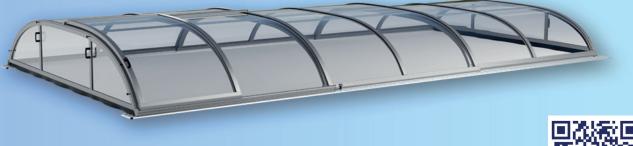




### **ASSEMBLY MANUAL**

### **BOX 2** 3 segments / 3,5 x 7,6 x 0,8 m





Video manual

Scan the QR code before you begin. This will provide access to the video manual, ensuring a smooth and accurate mounting process for the Symphonie Compact Box.



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## 1 General information

Before delving into the detailed installation process, let's provide some general information about Diamant-Unipool pool enclosures.

Diamant-Unipool enclosures come pre-assembled, eliminating the need for drilling. All structural and small parts required for installation are included in the box. You only need to ensure you have the correct installation tools.

For a smooth installation process, ensure proper access to the pool. At least two people are required to handle the enclosure safely. Regularly check the structure's functions during installation to promptly correct any mistakes.

Prior to assembly, verify that the pavement offers a suitable foundation for the tracks. It must be even, with no waviness or height differences exceeding 0.5cm within 1m. The surface should be horizontal, with a maximum allowance of 2cm within 1m. The pavement should be a minimum of 10cm deep, drillable, and anchorable. Check the quality and structure of the pavement for unevenness (see Fig.2.).

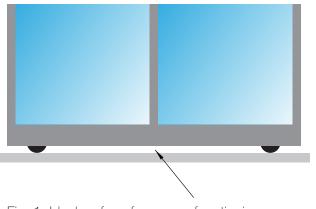
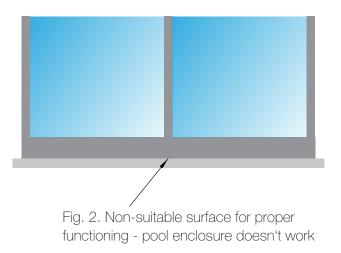


Fig. 1. Ideal surface for proper functioning



#### Suitable surfaces (reinforced materials):

Glued paving (tiles), concrete strips matching the track width, and well-installed wooden floors without plastic admixture.

#### Unsuitable surfaces (unreinforced materials):

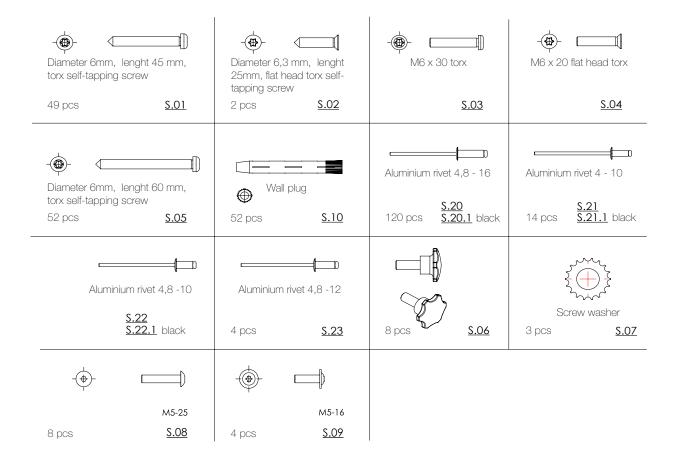
Sand or gravel beds, block paving, wood-plastic boards, and chipped pavers.

#### **Track Installation:**

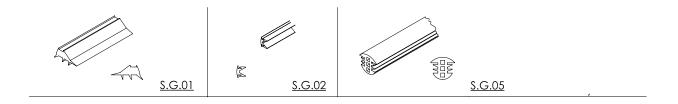
Due to the thermal expansion of track materials, gaps may form in track joints. These gaps vary based on installation period and weather conditions. In spring and autumn, gaps are rare, with a tolerance of 0.01 - 0.4 cm. In summer, the tolerance is 0.01 - 0.6 cm. This natural occurrence cannot be prevented.

If the preparation for installation wasn't correct, tracks can become wavy, copying the surface, rendering the pool enclosure non-functional. If discovered, contact the responsible party for the surface to arrange disassembly, surface repair, and reassembly. Continued use in this condition can lead to extreme damage.

