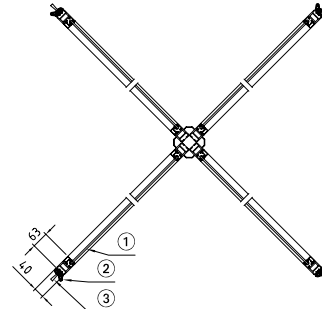
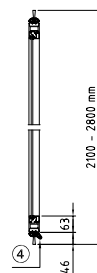
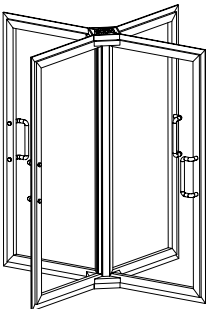


Rotating unit T40 - 180°

Outside diameter: Ø 1500 - Ø 2000

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

Rotating unit with center column.
Depth of profiles 40 mm.
Safety strips on one side.



All dimensions in mm

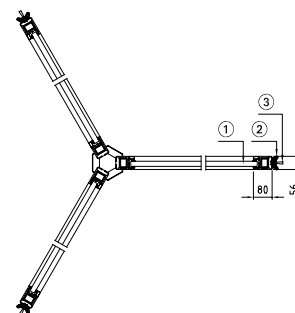
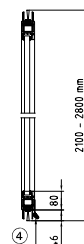
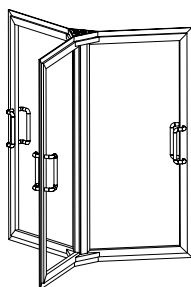
Rotating unit T56 - 120°

Bullet resistant

Outside diameter: Ø 1540 - Ø 2000

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

Rotating unit with center column,
Bullet resistant.
Depth of profiles 56 mm.



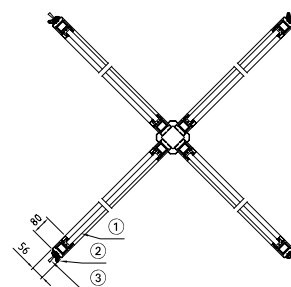
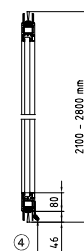
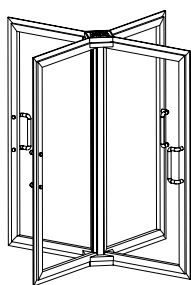
Rotating unit T56 - 180°

Bullet resistant

Outside diameter: Ø 1740 - Ø 2000

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

Rotating unit with center column,
Bullet resistant.
Depth of profiles 56 mm.



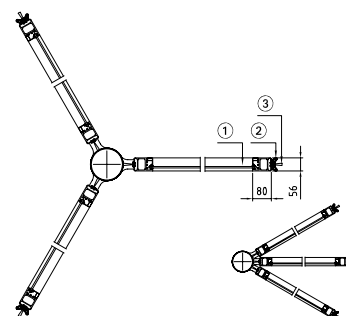
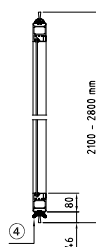
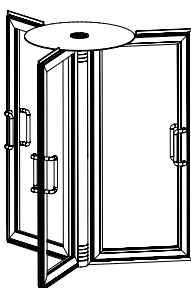
Rotating unit T56 - 120°

Escape function

Outside diameter: Ø 1540 - Ø 2000

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

Rotating unit with center column
and escape function.
Depth of profiles 56 mm.



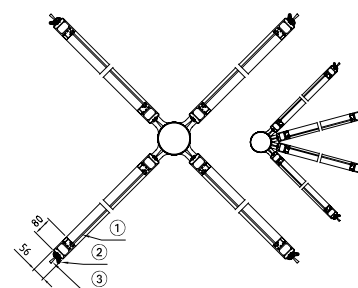
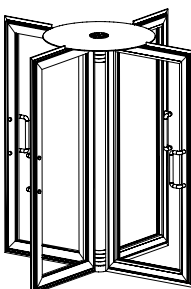
Rotating unit T56 - 180°

