



SRD VISION  
The watchful eye

# Security Revolving Doors

We make access in  
life smart and secure.

dormakaba 

# Security Revolving Doors SRD

Controlled individual access.



Secure areas require a reliable system for identifying and admitting authorized persons.

## Contents

04	<b>Security Revolving Doors SRD</b>
05	<b>SRD Vision</b>
07	<b>SRD-E01</b>
08	<b>SRD-C01</b>
09	<b>SRD-S01</b>
10	<b>Options</b>
11	<b>SRD connections</b>
12	<b>SRD rotating units</b>
14	<b>Floor elements for SRD types</b>
16	<b>Alternative bodies for SRD types</b>
17	<b>Consoles</b>
18	<b>Architectural and design consultation</b>
19	<b>Service and installation</b>

# Entrance solutions by dormakaba

## Security. Sustainability. Reliability.

dormakaba stands for security, sustainability and reliability. Our mission is to make the lives of our customers smart and secure. Holding true to our mission, we invest in innovation to develop entrance solutions that exceed your demands and expectations.

The commitment to develop innovative yet practical products is what differentiates dormakaba. Our Security Revolving Doors are powerful examples of our dedication to providing premium physical access systems that perform as designed throughout the life of your building.

**"The commitment to develop innovative yet practical solutions is what differentiates dormakaba."**

To ensure our entrance solutions perform at the highest level, we provide the most comprehensive offering of services in the industry. You can trust dormakaba for exceptional product support, including installation, retrofit, replacement and maintenance.

We will continue to deliver systems that define security and convenience. Together with first class service, on-going training and aftermarket sales support, our priority will always be adding value for our customers and esteem to our brands.



# Security Revolving Doors SRD

## The ideal solution for any access point.

Facilities requiring controlled access of authorized personnel to sensitive areas rely on dormakaba Security Revolving Doors. Our doors combine convenience with performance, providing a practical and secure solution for any interior access point.

Security Revolving Doors are designed to harmonize with traditional or modern environments to achieve architectural continuity. All models are available in a wide variety of finishes and can be arranged in any configuration to allow essential and safe passage.

A sophisticated sensor system in compliance with current safety standards prevents possible injury. Depending on the security requirements, the door may be equipped with a contact mat, scales, or internal monitoring. Options include rotating units with emergency exit function or a night closure. Reinforced bullet- and burglar-resistant models are offered to enhance safety and security.

### Options for all security requirements

- End-point locking prevents trapping individuals.
- Safety sensor system.
- Standard version has IR sensor system.
- Versions with resistance classes RC2 and WK3.
- 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.

### Security Revolving Doors SRD

Throughput rate	= up to 20 per minute
Security level	= ●●●●○
Comfort	= ●●●●○



Barrier-free access can also be provided by adding dormakaba swing doors or sliding doors at the side.



# SRD Vision

## Focused on access control.

### Optional optical individual access control for maximum safety

Restricted access to sensitive areas places increased security demands on access control. The SRD Vision optical separation system, integrated with our Security Revolving Doors, accurately detects more than one person within a revolving door, then allows or denies passage as appropriate.

SRD Vision operates for both three-leaf and four-leaf revolving door applications. Security revolving doors 90.6" (2300 mm) inches in passage height\* can be retrofitted with SRD Vision.

### Applications

- Banks/insurance companies
- Prisons
- Government buildings
- Airports
- Power plants
- Laboratories
- Data centers
- Municipal offices
- Hospitals

\* Subject to a structural survey; not possible with SRD-S01 with glass ceiling.

### SRD Vision advantages at a glance

- False acceptance rate (FAR) <1%.
- False rejection rate (FRR) <1.6%.
- For three-leaf and four-leaf models (rotary cycle 120° and 180° respectively).
- Can be operated in two directions.
- Inside diameter range: Ø70-7/8" (Ø1800 mm) to Ø98-7/16" (Ø2500 mm).
- Passage heights range: 90-9/16" (2300 mm) to 114-3/16" (2900 mm).
- Requires no modification of floor structure.
- Retrofitting possible for security revolving doors with corresponding dimensions (except for SRD-S01 with glass ceiling) with a passage height of 90-9/16" (2300 mm) or more.
- 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).

Light beam illustrates the SRD Vision detection area.



### Inside



### Outside

## SRD VISION The watchful eye

### Separation process



Multiple units can be arranged diagonally to fit narrow passages for staff access at airports, train stations, or other transportation terminals where limited secure access to designated areas is required.



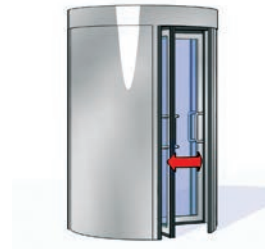
Double unit in polished stainless steel design. Units can be systematized without precondition to permit authorized access to restricted or private areas in any facility.



Achieve design continuity in any space. Security Revolving Doors seamlessly integrate within historic settings or modern structures.