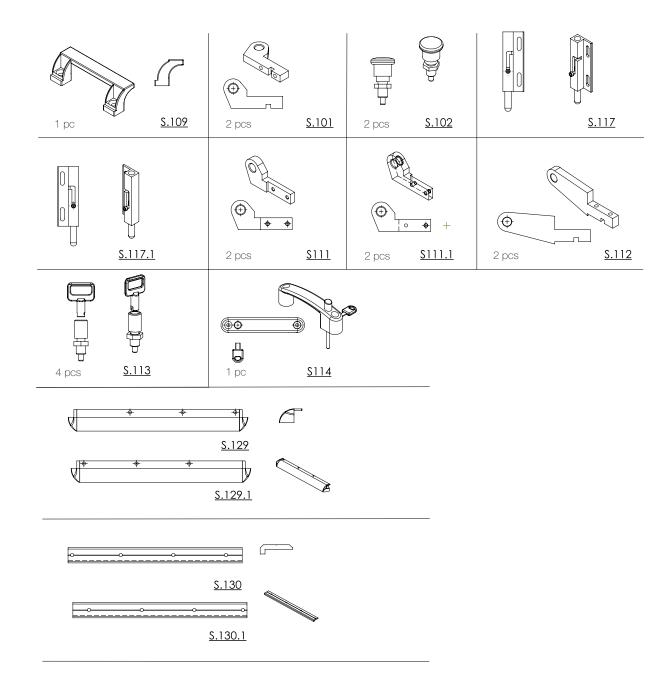
### 2.1 Fasteners



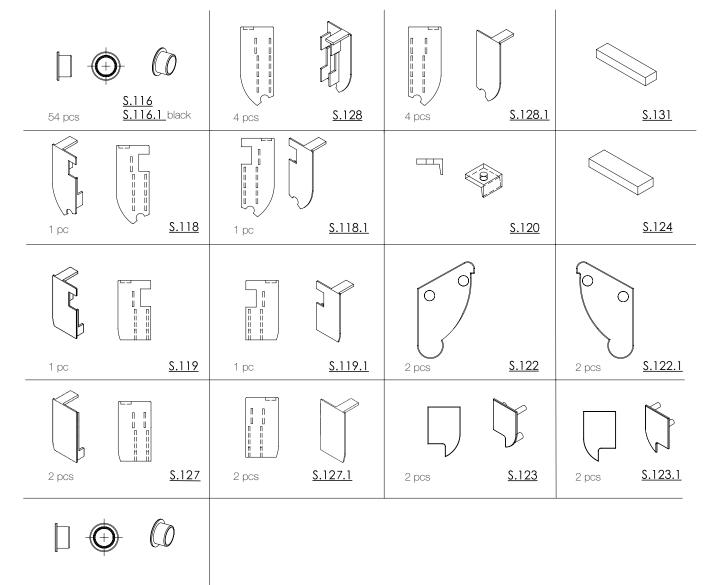
### 2.2 Seal



### 2.3 Parts



### 2.4 Plastic caps

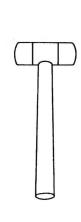


12 pcs

<u>S.140</u> black

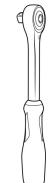
### 2.6 Required tools list



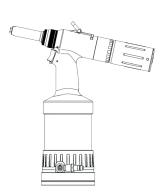




Rubber/plastic hammer

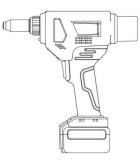


Ratchet



Pneumatic rivet gun





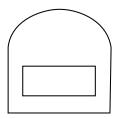
Hand saw

Battery-powered rivet gun



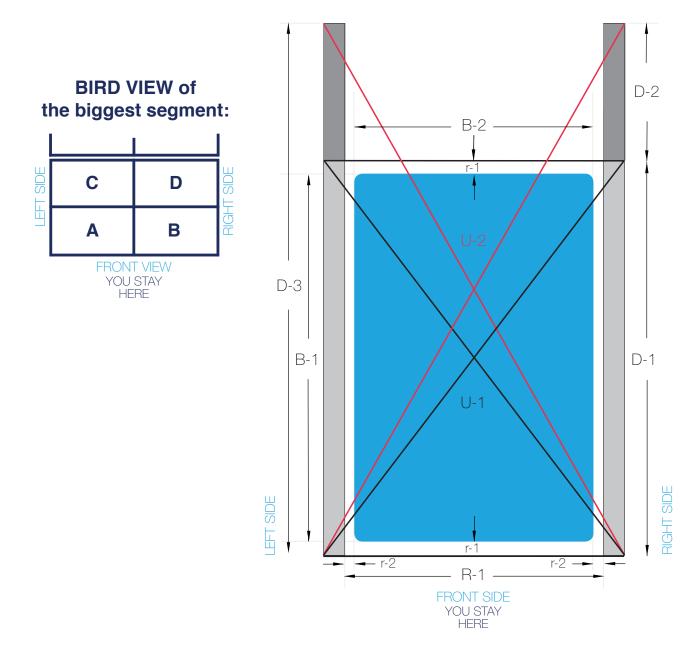
Battery-powered drill

### 2.6 Enclosed tools list



## 3 Track

#### 3.1 Tracks measurements for correct installation



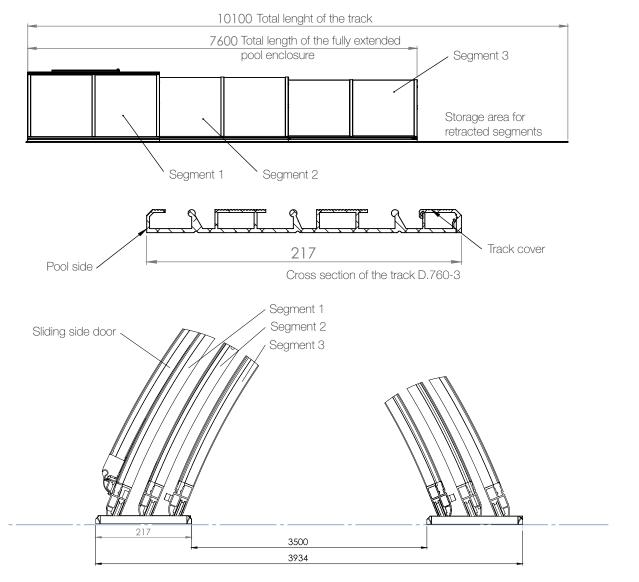
- B-1: Total length of the pool
- B-2: Total width of the pool
- D-1: Length of the track under the pool enclosure
- D-2: Length of track extension
- D-3: Total length of the track
- R-1: Inner width of the pool enclosure
- r-1: Reserve of the pool enclosure
- r-2: Reserve width of the pool enclosure
- U-1: Basic diagonal measurement
- U-2: Control diagonal measurement



