

## Sapa Door 2074



Our insulated door system has a profile depth of 74 mm and uses 30 mm wide glass fibre reinforced polyamide strips. The frame profile has a fixed or a replaceable rebate profile. The outside glazing bead is integrated in the profile.

Door leaf profiles are available for all types of locks. The doors can be easily combined with our facade systems 4150, 5050 SG and partition system 3074.

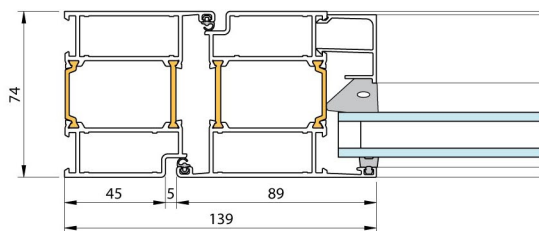
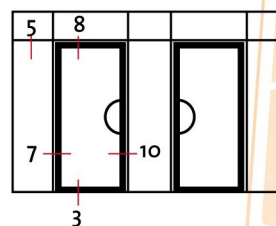
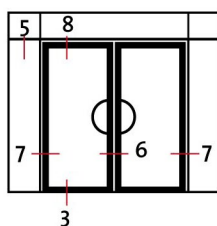
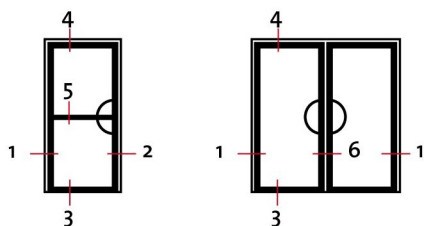
### Combination possibilities



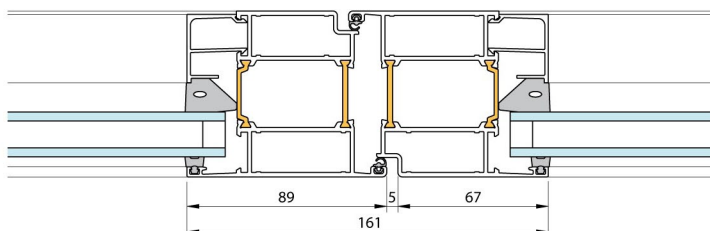
- **Versions.** Single-leaf, double-leaf, meeting and folding doors with or without side and top light.
- **Fix fittings.** Profiles for Fix fittings are available.
- **Break-out protection.** For outward opening single-leaf door.
- **Personal safety.** Available with anti-finger trap edge.
- **Anti-burglar protection.** Available in anti-burglar protection class RC2 alt. RC3 according to EN 1627.
- **Fire protection.** Available in fire resistance class E 30, EI 30 or EI 60.
- **Bullet-proof.** Available in bullet-proof class C1-C3, according to SS 22 44 29.