Escape function

Outside diameter: Ø 1740 - Ø 2000

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

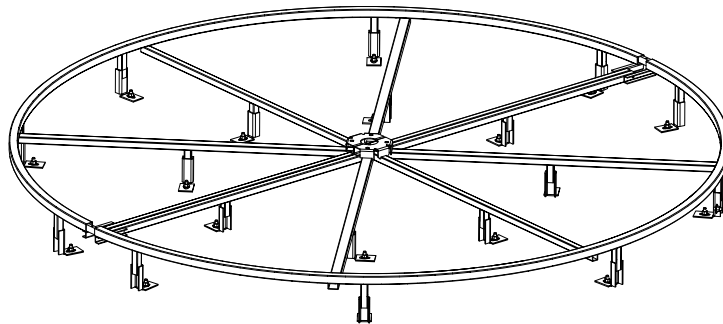
Rotating unit with center column
and escape function.
Depth of profiles 56 mm.



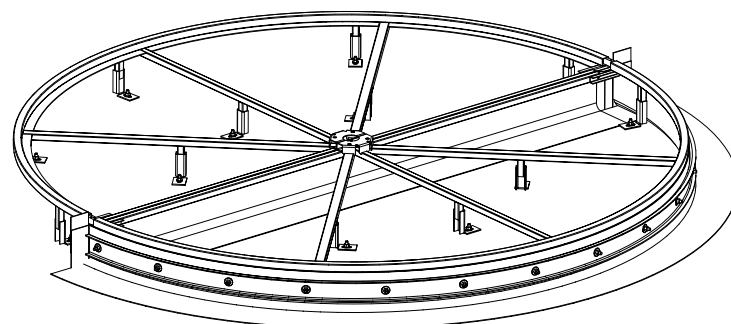
All dimensions in mm

Floor elements for SRD types

Floor element without stainless steel frame for sealing

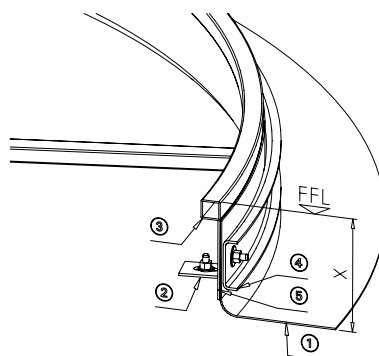


Floor element with stainless steel frame for sealing, measure X = 150 or larger



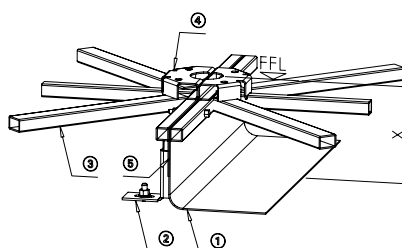
Detail: floor element with sealing foil at the outer radius, measure X = 150 or larger

1. sealing foil 300 mm (self adhesive) or foil on-site
 2. stainless steel elbow fitting
 3. stainless steel ring (25 mm)
 4. clamping rail with welded stud M8
 5. fitting panel
- X: installation depth SFL to FFL



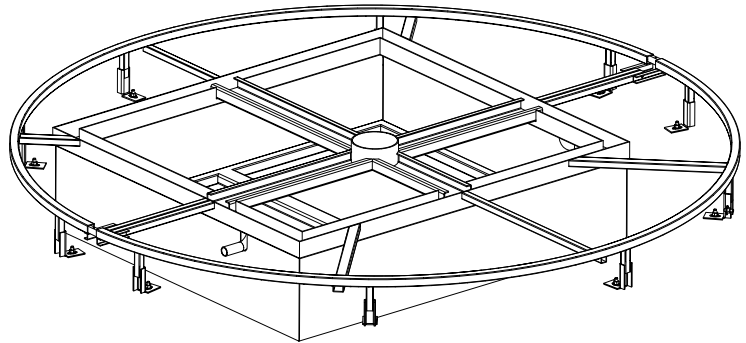
Detail: floor element with sealing foil in facade axis

