

# NASSAU 9000G

Gives light and vision



You know the Quality

## Chapter 2

# NASSAU 9000G

## Gives light and vision

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We reserve the right to make modifications without prior notice.





## NASSAU 9000G

### Light and vision

The NASSAU 9000G (Glass) with windows has been specially designed for buildings where a lot of natural light is required.

Elegant lightness is a key word for NASSAU 9000G. With the NASSAU 9000G, you can combine glass with other filling panels, all framed by light-weight yet strong aluminium profiles.

This is the ideal solution if you need good natural light, or if you want people to look inside.

This chapter explains the structure of the NASSAU 9000G as well as the technical characteristics of the door.



# Inspiration



SHOWROOMS



SERVICE STATIONS



MULTI-STOREY CAR PARKS AND CELLARS



FIRE STATIONS





## Structure of the door

### THE DOOR LEAF

The door leaf for the NASSAU 9000G consists of aluminium profile sections built at different heights from 400 to 675 mm. The sections are 44 mm thick. The NASSAU 9000G offers perfect natural light inside the building.

The sections have been built with extruded anodised aluminium profiles with patented finger protection between the sections, which makes it impossible to get your fingers crushed while the door is moving. The danger of crushing your fingers between the door rollers and the vertical travel rails is equally avoided by using trapping protection discs.

The NASSAU 9000G is supplied in anodised aluminium as standard. Alternatively, the surface can be powder-coated or liquid-painted in an optional colour to suit your own requirements.

### FILLINGS

The NASSAU 9000G is supplied with a wide range of different win-

dows. Windows are supplied as standard in 2.5 mm double standard acrylic (SAN). Alternatively, they can be supplied in combination with tempered glass or polycarbonate. For more sensitive environments and display windows we offer an acrylic filling with a scratch resistant surface that protects the windows against annoying scratches. We also offer perforated fillings for parking garages, etc.

### SEALS

NASSAU 9000G is equipped with strong sealing strips which protect against wind and rainwater from the outside. The top seal is fitted on the top section. The other sections are equipped with a sealing strip. The bottom section is also equipped with a rubber profile with internal and external lipseals. The vertical tracks are also equipped with a side sealing strip that secures strong tightness.

### CLASSIFICATIONS

The NASSAU 9000G door has been approved in accordance with the international product standard

for sectional doors – EN 13241-1, including the underlying standards for wind resistance, water penetration and airflow. For a 9000G measuring 4000 x 4000 mm with double acrylic in-fill panels, the following classifications can be given:

### INSULATION PROPERTIES

EN 12428: 3.57 W/m<sup>2</sup>K  
(U value/heat loss value).

### WIND RESISTANCE

EN 12424: Class 2

### WATERPROOFNESS

EN 12425: Class 3

### AIR TIGHTNESS

EN 12426: Class 3





## Structure of the door

As a result of the door leaf's structure and sealing system, 9000G has particularly good sound absorption properties. The recommended noise reduction values can be provided for each door on request.

### BALANCING THE DOOR

The door is balanced by torsion springs which are calculated and manufactured individually for every single door. A correctly balanced door ensures secure and stable operation.

### SAFETY

A manually operated NASSAU 9000G door is supplied with broken spring protection and can also be supplied with broken wire protection. The NASSAU 9000G thus fulfils the EN standard in force and the requirements set in connection with CE marking.

### TRACK SYSTEM

NASSAU 9000G is supplied with a variety of different track systems - all depending on space and installation requirements.

The preferred option is often for the door to be as close to the ceiling as possible in order to make proper use of the free space above the door opening. Regardless of the rail system there will always be the option of adjusting the door's vertical rails and thus ensuring that the door leaf runs properly when opening and closing the door. Chapter 8 includes a detailed description of the many different rail systems offered.

### STANDARD EQUIPMENT / ACCESSORIES

NASSAU 9000G door is offered with a wide range of accessories to meet individual requirements and needs. These include the following. The vertical tracks are adjustable. Bottom hinges, side and top hinges with rollers are supplied in galvanised steel as standard. The side hinges and top hinges are adjustable meaning that perfect clamping force and a fully sealed door leaf are achieved.

The door can be supplied with a wide range of locks such as bolt locks, cylinder locks and electric locks which ensure that the door is locked automatically.

NASSAU 9000G can be supplied with NASSAU electric controls and a wide range of operating equipment.