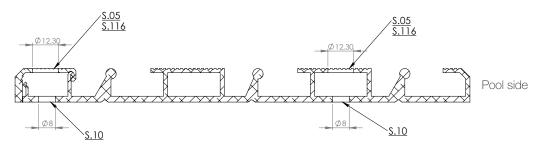
### 3.2 Tracks measures

#### BOX 2 - rail D.760-3

Inner width 3 500 mm Length 7 600 + 2 500 mm 3 segments



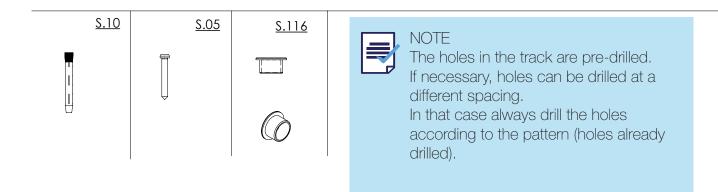
#### 3.3 Cross section of the track with its rails



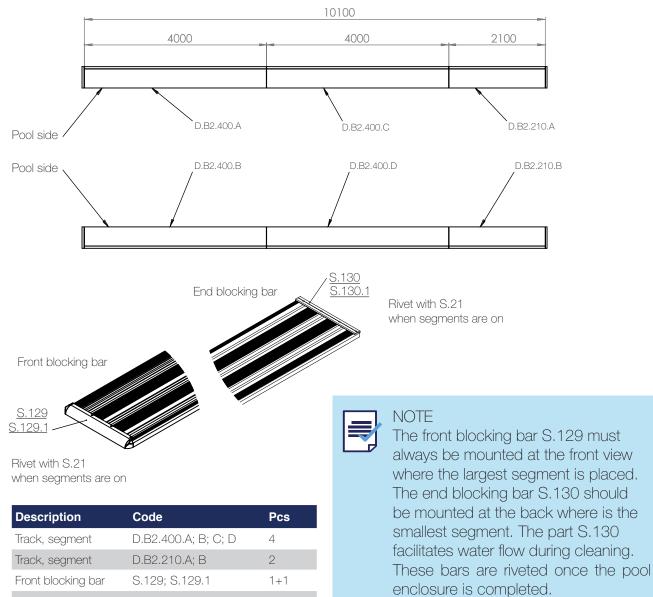


End blocking bar

S.130; S.130.1

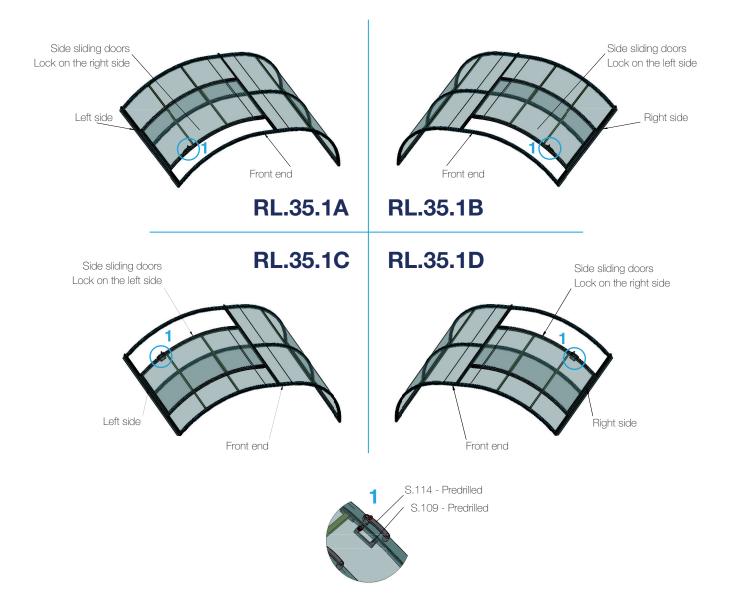


### 3.4 Layout of the track parts



1+1

## 4 Segment 1 - Entrance variants





NOTE

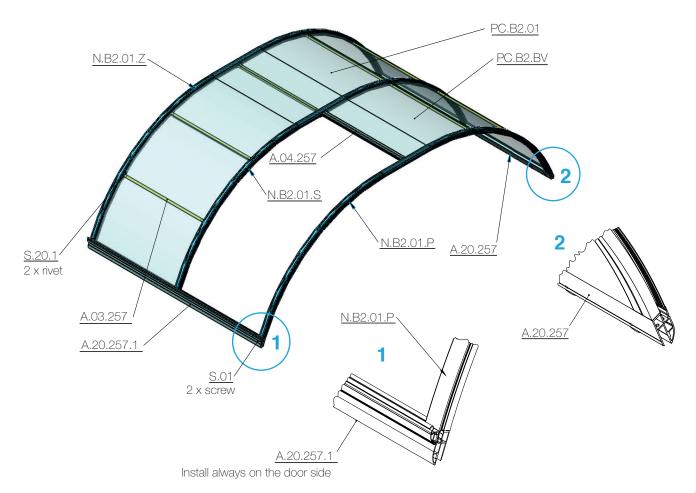
It is essential to determine the position of the side sliding door during this assembling step. Select one of the four positions and proceed to the corresponding page marked with letters A, B, C, or D.