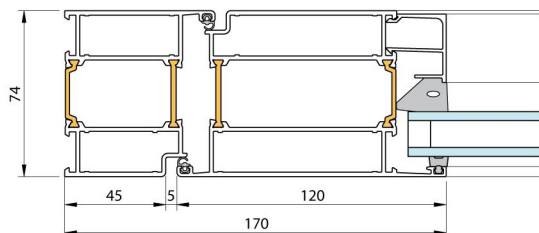
## Principle details 2074 system



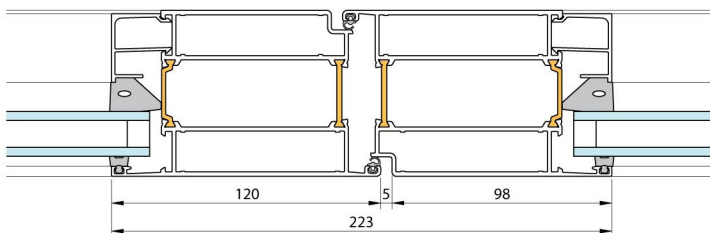
1, 2 - Door with narrow profile



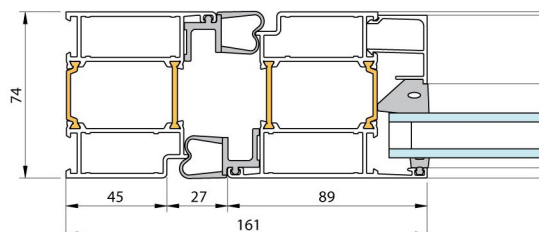
6 - Double-leaf door, narrow profile



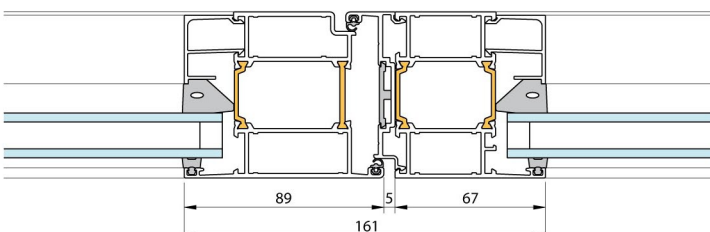
1, 2 - Door with modular profile



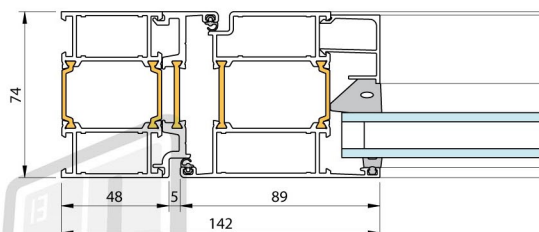
6 - Double-leaf door, modular profile



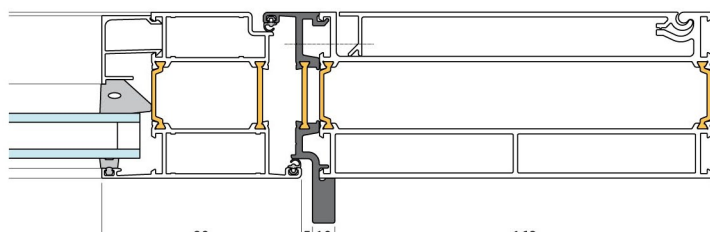
1 - Door with anti-finger trap, rubber strips



7 - Door with narrow profile and side light

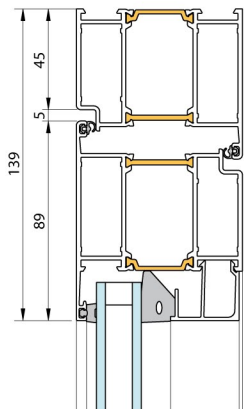


1 - Door with narrow profile and top light

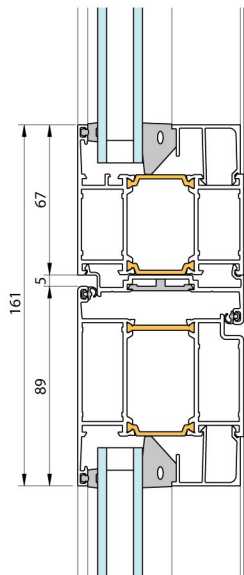


10 - Door with narrow profile, break-in protection and E-frame for integrated electronic circuits