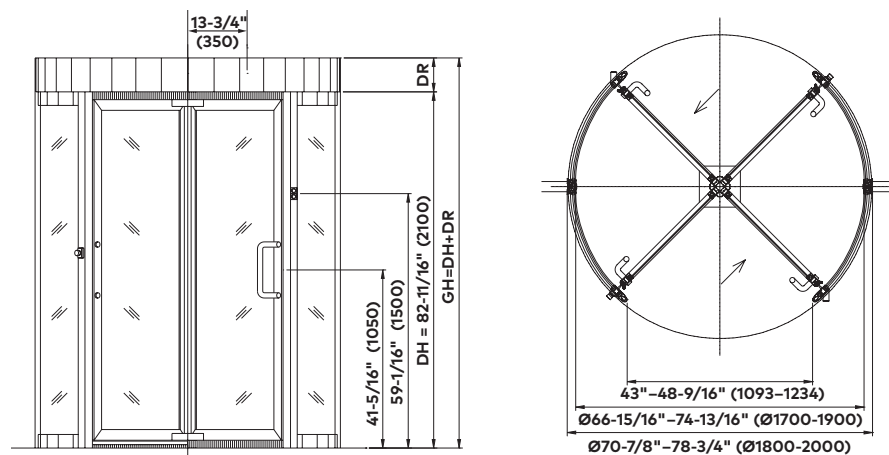
# SRD-E01

## Security Revolving Door



Standard units	SRD-E01
<b>Construction</b>	
Outside diameter	59-1/16"–78-3/4" (1500–2000 mm) (standard spacing 3-15/16" [100 mm])
Total height	90-9/16" (2300 mm)
Passage height	82-11/16" (2100 mm)
Upper part of body	7-7/8" (200 mm)
Number of door wings	3 or 4
Rotary cycle	120° or 180° (Ø70-7/8" [Ø1800mm] and larger)
<b>Body</b>	
Side panels	With glass panel, alternative metal-clad
Thermal separation	In façade level
Safety strips	On opposite closing edges
Top Cover	Raw aluminum plate, dustproof
Maintenance openings	Two, in the lower ceiling plate
<b>Rotating unit</b>	
	Framed in T40 light metal profiles
	With sealing brushes
	Black U-shaped handles
	Horizontal and vertical safety strips on door leaves
<b>Finish</b>	
	Powder-coated in RAL color
<b>Function</b>	
	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, including emergency release button.
In the event of a power failure	End point locking system, default can be set to turn freely or lock
	Two emergency stop switches
<b>Electrical equipment</b>	
	The control unit is integrated into the unit
	Power supply 100–130, 60Hz or 220–240 VAC, 50 Hz
	Standby power consumption 60 VA
<b>Installation</b>	
	On finished floor level (FFL)

SRD-E01



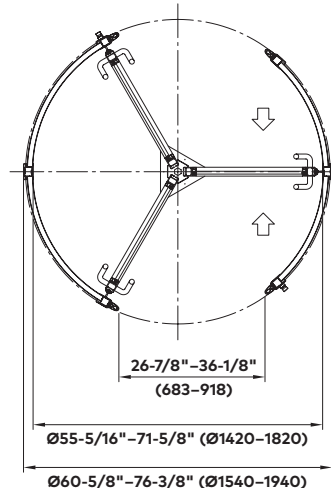
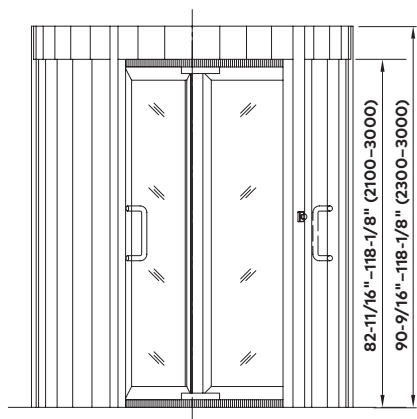
# SRD-C01

## Security Revolving Door



Standard units	SRD-C01
<b>Construction</b>	
Outside diameter	59-13/16"–79-1/2" (1520–2020 mm) (standard spacing 3-15/16" [100 mm])
Total height	90-9/16" (2300 mm)
Passage height	82-11/16" (2100 mm)
Upper part of body	7-7/8" (200 mm)
Number of door wings	3 or 4
Rotary cycle	120° or 180° (Ø71-5/8" [Ø1820 mm] and larger)
<b>Body</b>	
Side panels	Metal-clad with steel or stainless steel sub-structure, alternatively with glazing
Thermal separation	—
Safety strips	On opposite closing edges
Top Cover	Raw aluminum plate, dustproof
Maintenance openings	Two, in the lower ceiling plate
<b>Rotating unit</b>	
	Framed in T56 light metal profiles
	With sealing brushes
	Black U-shaped handles
	Horizontal and vertical safety strips on door leaves
<b>Finish</b>	
	Powder-coated in RAL color
<b>Function</b>	
	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, including emergency release button.
In the event of a power failure	End point locking system locked
	Two emergency stop switches
<b>Electrical equipment</b>	
	The control unit is integrated into the unit
	Power supply 100–130, 60Hz or 220–240 VAC, 50 Hz
	Standby power consumption 60 VA
<b>Installation</b>	
	On finished floor level (FFL)