### 5.1 Parts of the segment 1

Parts of the segment	Description	Pcs
N.B2.01.P	Front arch n.1	1
N.B2.01.S	Middle arch n.2	1
N.B2.01.Z	11.PFront arch n.1111.SMiddle arch n.2111.ZBack arch n.3157Guide157.1Guide with the drive157Longitudinal reinforcement with the drive157Longitudinal reinforcement with the drive157Longitudinal reinforcement7BVPolycarbonate, half arch, entrance side101Polycarbonate, whole arch1Rubber sealRubber seal1	1
A.20.257	Guide	1
A.20.257.1	Guide with the drive	1
A.04.257	Longitudinal reinforcement with the drive	1
A.03.257	Front arch n.11Middle arch n.21Back arch n.31Guide1Guide with the drive1Longitudinal reinforcement with the drive1Longitudinal reinforcement7Polycarbonate, half arch, entrance side1Polycarbonate, whole arch1Rubber seal1	7
PC.B2.BV	Polycarbonate, half arch, entrance side	1
PC.B2.01	Polycarbonate, whole arch	1
S.G.01	Rubber seal	
S.G.02	Rubber seal	
S.G.05	Rubber seal	

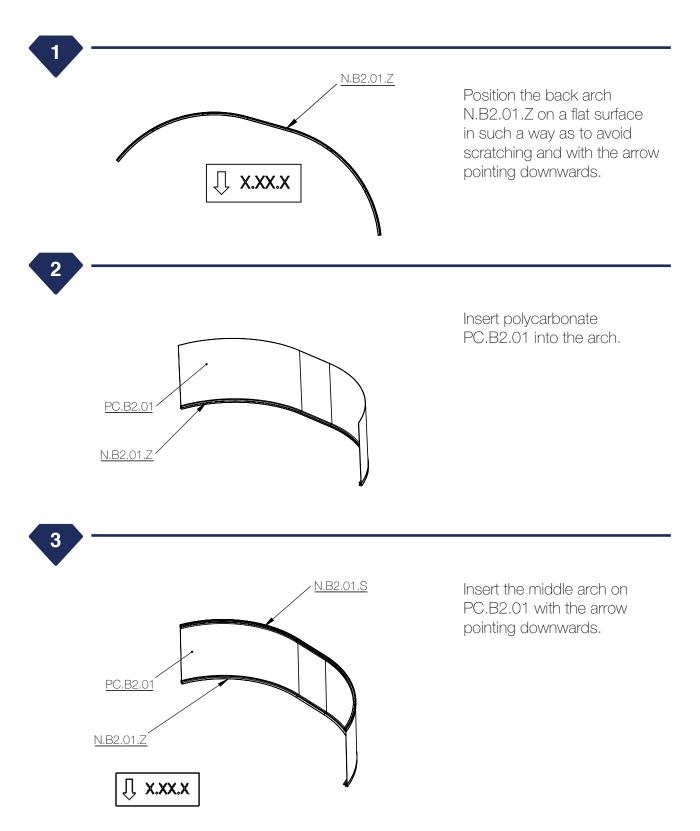


Fasteners	Description	Placing	Pcs
S.01	Screw	Arch/guide	12
S.20.1	Rivet	Arch/reinforcement	32