### INSTALLATION AND MAINTENANCE

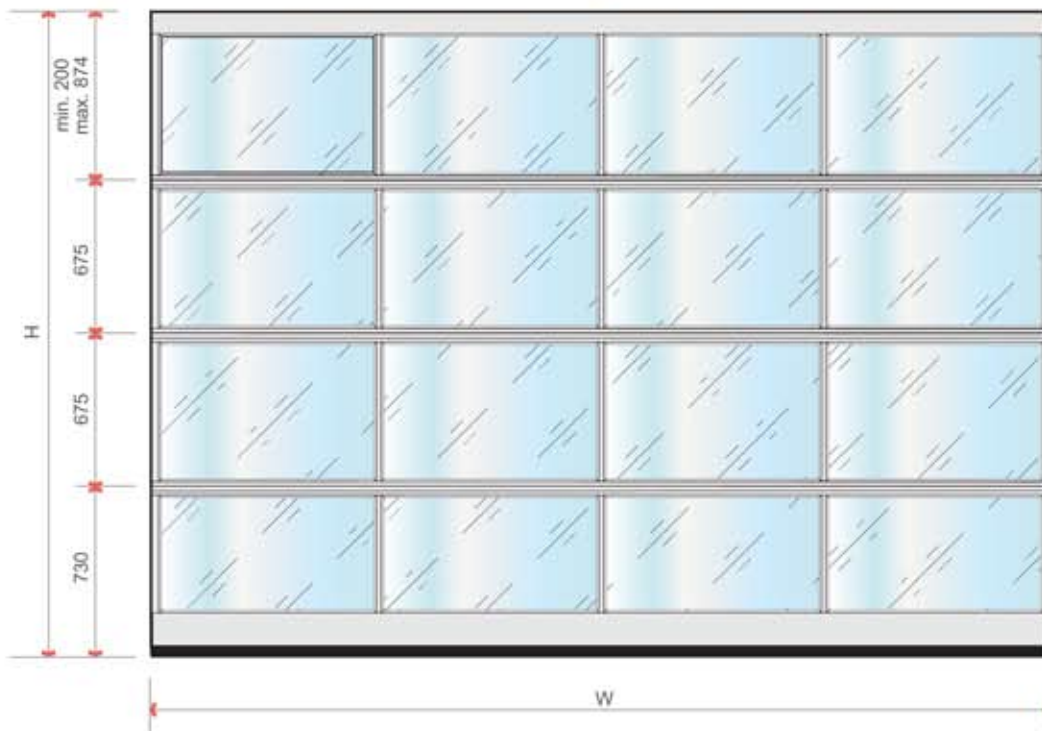
In order to ensure the safe and reliable operation of the door, it is essential that the door is installed in accordance with NASSAU Door's installation instructions. It is recommended that a sectional door undergo a service inspection once a year. In addition, it is recommended that the door components are inspected regularly, thus extending the lifetime of the door.



# 90G aluminium profile section

**Door model: 9000G**

**Complete with 90G aluminium profile sections**



The NASSAU 9000G is made up of extruded anodised aluminium profiles. The standard section height is 675 mm, although this can be adjusted according to your needs.

The minimum section height for a middle section is 400 mm, and the maximum section height for a middle section is 675 mm. The top section's height varies between 200 mm and 874 mm.

INTERIOR DIMENSIONS	9000G [mm]
Width (W):	min. 1600 - max. 7000*
Height (H):	min. 1500 - max. 5,000*

\* The width depends on the type of in-fill panel. 9000G doors wider than 6000 mm must always have had their wind load class technically clarified in advance.

\*\* Doors must always be technically clarified in advance if: -  $H > 6175$  mm, -  $H \geq 4500$  mm and  $HL \geq 3000$  mm, -  $H \geq 5000$  mm and VL