SRD-C01



**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).



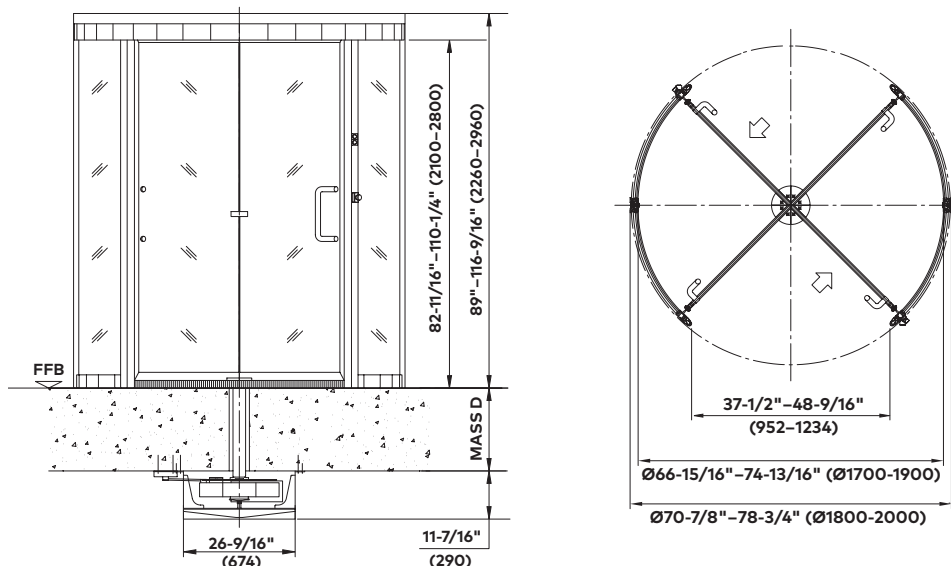
# SRD-S01

## Security Revolving Door





Standard units	SRD-S01
<b>Construction</b>	
Outside diameter	59-1/16"–78-3/4" (1500–2000 mm) (standard spacing 3-15/16" [100 mm])
Total height	89" (2260 mm)
Passage height	82-11/16" (2100 mm)
Upper part of body	–
Number of door wings	3 or 4
Rotary cycle	120° or 180° (Ø70-7/8" [Ø1800 mm] and larger)
<b>Body</b>	
Side panels	With glass panel and filigree profiles, glass ceiling made of laminated safety glass
Thermal separation	In façade level
Safety strips	On opposite closing edges
Top Cover	Laminated safety glass ceiling
Maintenance openings	–
<b>Rotating unit</b>	
	T25 w/o center column or profile, toughened safety glass
	With sealing brushes
	Black U-shaped handles
	Horizontal and vertical safety strips on door leaves
<b>Finish</b>	
	Powder-coated in RAL color
<b>Function</b>	
	PR-1 position control drive for automatic access control (under floor)
	Started by manually pushing door after release signal
	Sensor system in the ceiling (center cross beam) and 1-zone contact mat(s) monitor the intermediate segment(s) (observe the restricted installation possibility for the sensor system), including emergency release button.
In the event of a power failure	End point locking system, default can be set to turn freely or lock.
	Two emergency stop switches
<b>Electrical equipment</b>	
	Subsurface mounted control system
	Power supply 100–130, 60Hz or 220–240 VAC, 50 Hz
	Standby power consumption 60 VA
<b>Installation</b>	
	On finished floor level (FFL)

SRD-S01



**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

# Options

	SRD-E01	SRD-C01	SRD-S01
<b>Construction</b>			
Increase passage height.	○	○	○
Increase upper part of body.	○	○	–
Resistance class RC2.	○	○	○
Resistance class WK3.	–	○	–
Underfloor suspension for fixing drive to the raw ceiling.	○	○	●
Water tray or waterproof cover of outer part of body, in light metal.	○	○	–
T30 fire closure using additional special sliding doors.	○	○	–
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.	○	–	●
T56 rotating unit emergency exit function with manually foldable door wings on centric bearings (Ø 70-7/8" [1800 mm] 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 = 5-15/16" (150 mm) or larger.	○	○	○
Coir mats or black rubber mats (optionally equipped with arrow) or carpet as cleaning zone.	○	○	○
<b>Finish</b>			
AISI 304 stainless steel, satin finish or S8 mirror polished.	○	○	○
Finish anodized C0 and C31-35 (E6).	○	○	○
<b>Function</b>			
Automatic starting after entering the security door and after release signal.	○	○	○
<b>Electrical equipment</b>			
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.	○	○	○
<b>Security level: SRD</b> —Basic security achieved by adequate compartment size, light sensors in intermediate segment, and card reader for access control.	–	–	○
<b>Enhanced security* achieved by</b>			
	<b>Passage side</b>	<b>Intermediate side</b>	
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)	○	○	