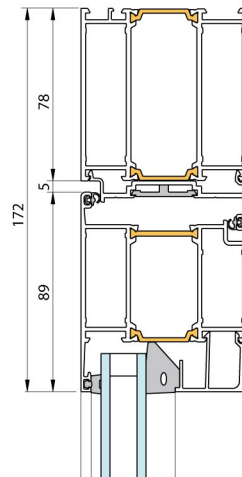




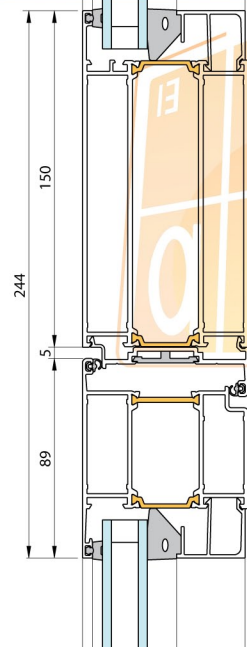
4 - Top edge of door with frame



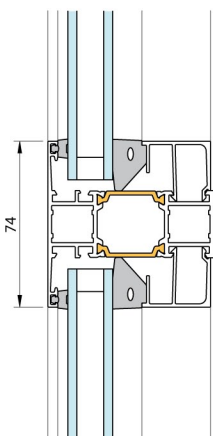
8 - Top edge of door with top light



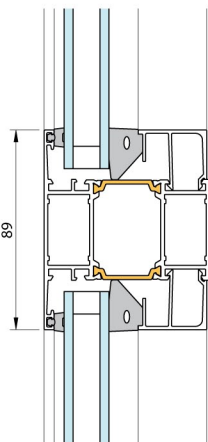
4 - Top edge of door with profile for automatic closing/opening device



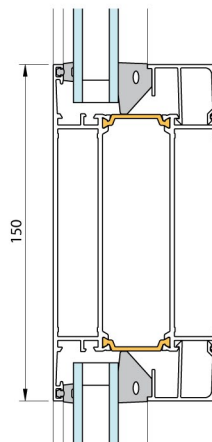
8 - Top edge of door with profile for automatic closing/opening device



5 - Cross-bar



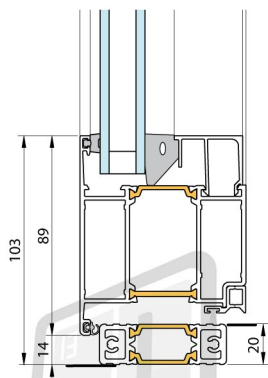
5 - Cross-bar



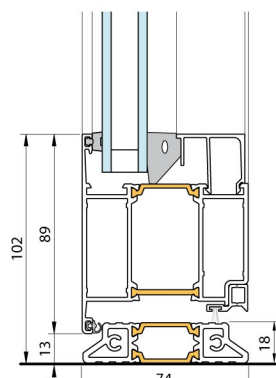
5 - Cross-bar

- Clear dimension
- Fixing alternatives
- Glass thickness
- Infill panels

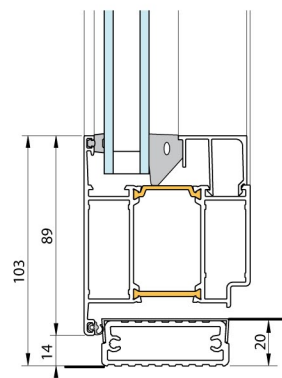
See next page.



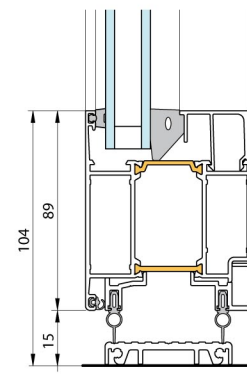
3 - Door with rebate seal against threshold