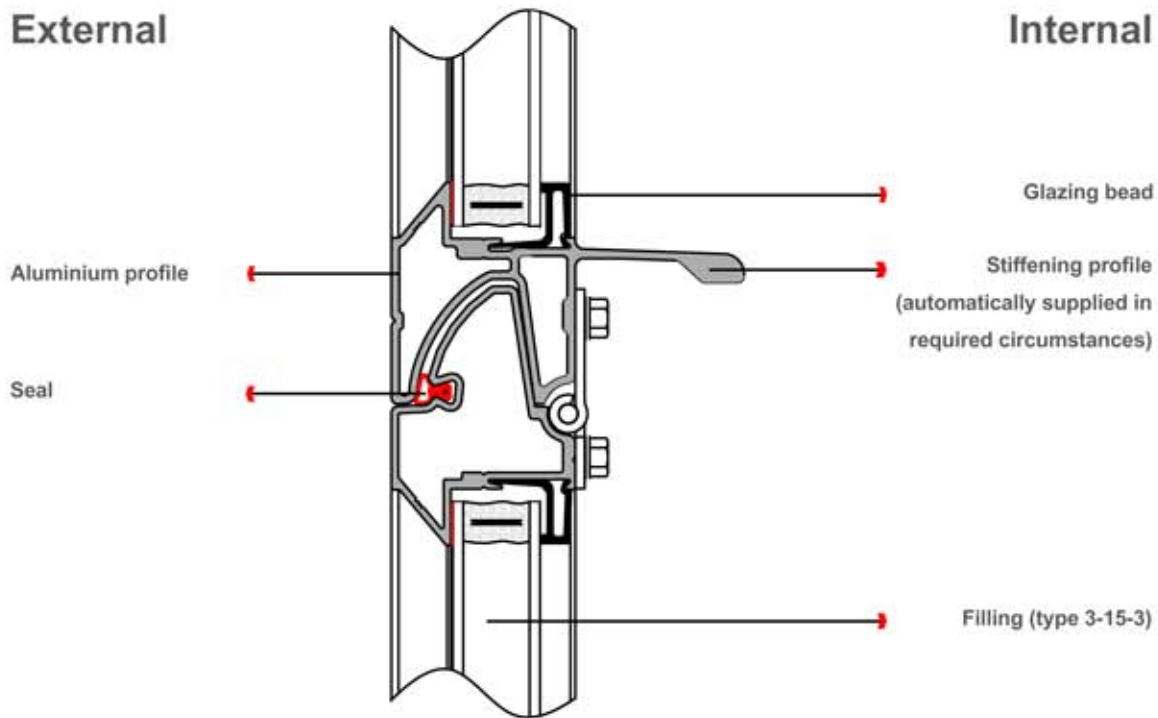
NUMBER OF 90G WINDOWS:		LIMITATIONS IN INTERIOR DIMENSION FOR 9000G MODEL	
NO. OF SECTIONS	INTERIOR DIMENSIONS WIDTH (MM)	HEAVY FILLINGS*	LIGHT-WEIGHT FILLINGS *
2	1600 - 2428		
3	2429 - 3605		
4	3606 - 4782	Max. width (W) 6000	Max. Width (W): 7000
5	4783 - 5959	Max. height (H): 3500	Max. height (H): 5000
6	5960 - 7000		

\* Please refer to page 2.6 for a detailed description of the fillings



# 90G aluminium profile section

## 90G Aluminium profile section: Cross-section



### Fillings for 90G

TYPE	DESCRIPTION
3-15-3	Double 2.5 mm standard acrylic (SAN)
3-15-3C1	Double 2.5 mm standard acrylic (SAN) with scratch-resistant KASI® external finish
3-15-3C2	Double 2.5 mm standard acrylic (SAN) with scratch-resistant KASI® external and internal surface treatment
3-15-3PA	2.5 mm standard acrylic (SAN) on the outside + 3 mm pearl acrylic on the inside
3-15-3HG	4 mm tempered glass on the outside + 2.5 mm standard acrylic (SAN) on the inside
3-15-3POLY	3 mm polycarbonate on the outside + 2.5 mm standard acrylic (SAN) on the inside
4PL	Single 4 mm acrylic (PMMA)
3PL-PA	Single 3 mm pearl acrylic
4HG	Single 4 mm tempered glass
3POLY	Single 3 mm polycarbonate
6LAM	6 mm laminated glass (3 mm + foil + 3 mm)
6WIRE	6 mm wired glass
S	Single 1.5 mm stucco aluminium
SI	Double 1.5 mm stucco aluminium with 18 mm EPS insulation
A	Single 1.5 mm smooth anodised aluminium
AI	Double 1.5 mm smooth anodised aluminium with 18 mm EPS insulation
APS10	3 mm powder coated aluminium with 10 mm square holes



