Product facts Geryon
SRD Security Revolving Doors
STS Security Turnstiles

Automatic access control to prevent unauthorised access to restricted areas.
## Security Revolving Doors SRD

### Basic equipment

<table>
<thead>
<tr>
<th>Feature</th>
<th>SRD-E01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction</strong></td>
<td></td>
</tr>
<tr>
<td>outside diameter</td>
<td>1500-2000 (standard spacing 100 mm)</td>
</tr>
<tr>
<td>total height</td>
<td>2300</td>
</tr>
<tr>
<td>passage height</td>
<td>2100</td>
</tr>
<tr>
<td>body top</td>
<td>200</td>
</tr>
<tr>
<td>number of door wings</td>
<td>3 or 4</td>
</tr>
<tr>
<td>rotary cycle</td>
<td>90°, 120° or 180° (Ø 1800 and larger)</td>
</tr>
<tr>
<td>additional feature</td>
<td>optional: tested category resistance WK 2 (RC 2)</td>
</tr>
</tbody>
</table>

### Body

- side panels: with glazing, alternative: metal cladded

- thermal separation: on facade level
- safety strips: on opposite shearing edges
- top cover: raw aluminium plate, dust-proof
- maintenance openings: two, in the lower ceiling plate

### Rotating unit

- framed in aluminium profiles T40
- with sealing brushes
- black U-shaped handles
- horizontal and vertical safety bars at the door wings

### Finish

- powder coated in a RAL colour or silver anodized

### Function

- 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 centre post)
- in case of power failure: 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

### Electrical components

- control system integrated in the unit
- power supply 110-230 VAC, 50/60 Hz
- standby power consumption 60 VA

### Installation

- on finished floor level (FFL)

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All dimensions in mm
Security Revolving Doors SRD

Basic equipment

- SRD-E01
- SRD-C01
- SRD-S01

Construction

<table>
<thead>
<tr>
<th>Size</th>
<th>Diameter</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>1540-1940</td>
<td>1800</td>
<td>2300</td>
</tr>
<tr>
<td>1800/2000</td>
<td>2100</td>
<td>2260</td>
</tr>
<tr>
<td>2100</td>
<td>2100</td>
<td></td>
</tr>
<tr>
<td>2300</td>
<td>2300</td>
<td></td>
</tr>
</tbody>
</table>

- 3 or 4 door wings
- 90°, 120° or 180° (Ø 1740 and larger)
- 180° (Ø 1800 and larger)

Optional: shatter and/or bullet resistant

- with steel foundation, metal clad, based on category
- with 8 mm laminated glass and filigree profiles,
- ceiling made of laminated glass

Body

- side panels with glazing,
- alternative side panels with glazing
- metal clad with steel foundation,
- metal clad, based on category
- with 8 mm laminated glass and filigree profiles,
- ceiling made of laminated glass

- with sealing brushes
- with sealing brushes
- with sealing brushes

- black U-shaped handles
- black U-shaped handles
- black U-shaped handles

- horizontal and vertical safety bars at the door wings
- horizontal and vertical safety bars at the door wings
- horizontal and vertical safety bars at the door wings

- powder coated in a RAL colour or silver anodized
- powder coated in a RAL colour or silver anodized
- powder coated in a RAL colour or silver anodized

- position control drive PR-1 integrated in top construction
- position control drive PR-1 subsurface
- start by hand push after release signal
- start by hand push after release signal
- sensor system in the barrier segment, incl. release button (in centre post)
- sensor system in the barrier segment, incl. release button (in centre post)

- signal display red/green for rotary cycle 180°
- signal display red/green for rotary cycle 180°
- 2 emergency off switches
- 2 emergency off switches
- control system integrated in the unit
- subsurface mounted control system
- power supply 110-230 VAC, 50/60 Hz
- power supply 110-230 VAC, 50/60 Hz
- standby power consumption 60 VA
- standby power consumption 60 VA

- on finished floor level FFL
- on finished floor level FFL

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All dimensions in mm

Example rotary cycle 120°

Rotary cycle 180°
### Security Turnstiles STS

#### Basic equipment

<table>
<thead>
<tr>
<th>STS-S02</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Construction</strong></td>
<td></td>
</tr>
<tr>
<td>outside diameter</td>
<td>1500</td>
</tr>
<tr>
<td>total height</td>
<td>2275</td>
</tr>
<tr>
<td>passage height</td>
<td>2075</td>
</tr>
<tr>
<td>body top</td>
<td>200</td>
</tr>
<tr>
<td>rotating unit</td>
<td>120°, consisting of a column and 3 door wings with 7 plexiglass elements each</td>
</tr>
</tbody>
</table>

| **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 colour 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
Security Turnstiles STS

Basic equipment Options

STS-S02

Construction

outside diameter	 1500

total height	 2275

passage height	 2075

body
top	 200

rotating unit	 120°,

consisting of
ta
door wings with
7 plexiglass
elements
each

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

colour 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 for Security Turnstiles STS-S02

Construction

- plexiglass elements reinforced by two integrated stainless steel bars
- side panels metal clad
- U-shaped crossbars

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

<table>
<thead>
<tr>
<th>Rotating unit stainless steel - 120°</th>
<th>Rotating unit plexiglass - 120°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inside diameter: Ø 1400</td>
<td>Inside diameter: Ø 1400</td>
</tr>
<tr>
<td>1. stainless steel tube, electropolished</td>
<td>1. plexiglass crossbars, transparent/</td>
</tr>
<tr>
<td>2. stainless steel crossbar, electropolished</td>
<td>with marking</td>
</tr>
<tr>
<td>1. metal cladding in unit colour</td>
<td>2. plexiglass crossbars, transparent/</td>
</tr>
<tr>
<td>with marking</td>
<td>with marking</td>
</tr>
<tr>
<td>optionally with stainless steel inlay</td>
<td>optionally with stainless steel inlay</td>
</tr>
</tbody>
</table>