1. sealing foil 300 mm (self adhesive) or foil on-site
 2. stainless steel elbow fitting
 3. stainless steel strut for connection and support
 4. installation of bearing on the floor
 5. fitting panel
- X: installation depth SFL to FFL

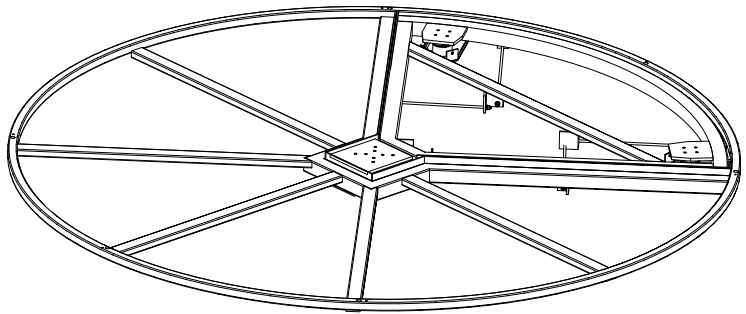


All dimensions in mm

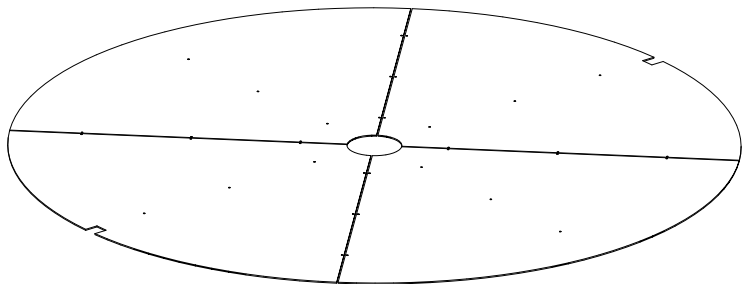
**Floor element with drive box for
floor pit, measure X = 350 or larger**



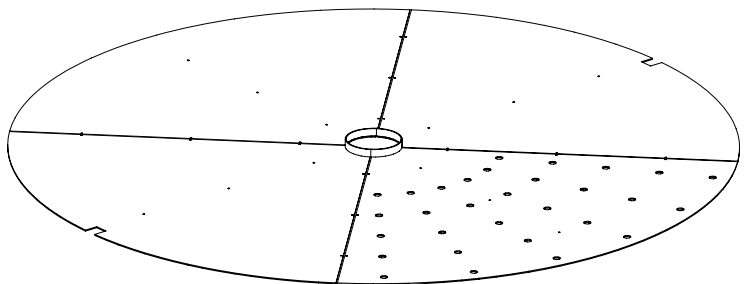
**Floor element with weighing scales
180°, measure X = 90 or larger**



**Stainless steel plate for
floor element**



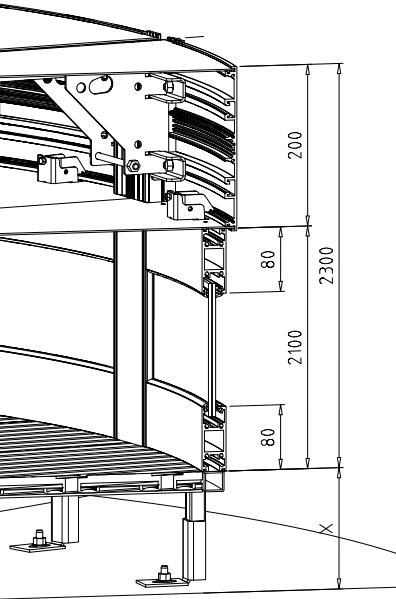
**Stainless steel plate for floor
element - perforated (for drainage)**



