



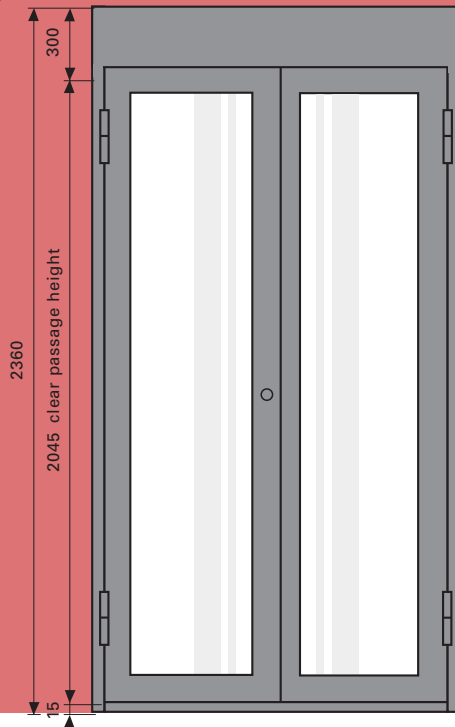
Schneebeli
Security
Interlocking
Doors Type RENO

Security, fire protection, transport passage and escape route; all are combined in the Security Interlocking Doors Type RENO.



Schneebeli security door interlock systems type RENO are installed where only authorised personnel are permitted access to a part of a building e.g. staff entrance, banking hall, EDP room. Together with a freely selectable access control system, the RENO system offers high security for the passage of ca. 300 persons per hour.

In addition to its person singling function, the RENO system satisfies 3 more important requirements such as TRANSPORT PASSAGE, FIRE PROTECTION and ESCAPE ROUTE. Moreover the RENO has an elegant appearance for optimal integration into the local circumstances. RENO systems are best suited for new buildings but can also be installed in conversions and RENOVations as they can be mounted on the finished floor.



System type RENO

The RENO system comprises a compact booth in various widths with two side-walls, fitted inside and outside with swing door elements. Two mutually independent swing door drives are installed at the top in the roof area. The floor frame with non-slip rubber contact mat is 15 mm high and can be placed on or recessed into the finished floor.

The glazing of the outer tubular steel door is of intrusion-resistant laminated safety glass, optionally supplied in classes A1-B3. The glazing of the inner glass door is of 10 mm thick toughened safety glass.

Function

In the normal position the RENO booth is closed inside and outside. The outer door is opened by a pulse from the building owner's access control system, giving access to the booth. Once the person has entered the booth, the outer door is closed and the inner door is opened, giving access to the protected room. The inside door closes once the person has left the booth.

Exit takes place in the same way, in the reverse direction.

A simple action by the booth occupant enables the booth to be left in the case of a power failure or control fault.

Technical data

The RENO booth is supplied in 3 standard sizes:

- Size A 1140 mm = 900 mm cpw
 - Size A 1240 mm = 1000 mm cpw
 - Size A 1340 mm = 1100 mm cpw (cpw = clear passage width)
- Special sizes are possible.

Design variants:

- Glass or sheet steel side-walls
- With or without escape route function
- Normal position with both doors closed or with inside door open

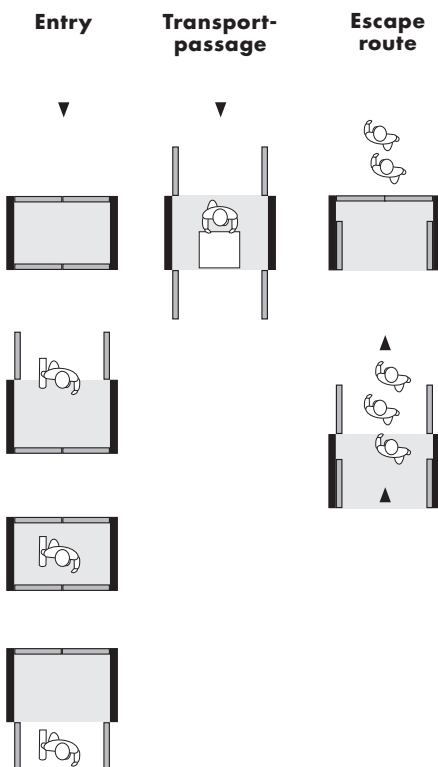
Surface finish:

- stove enamelled steel
- matt or polished stainless steel

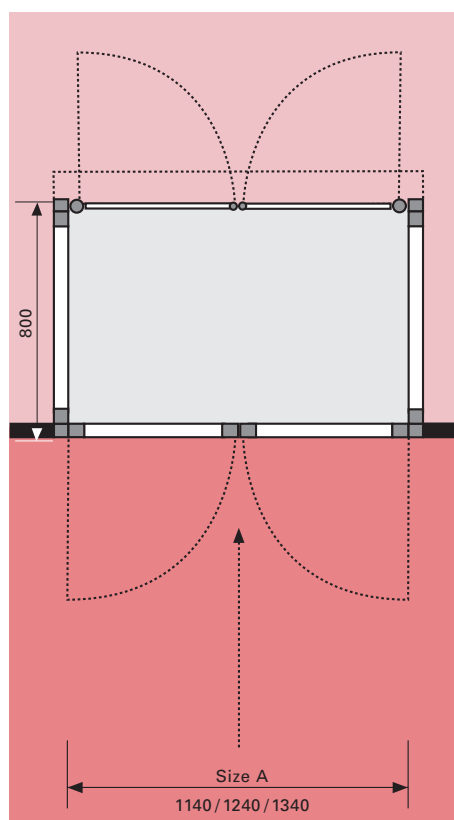
Power supply 230 V / 50 Hz, 10 A, Wattage 0.5 kW, Stored program controller (SPC), Control cabinet 600 x 600 x 250 mm, Cabin lighting 12 V, 20 W with 1 halogen lamp. Entry of electrical supply cables from top or bottom.

The RENO system can be connected to any access control system.

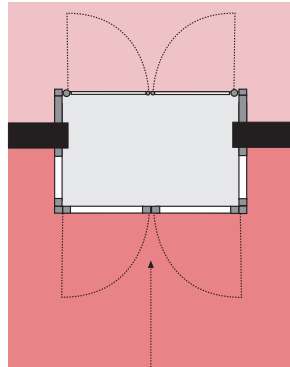
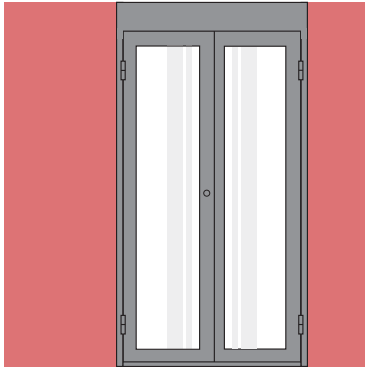
Subject to dimensional and technical design changes.



room interior



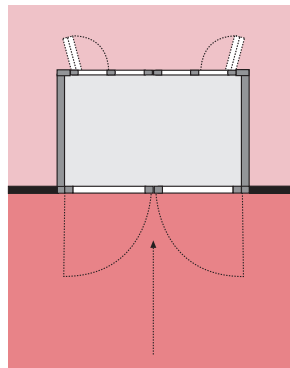
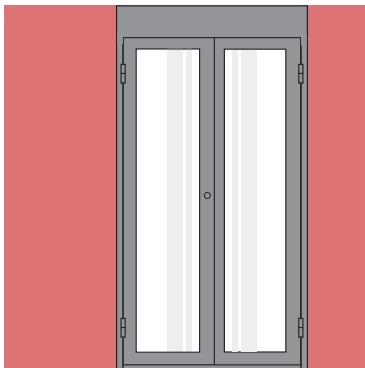
Schneebeli security interlocking doors type RENO are adaptable and can be used in various ways.



System type RENO-2

This type of booth is intended mainly for retro-installation in an existing building in the case of renovation or also as a provisional measure. Instead of the compact booth, this two-part RENO system comprises a separate outer and inner part, installed both sides of an existing door opening. Together the parts form a complete RENO system.

The functions and technical data are identical to those for the standard RENO system. The basic construction with the glazing is also identical. In this case however, the side elements are usually of sheet steel.



System type RENO-F

With this RENO system variant, an automatic folding door is installed in place of the inner glass swing door. The advantage here is that the door leaves do not protrude so far into the space when open. So this variant is installed where the interior space is restricted.

The functions are identical. The throughput capacity is reduced because of the automatic folding doors.