3 - Door with rebate seal against bevelled threshold



3 - Door with rebate seal against stainless steel uninsulated threshold



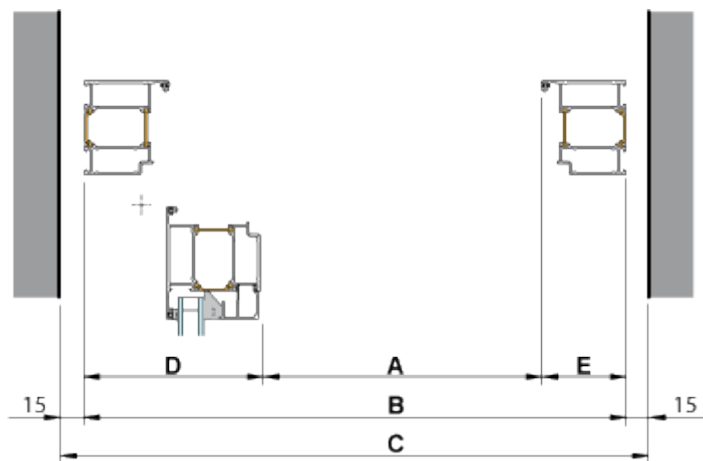
3 - Door with strip seal



## ○ Clear dimension

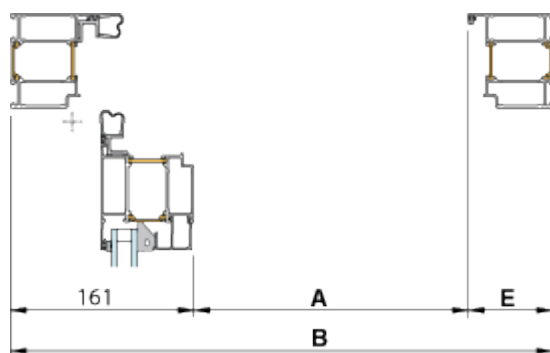
Doors and entries should be designed with enough space (clear dimension) for person traffic and to facilitate passage in a wheel chair. Applicable standards and requirements should be taken into account.

### Rebate door



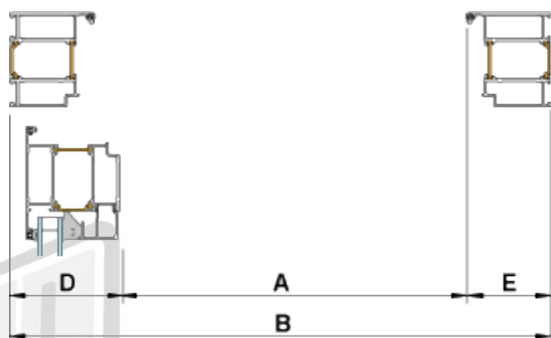
A = Clear dimension  
B = Frame outside dimension  
C = Wall opening  
D with universal hinge = 139 mm  
D with lap but hinge = 133 mm  
E = 67 mm or 70 mm with replaceable rebate profiles

### Anti-finger trap edge with a rubber strip



A = Clear dimension  
B = Frame outside dimension  
E = 67 mm or 70 mm with replaceable rebate profiles

### Rebate door with hidden hinges



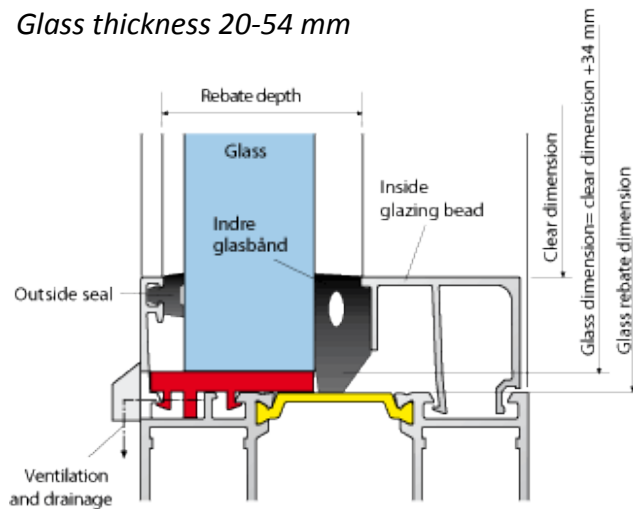
A = Clear dimension  
B = Frame outside dimension  
D = 86,5 mm or 89,5 mm with replaceable rebate profile  
E = 67 mm or 70 mm with replaceable rebate profile

## ○ **Glazing**

Unprotected glazed surfaces that can be reached by persons shall be designed so as to limit the risk of injury. Such glazed surfaces shall be dimensioned so as to withstand the dynamic influence of a person. Applicable standards and requirements should be taken into account.