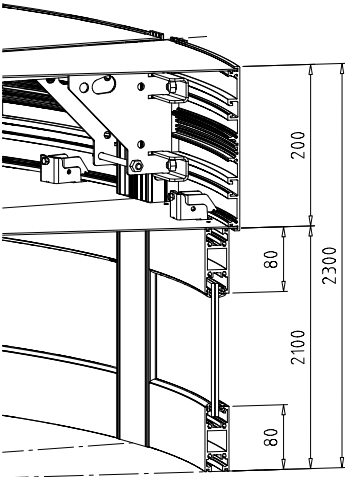
All dimensions in mm

Alternative body types for SRD

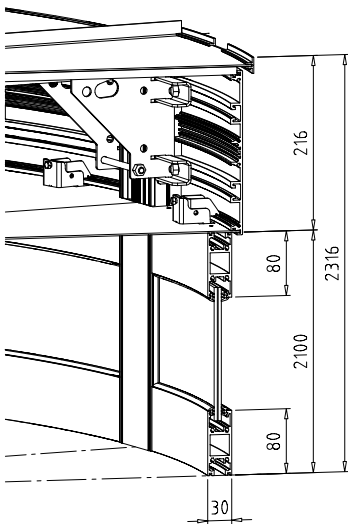
Body with floor element



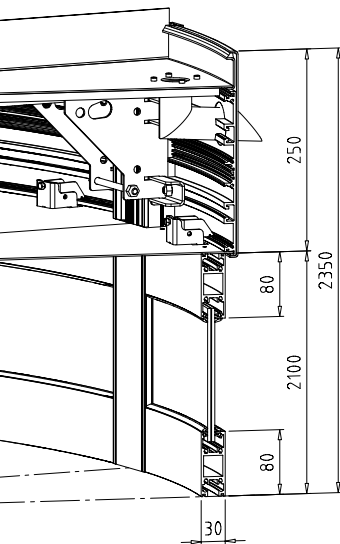
Body with dustproof cover



Body with waterproof cover

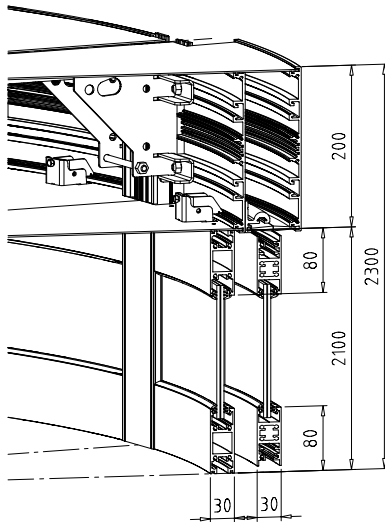


Body with waterproof cover

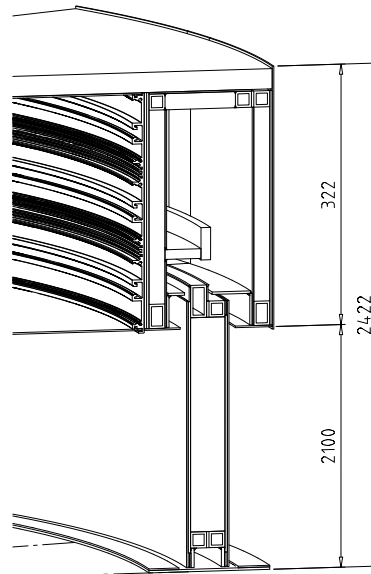


All dimensions in mm

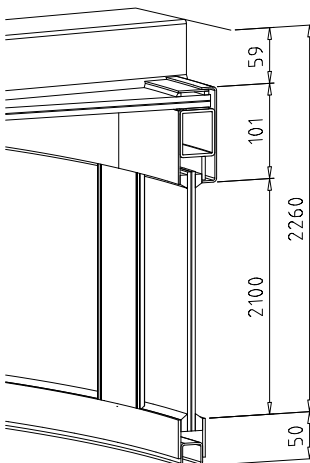
Body with night closure