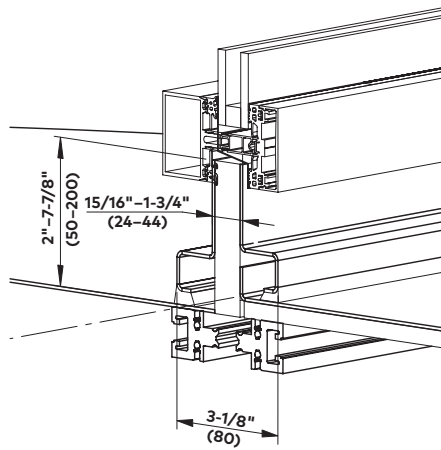
● standard ○ optional – not available

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

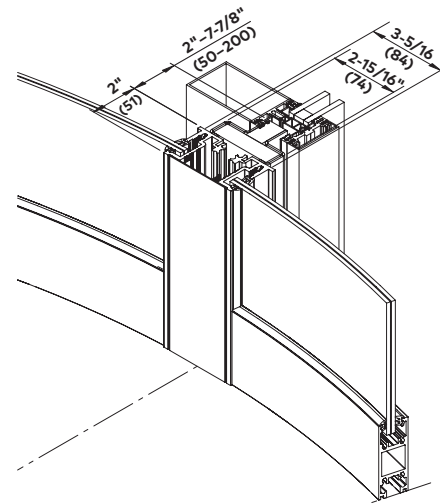
 Safety device

# SRD connections

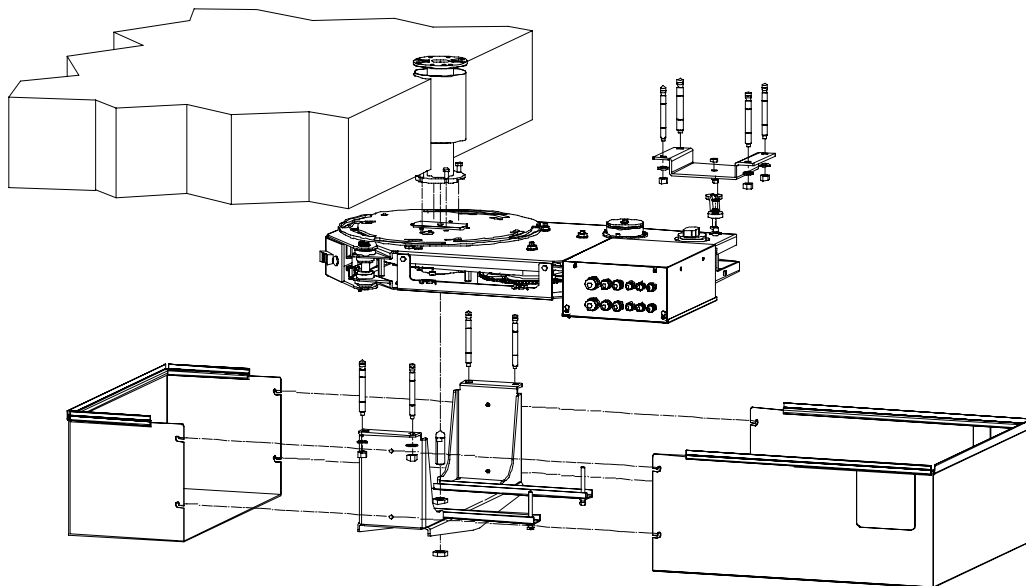
Example of 200 wall connection, top



Example of 200 wall connection, side



Underfloor drive



**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

# SRD rotating units

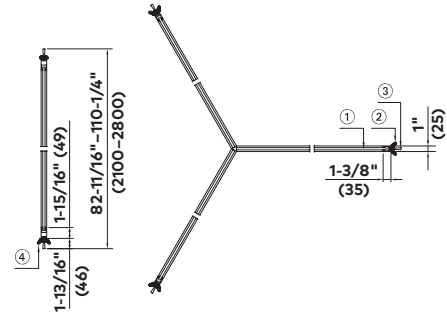
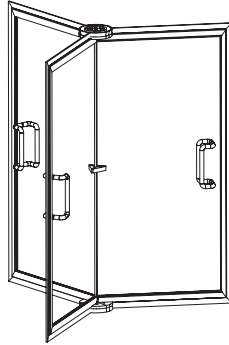
**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

## Rotating unit T25 – 120°

Outside diameter:  
 $\varnothing 59\text{-}1/16\text{"}$ – $78\text{-}3/4\text{"}$  ( $\varnothing 1500\text{--}2000\text{ mm}$ )

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

Rotating unit without center column.  
 Profile depth 1" (25 mm).

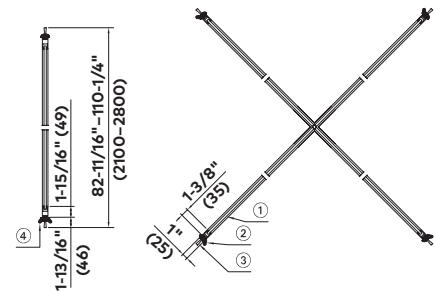
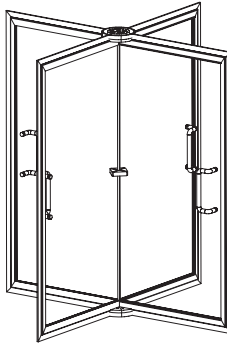


## Rotating unit T25 – 180°

Outside diameter:  
 $\varnothing 70\text{-}7/8\text{"}$ – $78\text{-}3/4\text{"}$  ( $\varnothing 1800\text{--}2000\text{ mm}$ )

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

Rotating unit without center column.  
 Profile depth 1" (25 mm).  
 Safety strips on one side.