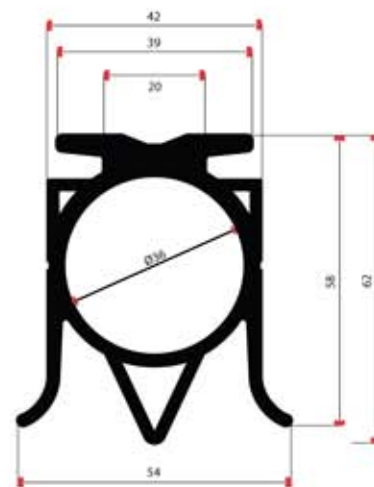
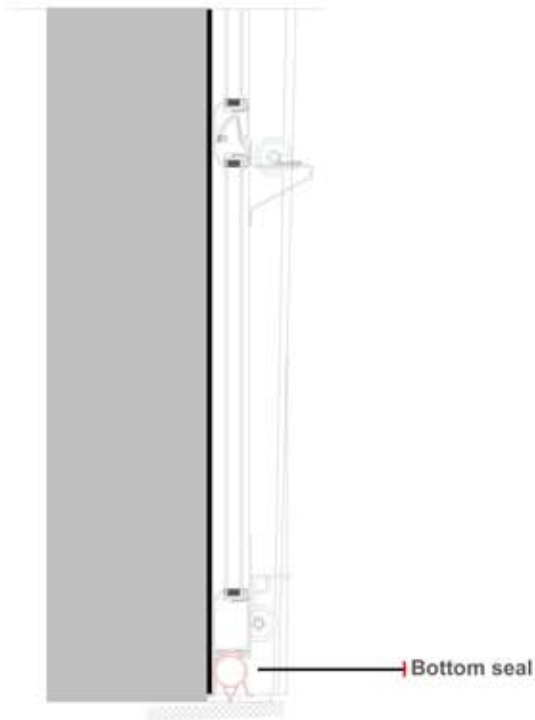


## Seals

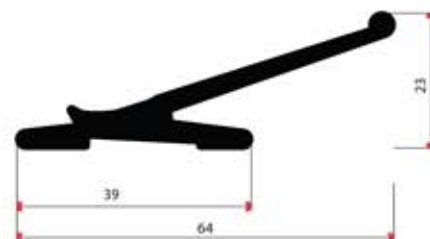
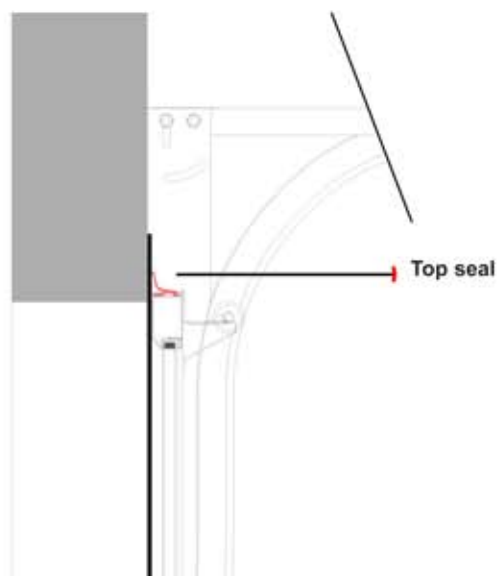
## Seals for 9000G door model

High quality seals are essential if you are to insulate a sectional door as efficiently as possible. NASSAU sealings maintain their form and effective function in temperatures ranging from  $-20^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$ .