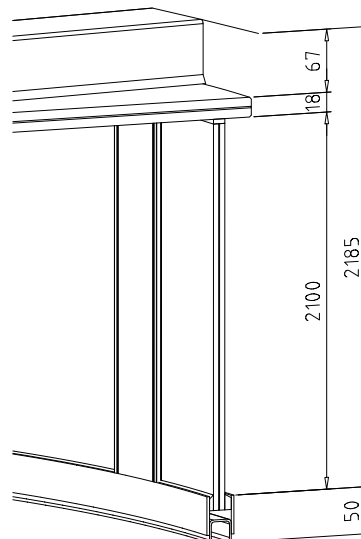
Body with fire protection



Body - glass ceiling with frame



Body - glass ceiling without frame

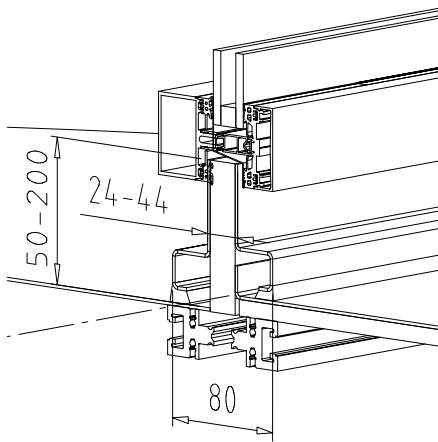


In case of integration of the SRD-S01 into the facade axis we recommend a customer-provided roof for water protection.

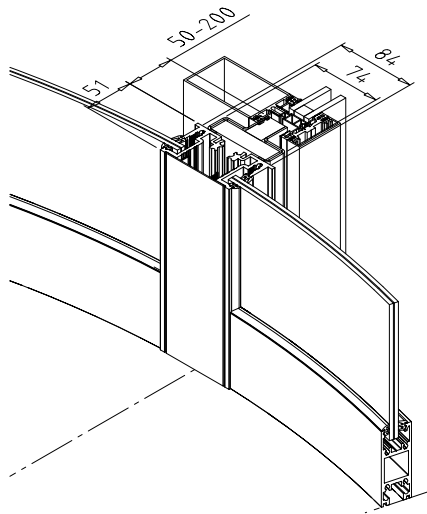
All dimensions in mm

Connections SRD

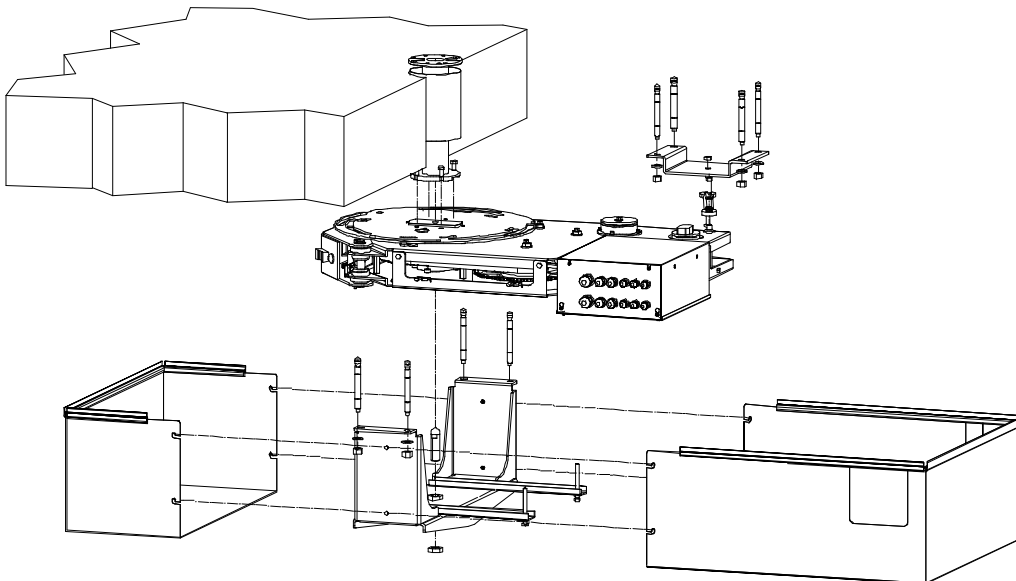
Example for wall connection 200 on top side