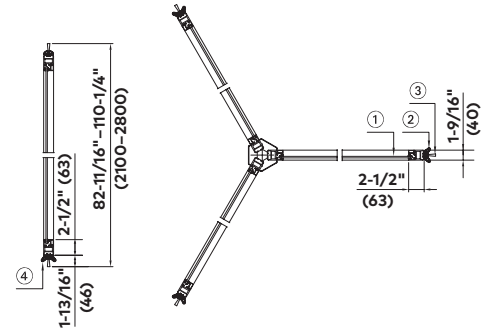
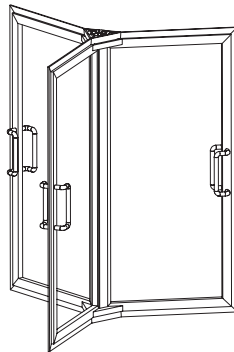


## Rotating unit T40 – 120°

Outside diameter:  
 $\varnothing 59\text{-}1/16\text{"}$ – $78\text{-}3/4\text{"}$  ( $\varnothing 1500\text{--}2000\text{ mm}$ )

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

Rotating unit with center column.  
 Profile depth 1-9/16" (40 mm).

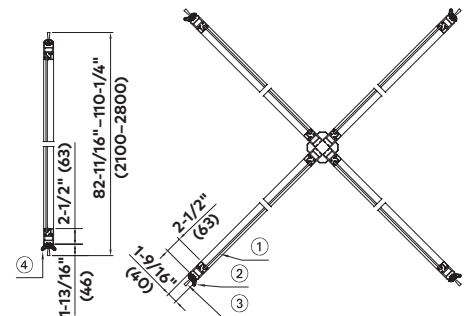
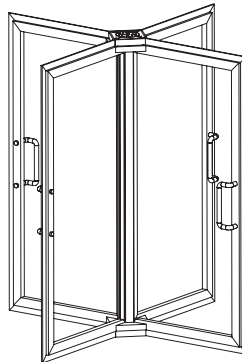


## Rotating unit T40 – 180°

$\varnothing 70\text{-}7/8\text{"}$ – $78\text{-}3/4\text{"}$  ( $\varnothing 1800\text{--}2000\text{ mm}$ )

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

Rotating unit with center column.  
 Profile depth 1-9/16" (40 mm).  
 Safety strips on one side.



**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

### Rotating unit T56 – 120°

Bullet-resistant

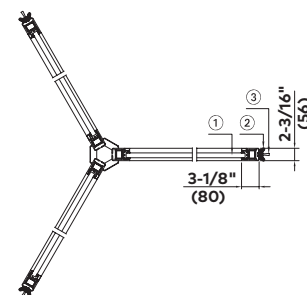
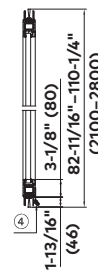
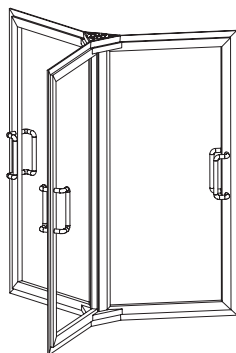
Outside diameter:

Ø60-5/8"–78-3/4" (Ø1540–2000)

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

Rotating unit with center column, bullet-resistant.

Profile depth 2-3/16" (56 mm).



### Rotating unit T56 – 180°

Bullet-resistant

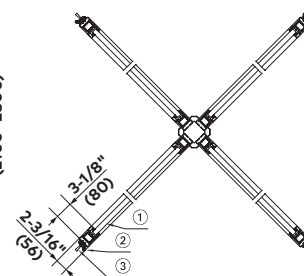
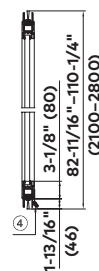
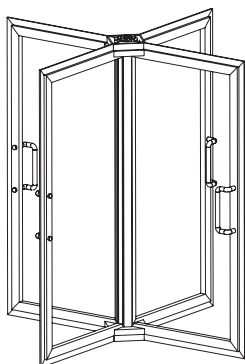
Outside diameter:

Ø70-7/8"–78-3/4" (Ø1800–2000)

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

Rotating unit with center column, bullet-resistant.

Profile depth 2-3/16" (56 mm).



### Rotating unit T56 – 120°

Escape route

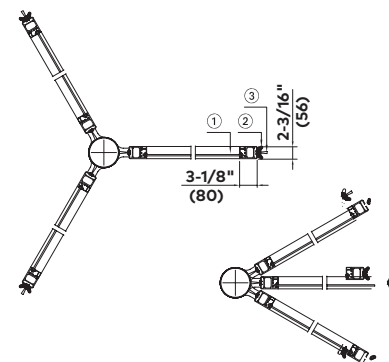
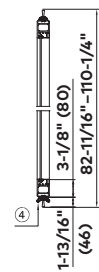
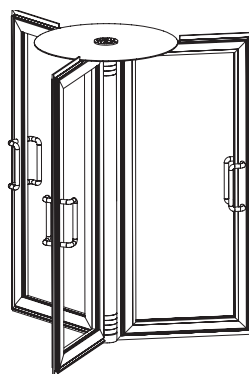
Outside diameter:

Ø70-7/8"–78-3/4" (Ø1800–2000)

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

Rotating unit with center column and emergency exit function.

Profile depth 2-3/16" (56 mm).