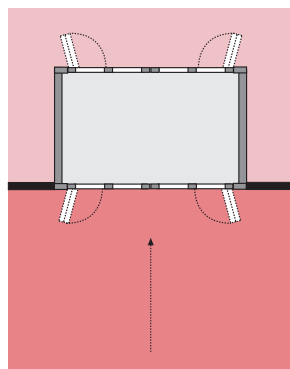
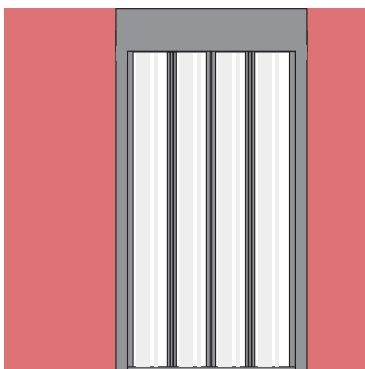
The RENO-F variant is supplied in 3 standard sizes:

- Size A 1150 mm = 900 mm cpw
- Size A 1250 mm = 1000 mm cpw
- Size A 1350 mm = 1100 mm cpw (cpw = clear passage width)

Special sizes are possible.

This variant too can be supplied with or without escape route. For the escape route variant the clear passage width is reduced by 50 mm for the same external dimension.

The design height and other technical data are identical to those for the standard RENO system.



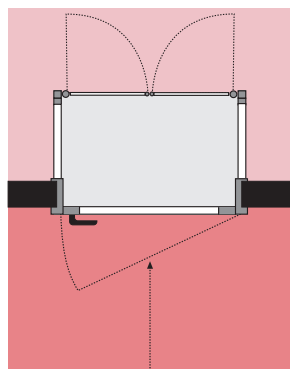
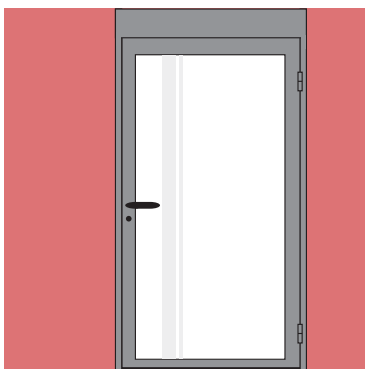
System type RENO-FF

This RENO variant is the ideal solution where the available space is limited inside and outside. Both swing doors are replaced by automatic folding doors.

This variant also permits the escape route function. The throughput capacity is reduced and the intrusion resistance is lower than with the stable tubular steel doors on the outside.

The functions and design size are identical to those for the variant RENO-F. In place of a handle on the tubular steel door, self-release in the case of power failure is here effected by a manual release on the side-wall, inside the cabin.

The other technical data are identical to those for the standard RENO system.



RENO special designs

Thanks to its two-part variable basic construction, the RENO system is also well suited for special cases according to your requirements.

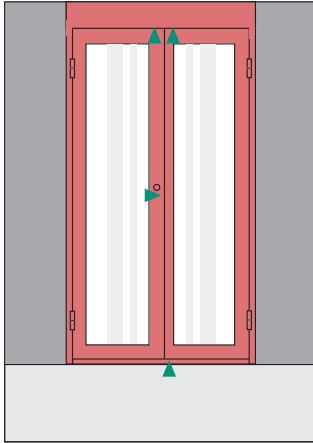
It is possible for instance, with a normal hand operated outside swing door, to install the inside half of the RENO on the inside.

In this way a security door interlock system is created in a simple manner to prevent persons from directly entering the protected room. Only when the outer door has been closed can the inside door of the booth be opened.

The half RENO can also be used as a protective cabin for cash point users.

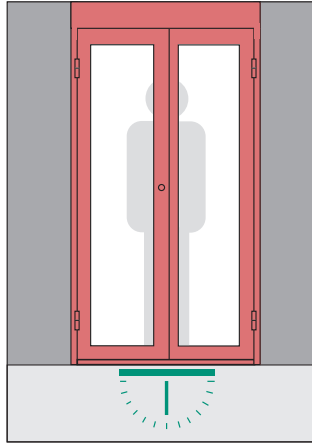
Schneebeli security interlocking doors type RENO is a flexible system with many expansion possibilities.

Four-point locking



This four-point locking of the outer door renders the RENO intrusion-resistant to a high degree (in accordance with ET 2). This additional locking is utilised principally where the RENO is installed directly in the building facade and no additional external closure is available. The escape route is also guaranteed with the four-point locking.