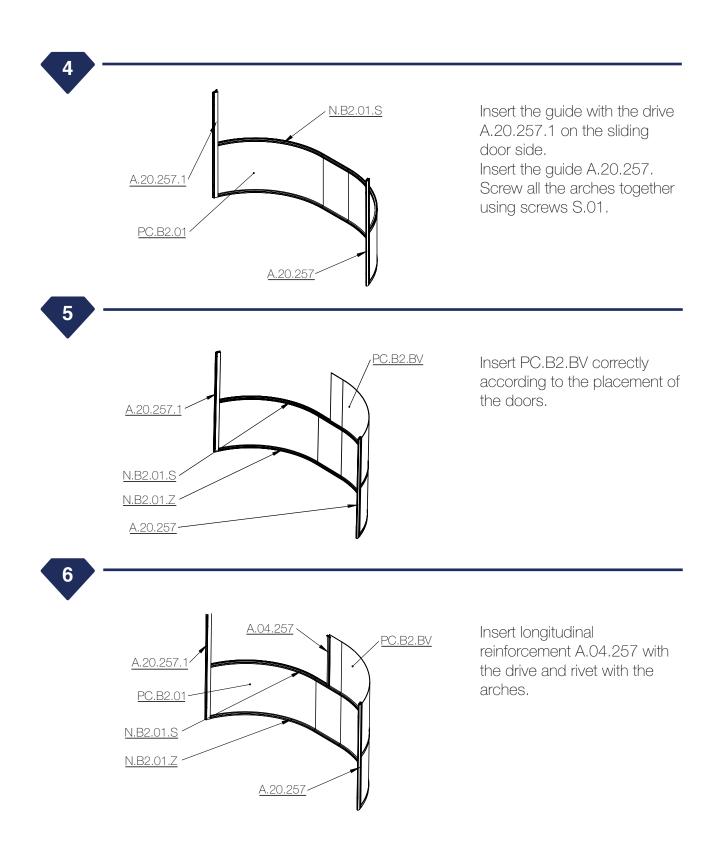




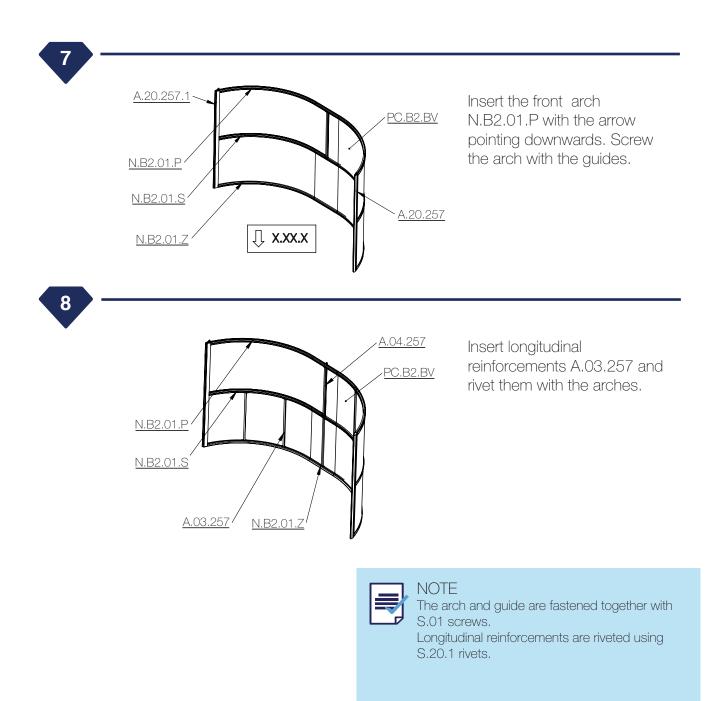
#### 5.2 Segment 1 - Entrance RL.35.1A - Mounting workflow