### Rotating unit T56 – 180°

Escape route

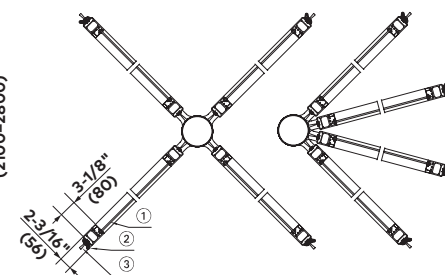
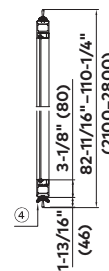
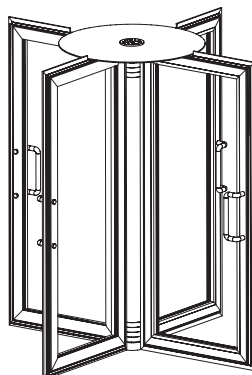
Outside diameter:

Ø70-7/8"–78-3/4" (Ø1800–2000)

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

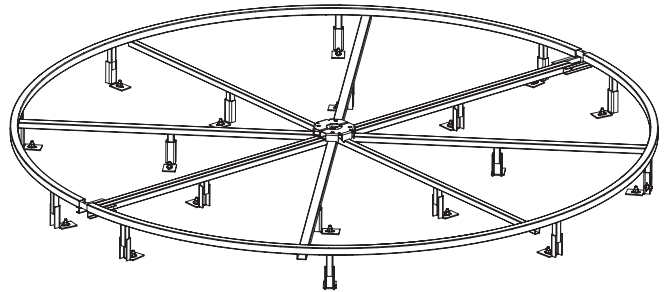
Rotating unit with center column and emergency exit function.

Profile depth 2-3/16" (56 mm).



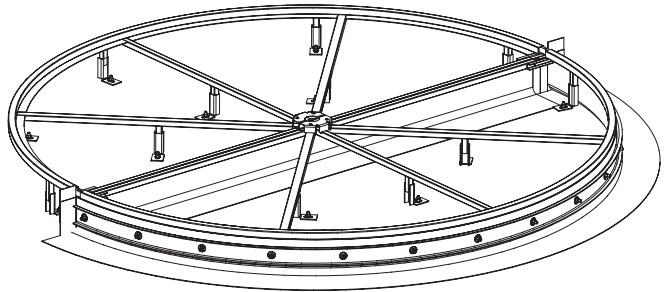
# Floor elements for SRD types

## Floor element without stainless steel plate for sealing



## Floor element with stainless steel plate for sealing

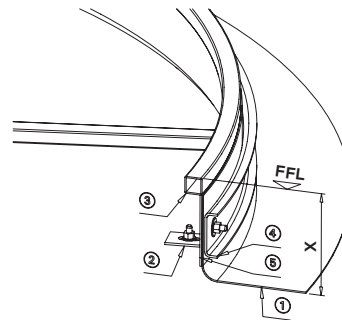
measure X = 5-15/16" (150 mm) or larger



## Detail: floor element with sealing foil at the outer radius

measure X = 5-15/16" (150 mm) or larger

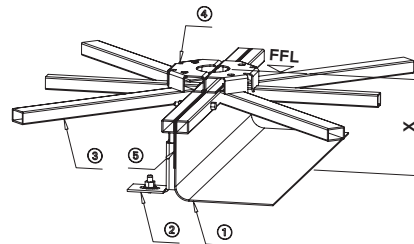
1. Sealing foil 11-13/16" (300 mm) (self-adhesive) or on-site foil
2. Stainless steel fastening clamp
3. Continuous stainless steel ring 1" (25 mm)
4. Clamping rail with M8 welding stud
5. Adjusting plate



X: installation depth superstructure FFL to superstructure SFL

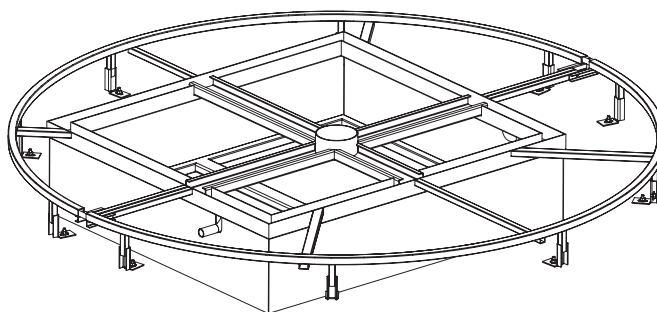
## Detail: floor element with sealing foil in facade axis

1. Sealing foil 11-13/16" (300 mm) (self-adhesive) or on-site foil
2. Stainless steel fastening clamp
3. Stainless steel strut for connection and support
4. Floor bearing fixing
5. Adjusting plate