Consoles for STS and SRD

<table>
<thead>
<tr>
<th>Console 1</th>
<th>Console 4</th>
<th>Console 5</th>
<th>release push-button</th>
<th>OPL 01 (SRD)</th>
<th>OPL 05 (STS)</th>
<th>key switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>in plastic in RAL 9006</td>
<td>in stainless steel</td>
<td>in stainless steel</td>
<td>satin finish</td>
<td>satin finish</td>
<td>satin finish</td>
<td></td>
</tr>
<tr>
<td>width 94 mm</td>
<td>width 118 mm</td>
<td>width 118 mm</td>
<td></td>
<td></td>
<td></td>
<td>depth 60 mm</td>
</tr>
<tr>
<td>height 94 mm</td>
<td>height 93 mm</td>
<td>height 164 mm</td>
<td></td>
<td></td>
<td></td>
<td>depth 60 mm</td>
</tr>
</tbody>
</table>
Options for SRD Security Revolving Doors dependant on unit type

<table>
<thead>
<tr>
<th>Construction</th>
<th>SRD-E01</th>
<th>SRD-C01</th>
<th>SRD-S01</th>
</tr>
</thead>
<tbody>
<tr>
<td>• modification of outside diameter different from standard spacing 100 mm</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• increase of passage height</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• increase of body top</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• underfloor suspension for installation of drive on the raw ceiling</td>
<td>•</td>
<td>•</td>
<td>Standard</td>
</tr>
<tr>
<td>• water tray or waterproof cover of outer part of body in aluminium</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• fire closure EI-30 by additional special sliding doors</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• night slides outside, manual</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• motor for night slides</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• monitoring of night closure, notification of status closed or closed and locked</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• rotating unit 3 wings (120°)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• rotating unit T25, all-glass version</td>
<td>•</td>
<td>•</td>
<td>Standard</td>
</tr>
<tr>
<td>• rotating unit T56 emergency function with manually foldable door wings on centrical bearings</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• stainless steel handle horizontal or vertical, installed on door wings</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• floor element in stainless steel for advance installation</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• sealing foil at the outer radius or in facade axis</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• stainless steel plate, may be perforated, to apply floor covering; optional waterproof wood plate</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• stainless steel frame/fitting panel for floor element</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• clamping rail for fixing of sealing foil</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• cleaning mats or black rubber mat (optionally equipped with arrow) or carpet as cleaning zone</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Finish</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• stainless steel AISI 304 satin finish or mirror finish S8</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• finish E6 anodised in colour</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Function</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• automatic starting after entering the security door and reader release signal</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical components</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• different consoles</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• push-button for manual single release</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• electro key switch</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• operating panel OPL01, functions can be chosen freely</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• signal lights</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• alarm glazing (depending on chosen type of glazing)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• weight control</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• contact mat for monitoring of intermediate segment, on SFL or FFL</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• emergency stop push-buttons with seal cap, instead of the existing ones</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• pre-sensors for heavy rotating units, for additional safeguarding of persons requiring special protection</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>• lighting 2 to 4 pieces, halogen</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Security level: SRD</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic security is attained by adequate containment area, light sensors in barrier segment and card reader for access control.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Enhanced security is attained by

| • contact mat (1 zone) | | | |
| • rotating unit scale | | | |
| • actual weight scale including rotating unit scale | | | • |
| • scale with weight limit including rotating unit scale | | | • |
| • biometries 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 centre 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 centre column.
Depth of profiles 25 mm.
Rotating unit T25 - 90° identical construction safety strips on both sides.

Rotating unit T40 - 120°
outside diameter: Ø 1500 - Ø 2000
1. laminated glass
2. safety strip
3. sealing brush
4. safety strip

Rotating unit with centre 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 centre column.
Depth of profiles 40 mm.
Rotating unit T40 - 90° identical construction safety strips on both sides.

All dimensions in mm
### Rotating units SRD

**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 centre 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 centre column, bullet resistant.
Depth of profiles 56 mm.
Rotating unit T56 - 90° - bullet resistant identical construction safety strips on both sides.

**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 centre 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 centre column and escape function.
Depth of profiles 56 mm.
Floor elements for SRD types

Floor element without stainless steel frame for sealing

Floor element with stainless steel frame for sealing

Detail: floor element with sealing foil at the outer radius
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 elements for SRD types

Floor element with drive box for floor pit

Floor element with weighing scales 180°

Stainless steel plate for floor element

Stainless steel plate for floor element - perforated (for drainage)
### Alternative body types for SRD

<table>
<thead>
<tr>
<th>Body with floor element</th>
<th>Body with dustproof cover</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Body with floor element" /></td>
<td><img src="image2" alt="Body with dustproof cover" /></td>
</tr>
<tr>
<td>Body with waterproof cover</td>
<td>Body with water tray and drain pipe</td>
</tr>
<tr>
<td><img src="image3" alt="Body with waterproof cover" /></td>
<td><img src="image4" alt="Body with water tray and drain pipe" /></td>
</tr>
</tbody>
</table>

All dimensions in mm
### Alternative body types for SRD

<table>
<thead>
<tr>
<th>Body type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body with night closure</td>
<td>Body with fire protection</td>
</tr>
<tr>
<td>Body - glass ceiling with frame</td>
<td>Body - glass ceiling without frame</td>
</tr>
</tbody>
</table>

In case of integration of the SRD-S01 into the facade axis we recommend a customer-provided roof for water protection.
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·EOI (rotary cycle 120°), with emergency escape door according to DIN EN 179