### RL.35.1A

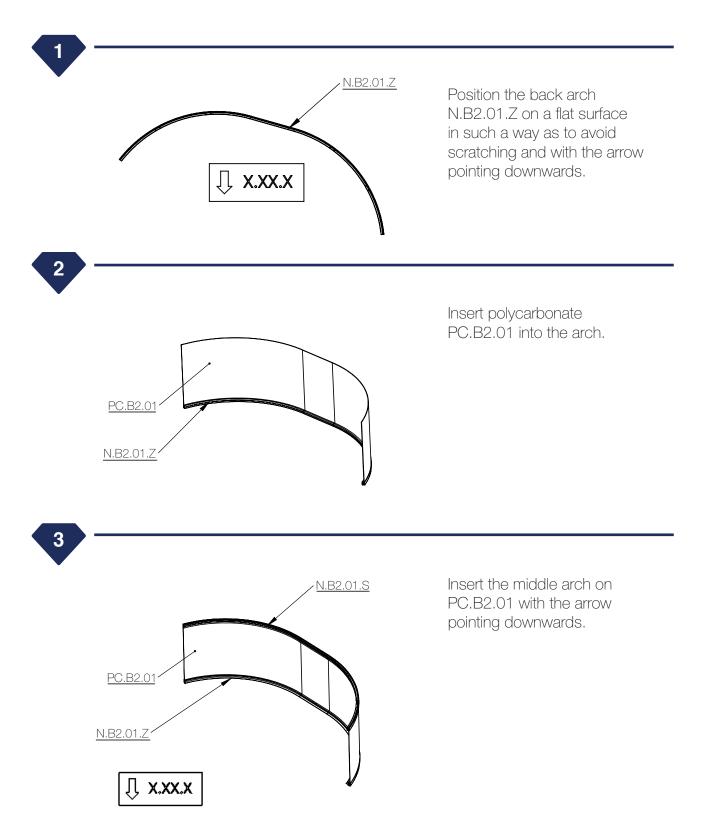




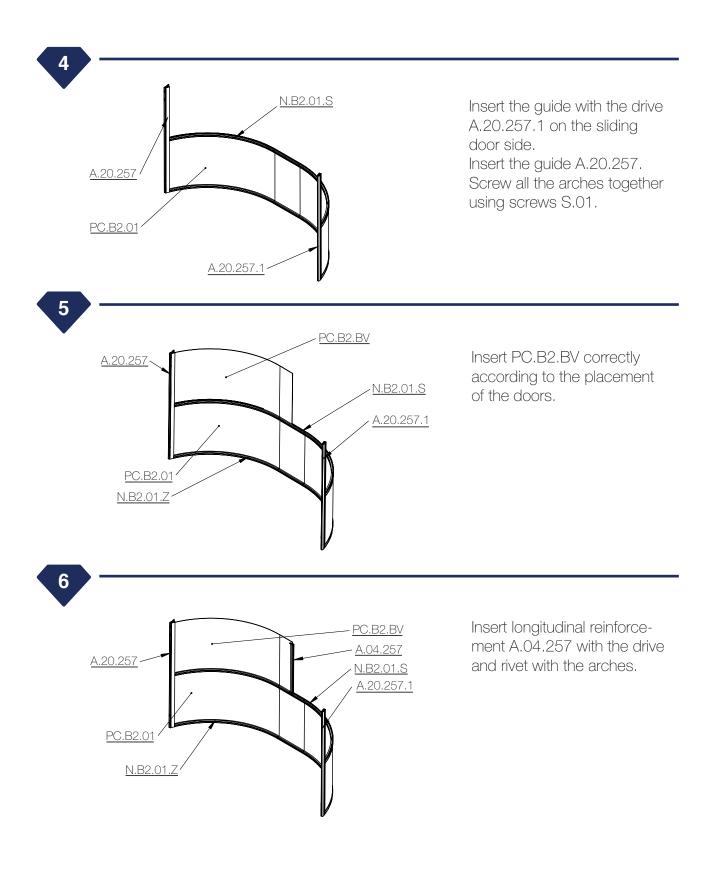


### RL.35.1B

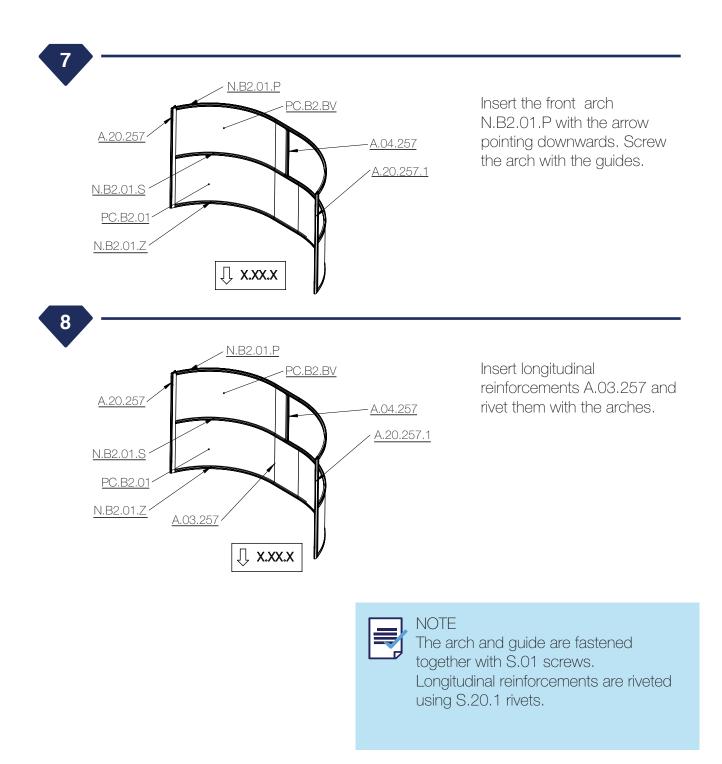
### 5.3 Segment 1 - Entrance RL.35.1B - Mounting workflow