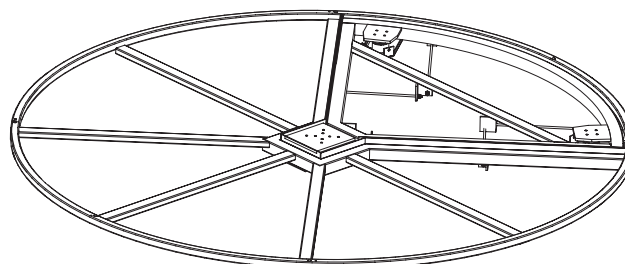


X: installation depth superstructure FFL to superstructure SFL

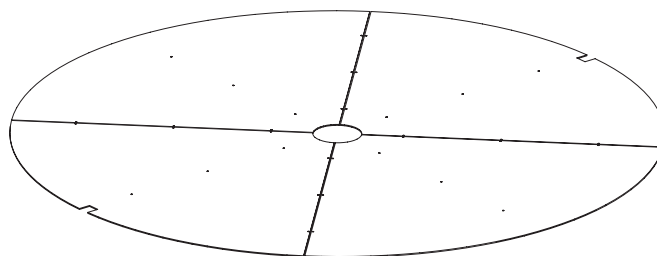
**Floor element with drive box for floor pit**  
 measure X = 13-3/4" (350 mm) or larger



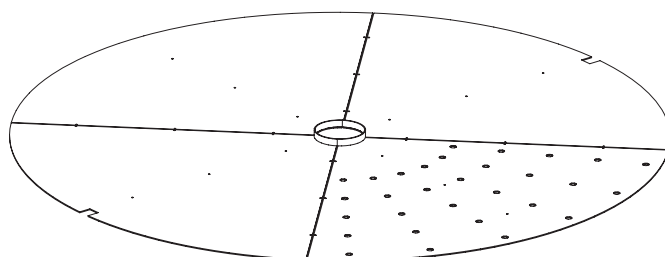
**Floor element with scales 180°**  
 measure X = 3-9/16" (90 mm) or larger



**Stainless steel plate for floor element**

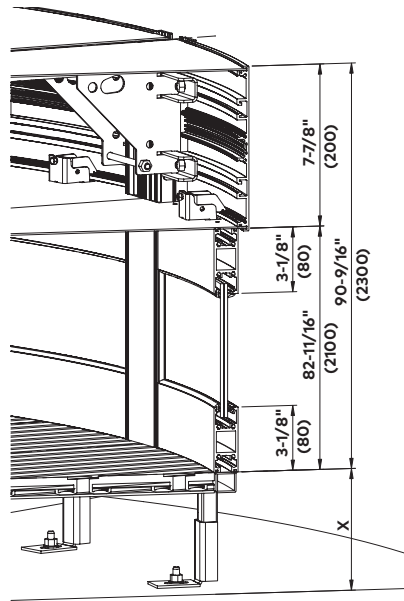


**Stainless steel plate for floor element—perforated (for drainage)**

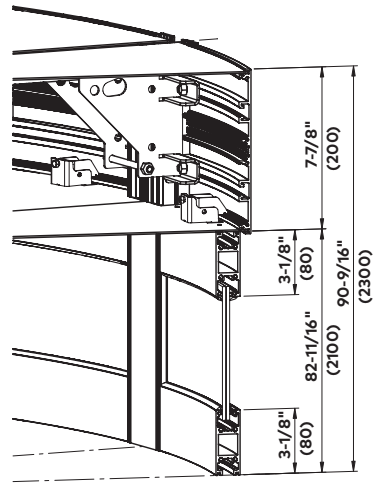


# Alternative bodies for SRD types

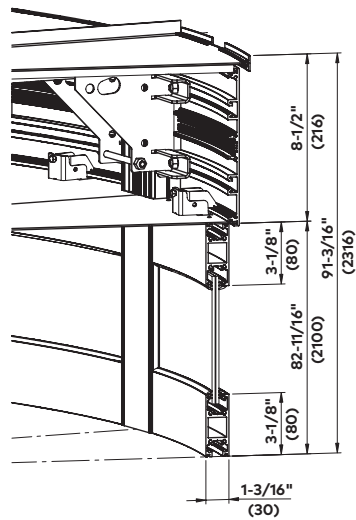
Body with floor element



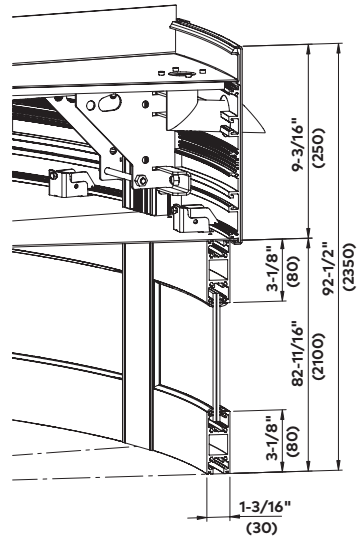
Body with dustproof cover



Body with waterproof cover



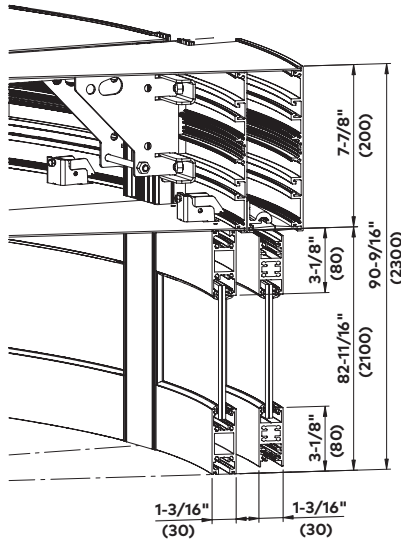
Body with water tray and spout



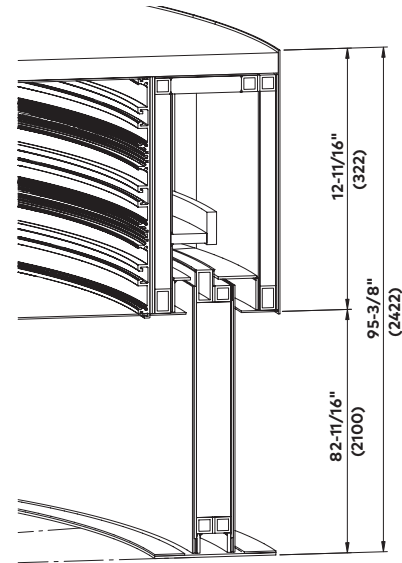
**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).