## Bottom seal

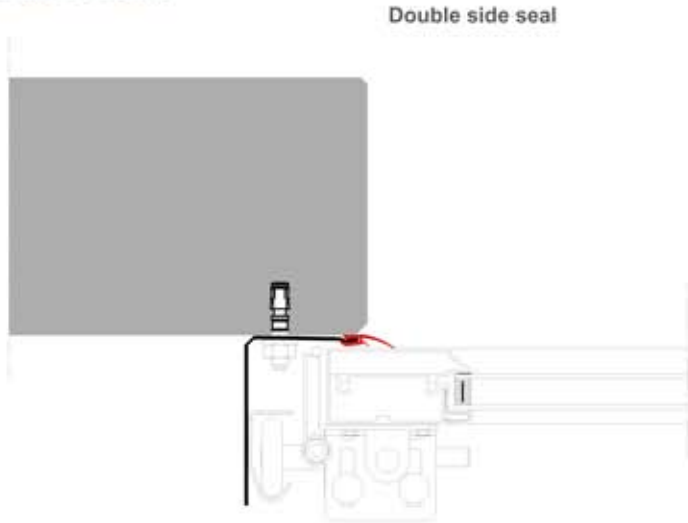


## Top seal

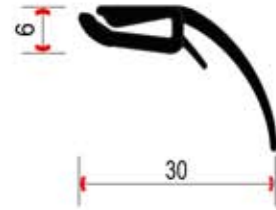


# Seals

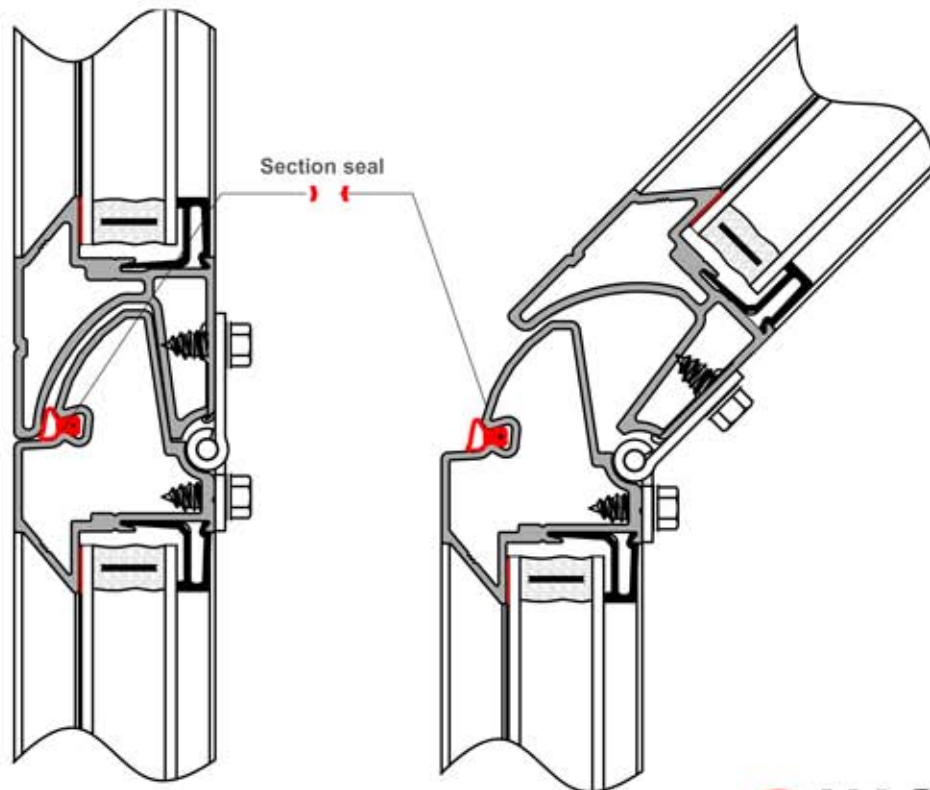
## Side seal



Double side seal

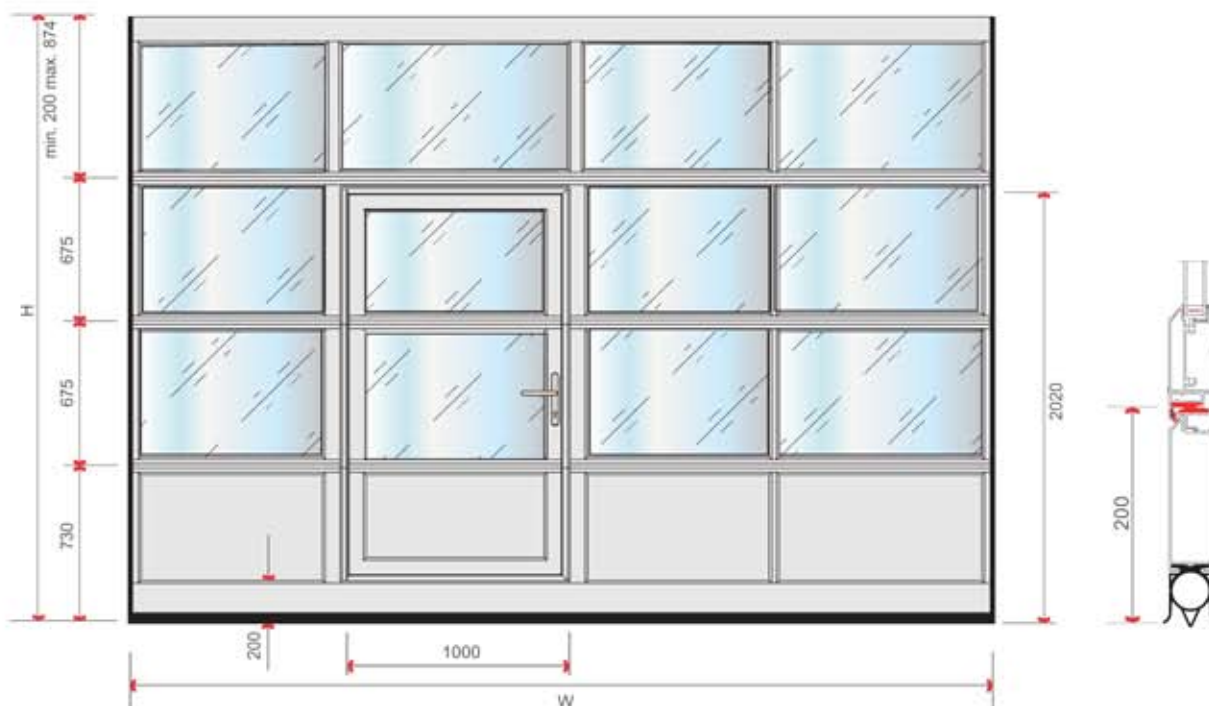


## Section seal



## Pass door

## Pass door in 9000G

**Interior dimensions****9000G [mm]**

Width (W):

Min. 1600 - max. 6000

Height (H):

Min. 2185 - max. 5,000\*

\* The width depends on the in-fill panel. 9000G doors wider than 6000 mm must always have had their wind load class technically clarified in advance.

\*\* Doors must always be technically clarified in advance if: -  $H > 6175$  mm, -  $H \geq 4500$  mm and  $H_L \geq 3000$  mm, -  $H \geq 5000$  mm and VL

The pass door has a door opening width of 1000 mm and a door opening height of 2020 mm (measured from floor level).

The pass door will always open outwards.

The section heights stated are standard. Special pass door section heights can also be offered.