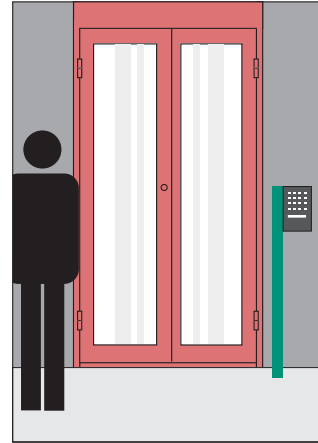
Weighing floor



There are 2 variants of the weighing floor for enhanced security, to prevent 2 persons passing through together:

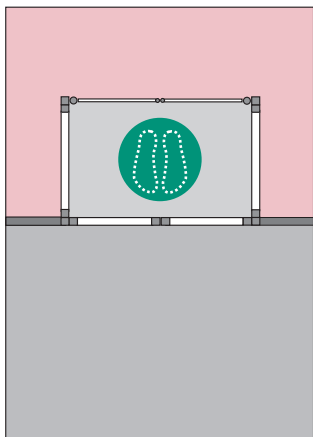
1. Weighing floor with an adjustable weight limit from 10–130 kg (evaluation by our control).
2. Weighing floor with monitoring of each individual person according to their personal weights, corresponding to the input into the reader system (evaluation by the reader system).

Reader pillar or console



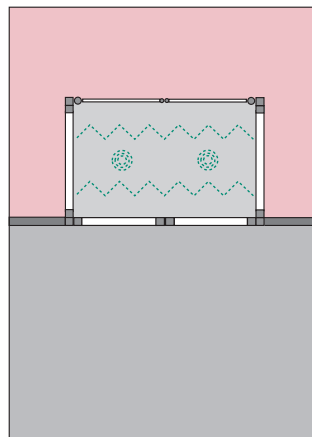
Stand-alone pillar or console for mounting the building reader equipment. The stand-alone pillar is mounted to the floor and the console to the side of the RENO booth or the continuous side-wall. Design according to your specifications. Execution in stove enamelled steel, matt or polished stainless steel.

Two-zone contact floor



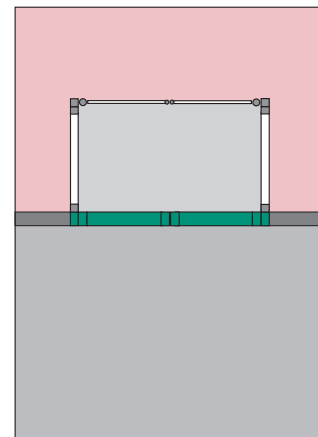
The aim of this special contact carpeting is to enhance security in a simple fashion. It comprises an outer zone and a central zone. To pass through the RENO booth, the person must stand with both feet in the central zone, otherwise the booth is barred. The two-zone contact carpeting is normally supplied in two colours. As an option an acoustic signal can indicate incorrect standing position.

Additional sensory analysis



This additional sensory monitoring prevents to a high degree the simultaneous entrance of 2 persons and can only be installed in combination with the two-zone contact floor. By horizontal and vertical light barriers, the interior of the booth is optically reduced so that the second person is detected. Different optical sizes can be set with a selector switch. The carrying of a portfolio or briefcase is however possible.

Special outer doors



As the outer doors of the RENO booth normally comprise tubular steel swing doors, these can also be built with special requirements, such as e.g.

- **fire protection door**
- **closure class R30 or T30**
- **shot penetration resistant door closure class FB 1-4**

As these special doors sometimes have large installation depths, the design depths of the RENO booths can vary.

2 interlocking doors type RENO as an aesthetic showpiece as a staff entrance to an administrative building.



Interlocking doors type RENO with T30-requirement as an entrance to a security room in three different situations.



Closed



Outer door open



Total open



Inside view of the 2 RENO booths with open folding doors.



Interlocking doors type RENO with R30-requirement as a staff entrance from a staircase-hall.



**Other special objects
from our security system
programme:**

Turnstile as a security
entrance for a garage in an
administrative building.



Security revolving doors in
anodised Colinal aluminium
as main entrance to
an administrative building.



Circular booth as a night-time
entrance to a military building
beside the main entrance.



**The versatile production
programme from our modern
workshops in Dietlikon covers:**

Security systems

Shot penetration protected
switchgear systems

Shot penetration protected
windows, doors and
wall elements according to the
"Sälzer System" (FB1-FB7)

Fire protection doors according
to fire protection regulations

Metal windows

Display window installations

House and shop entrances

Sliding doors, lift-up shutter doors,
vertical sliding doors

Carousel revolving doors

Glass showcases and display
cabinets

All-glass constructions

Metal staircases

Railings of all metals or of glass

Special constructions in all metals



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