### **Functional dimensions**

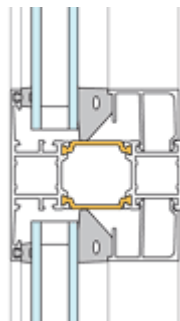
*Glass thickness 20-54 mm*



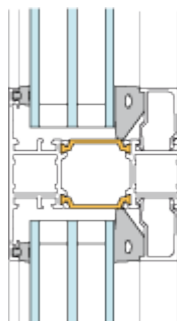
*The illustration shows the different functional dimensions commonly used by the window industry and established by the MTK. The gaskets are made of EPDM rubber and are available in several*

### **Glazing**

*Glass thickness 20-54 mm*



Double glazing unit

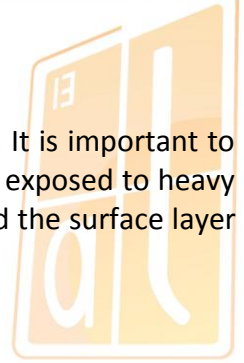


Triple glazing unit



## ○ Infill panels

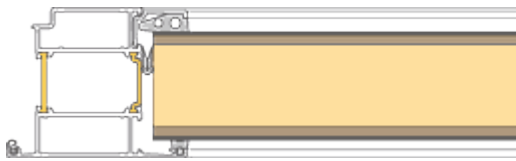
Certain parts of the elements can or must be filled with infill panels. It is important to consider the backing and the surface layer of the panels. If the infill panels are exposed to heavy impacts or mechanical loads, the backing should be made of durable board and the surface layer should be made of stainless or glass enamelled steel sheet.



### **Infill panel F2**

**U value in the middle: 0.74 W/m<sup>2</sup>K**

1,5 mm Aluminium sheet  
4,8 mm Board  
40 mm Insulation  
4,8 mm Board  
1,5 mm Aluminium sheet



### **Infill panel F3**

**U value in the middle: 0.74 W/m<sup>2</sup>K**

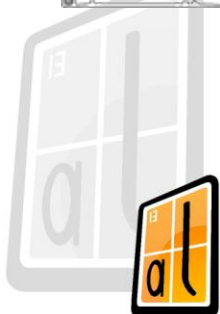
1.5 mm Aluminium sheet  
10 mm Chipboard  
40 mm Insulation  
1.5 mm Aluminium sheet



### **Infill panel F4**

**U value in the middle: 0.74 W/m<sup>2</sup>K**

1.5 mm Aluminium sheet  
40 mm Insulation  
10 mm Sapa boarding



## ○ **Fittings**

Our door system can be easily equipped with the most common fittings available on the market. For optimum functionality it is important that the fittings work together.

Our standard fittings are shown below.



### **Hinges, examples**



**Universal hinge**



**Lap butt hinge**



**Hidden hinge**

### **Pull handles**



**D pull handle** with hidden mounting harmonises with the door leaf.  
*Height 300 mm, Ø 30 mm.*  
*Art. no.: Sapa 14 128*



**Triangular pull handle** with hidden mounting harmonises with the door leaf.  
*Height 300 mm, Ø 30 mm.*  
*Art. no.: Sapa 14 129*



**Semi-circular pull handle** with hidden mounting harmonises with the door leaf.  
*Height 300 mm, Ø 30 mm.*  
*Art. no.: Sapa 14 130*

### **Handles**



**Handle** for modular profile door.  
*Width 137 mm,*  
*Ø 21 mm.*  
*Art. no.: Sapa 14 132*



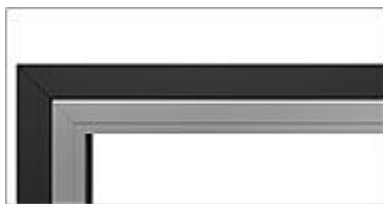
## Door closing devices



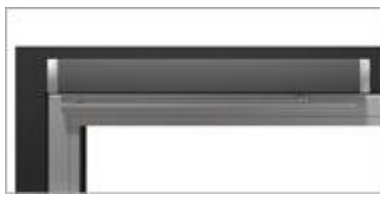
**Door closure with arm.**  
According to supplier.