**Positioning of the pass door depends on the door width**

Interior dimension width:  
1600 - 3605 mm

- 3 sections



— LL  
— RR

Interior dimension width:  
3606 - 5959 mm

- 4 sections: 3606 - 4782



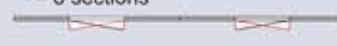
- 5 sections: 4783 - 5959



— LL      — RR  
— LR      — RL

Interior dimension width:  
5960 - 6000 mm

- 6 sections



— LL      — RR  
— LR      — RL



# Pass door with low step

## Pass door PDLS in 9000G

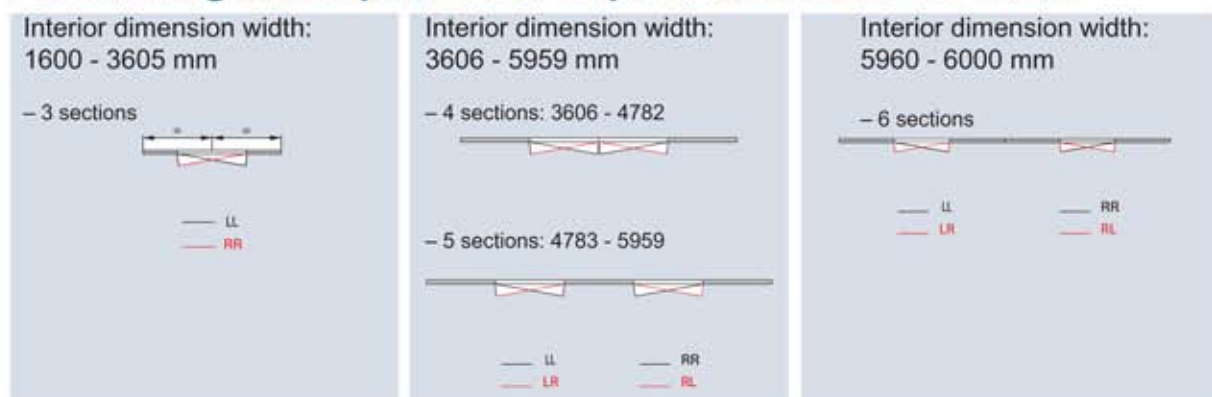


Interior dimensions	9000G [mm]
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The pass door has a door opening width of 1000 mm and a door opening height of 2020 mm (measured from floor level). The pass door will always open outwards. The section heights stated are standard. Special pass door section heights can also be offered.

## Positioning of the pass door depends on the door width



## Detailed drawings

## 9000G door model: Cross-section