Example for lateral wall connection 200



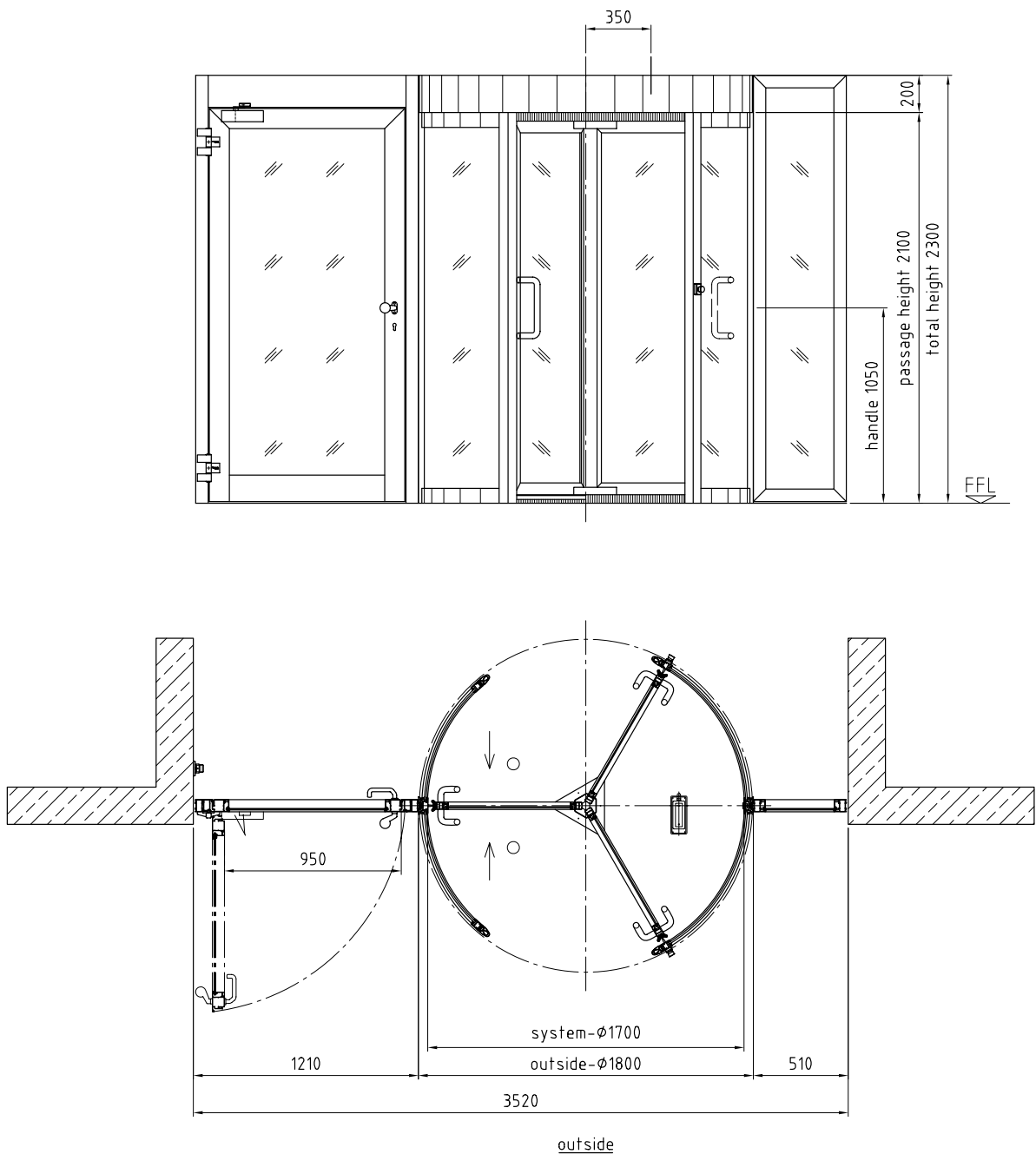
Subsurface drive



All dimensions in mm

Assembly diagram

for instance Geryon SRD-E01 (rotary cycle 120°), with emergency escape door according to DIN EN 179



All dimensions in mm



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