**Sliding rail door closure.**  
According to supplier.



**Built-in door closure.**  
According to supplier.

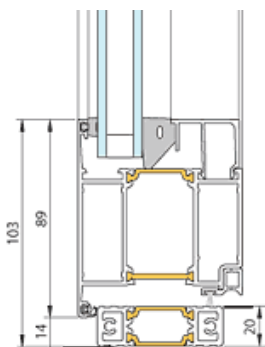


**Automatic door closure.**  
According to supplier.

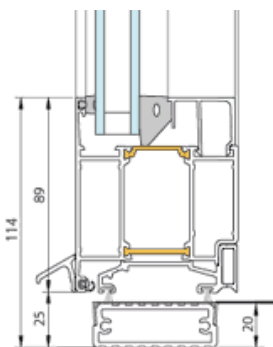


### ○ Threshold alternatives

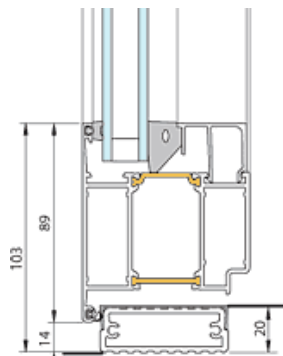
Door openings should be designed without level differences from inside to outside. Sometimes a threshold is not required because of, for example, moisture or non prevailing weather conditions. When a threshold is installed, it should be as low as possible to facilitate passage. Applicable standards and requirements should be taken into account.



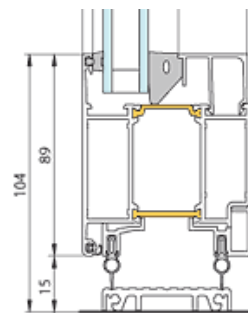
Door with rebate profile



Door with uninsulated threshold and stainless steel protection



Door with rebate profile, uninsulated threshold and stainless steel protection.



Door with strip seal

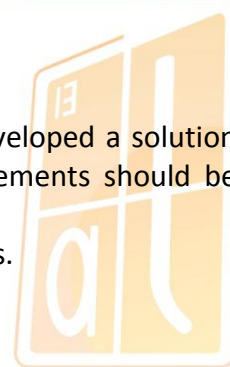




### ○ Anti-finger trap protection

In order to reduce the risk of injury due to squeezing, we have developed a solution based on a so-called anti-finger trap edge. Applicable standards and requirements should be taken into account.

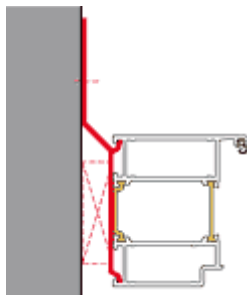
Door system 2074 with anti-finger trap edge with EPDM rubber strips.



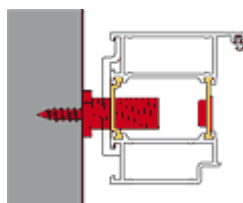
### ○ Fixing principles

Door elements must be fixed to a stable and suitable wall structure. The choice of fixing method depends on the wall type. The number and location of fixing points depends on the size of the element.

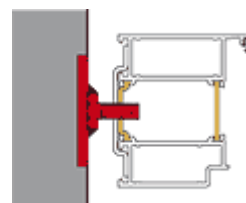
Examples:



Fixing of frame with  
twist anchor



Fixing of frame with  
adjustable frame bushing

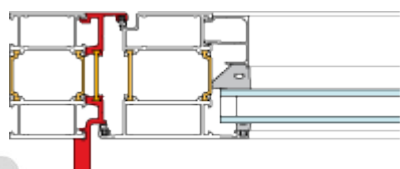


Fixing of frame with  
bolt and welded plate

### ○ Break-out protection

#### **Outward opening single-leaf door**

In order to reduce the risk of burglary through doors, we have developed a rebate profile with integrated break-out protection. The break-out protection profile is easy to replace if damage occurs. Clear anodising is recommended for optimum appearance. Only available for outward opening singleleaf doors.



For more information please contact  
„Al Construction“ Manager-Constructor Support!