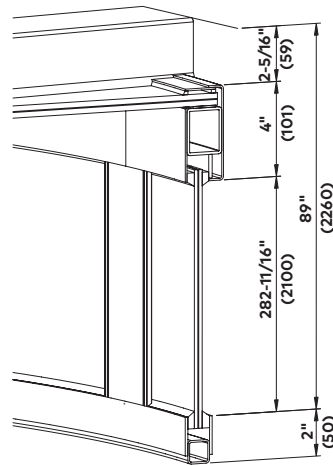
Body with night closure



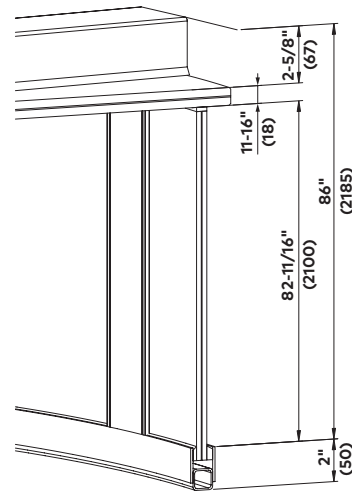
Body with fire closure



Body—glass ceiling with frame



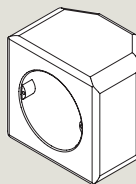
Body—glass ceiling without frame



**Note:** If the SRD-S01 is installed in the façade axis, we recommend an awning be provided on site for drainage.

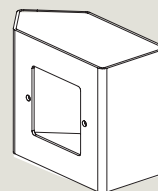
**Note:** In illustrations, measurements are shown as inches followed by millimeters; for example, 1" (25).

## Consoles



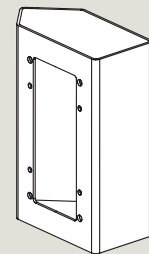
**Console 1**

Plastic in RAL 9006  
width 3-11/16" (94 mm)  
height 3-11/16" (94 mm)  
depth 2-9/16" (65 mm)



**Console 4**

Stainless steel satin finish  
width 4-5/8" (118 mm)  
height 3-11/16" (93 mm)  
depth 2-3/8" (60 mm)



**Console 5**

Stainless steel satin finish  
width 4-5/8" (118 mm)  
height 6-7/16" (164 mm)  
depth 2-3/8" (60 mm)

# Architectural and design consultation

## Project support at every phase.

We provide unparalleled support at every phase of your project—from design consultation and specifications to installation and maintenance.

We provide the most comprehensive project support services in the industry. From specification and new installation to dependable maintenance, our goal is your satisfaction.

Our in-house consultants are here to assist you from the start of your project with design and writing non-proprietary specifications and schedules. Next, you can rely on our customer service team to provide exceptional product support, while our nationwide network of service professionals can help with the final phases of installation and proper maintenance.

Our comprehensive specification writing services include consultation on our complete range of entrance solutions:

- automatic door systems (sliding, swinging, and revolving doors)
- glass systems and hardware
- architectural hardware
- operable walls

#### Consulting services include:

- Developing code-compliant access solution specifications and schedules.
- Developing detailed specifications for all other product groups.
- Meeting with the design professional and/or owner to discuss project requirements and security coordination.
- Assisting with development of a professional key system.
- Preparing budgets.
- Reviewing substitution requests.
- Reviewing submittals.
- Responding to RFIs, owner's comments, and comments from other entities.
- Assisting with punch list development and administration.

For comprehensive project support, call dormakaba at **844-SPECNOW** (844-773-2669)



# Service and installation

A commitment to excellence.

Our nationwide network of service professionals is certified by the American Association of Automatic Door Manufacturers.

With an emphasis on service excellence, dormakaba is committed to delivering, installing and servicing automatic, revolving, and manual doors and hardware for commercial applications.

dormakaba's nationwide network of service professionals provides responsive and comprehensive sales, technical, project management, and maintenance support. Dedicated to the highest level of expertise, all our service technicians are certified by the American Association of Automatic Door Manufacturers (AAADM).

With more than 28 offices throughout North America, our certified professionals are ready to respond to your service needs.

Visit [go.dormakaba.com/ServiceAMER](https://go.dormakaba.com/ServiceAMER) to learn more about dormakaba Service and Installation.





[www.dormakaba.com](http://www.dormakaba.com)

DORMA USA, Inc.  
Dorma Drive,  
Drawer AC  
Reamstown, PA 17567  
844-SPECNOW

KAA1362 0217 1.5M CT