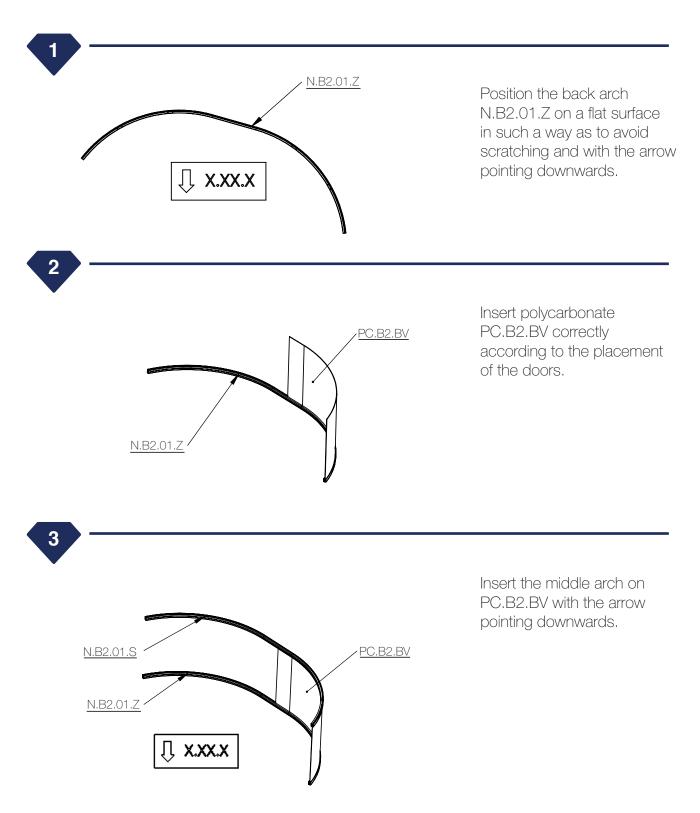
### RL.35.1B



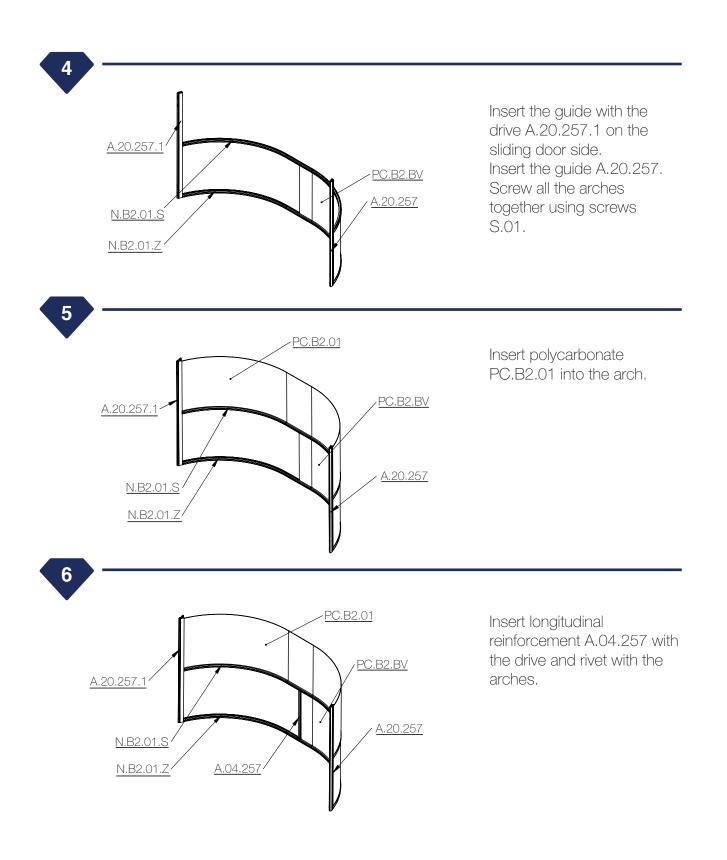
### RL.35.1B



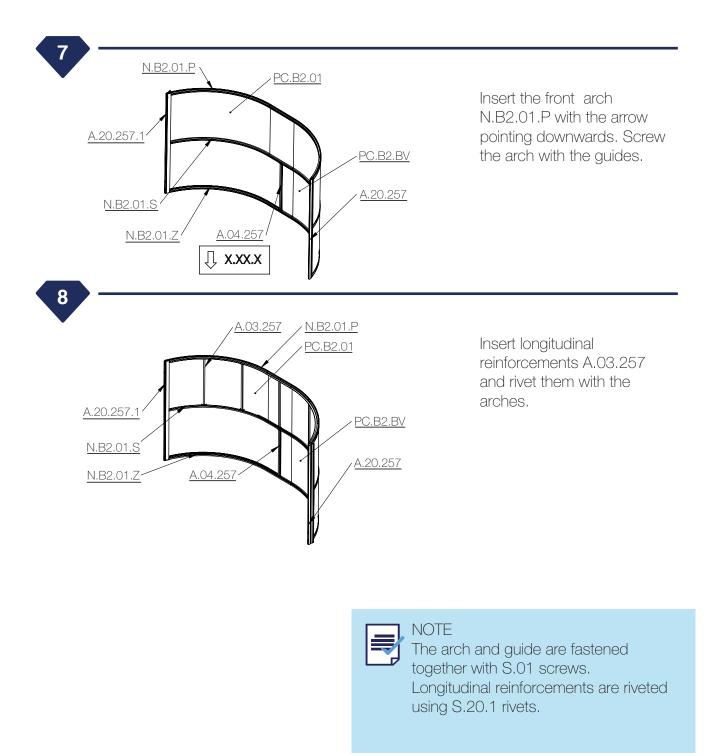
### 5.4 Segment 1 - Entrance RL.35.1C - Mounting workflow



### RL.35.1C

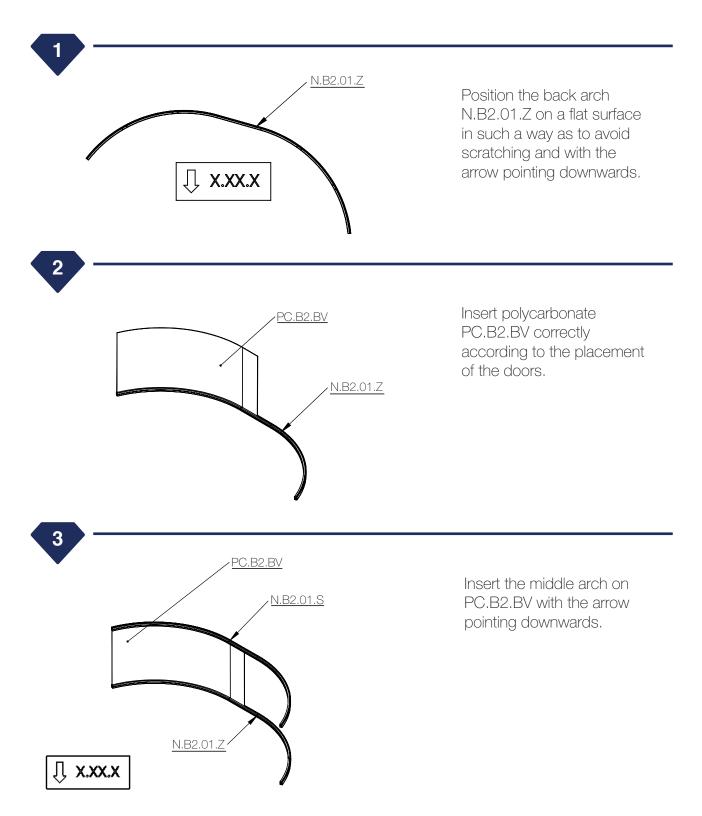


### RL.35.1C

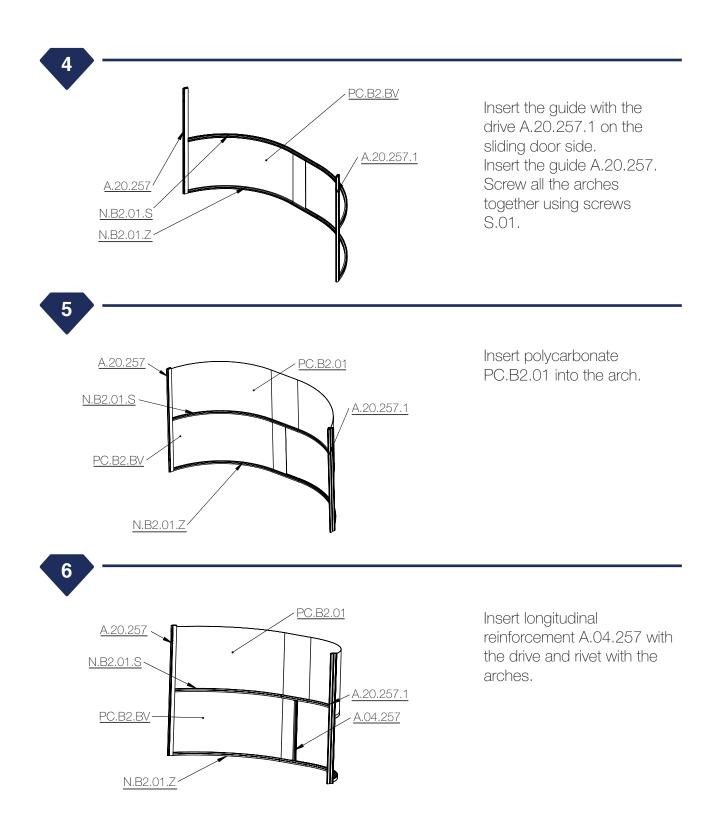


### RL.35.1D

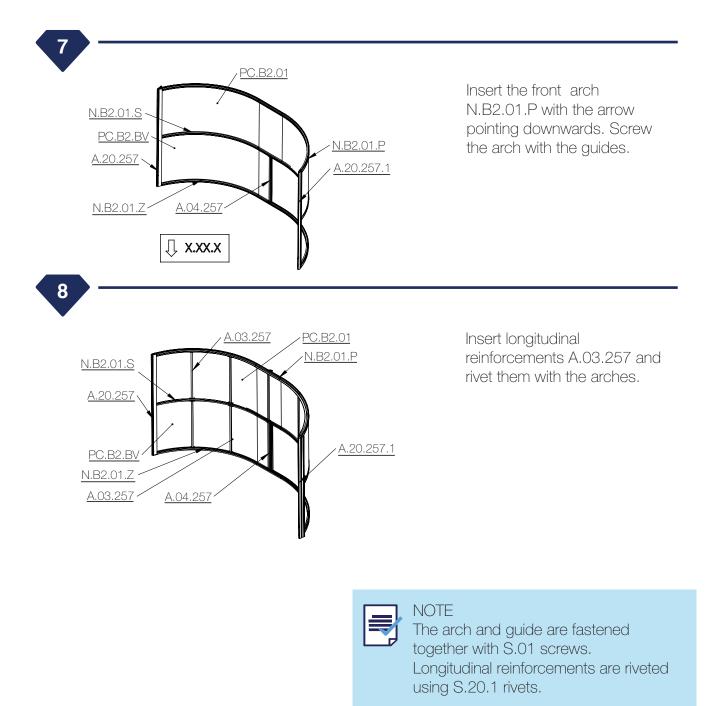
### 5.5 Segment 1 - Entrance RL.35.1D - Mounting workflow



### **RL.35.1D**

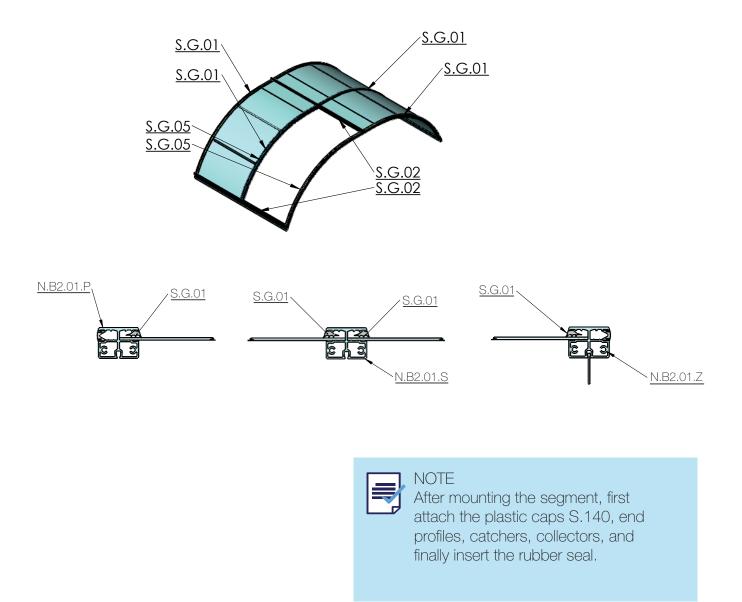


### RL.35.1D



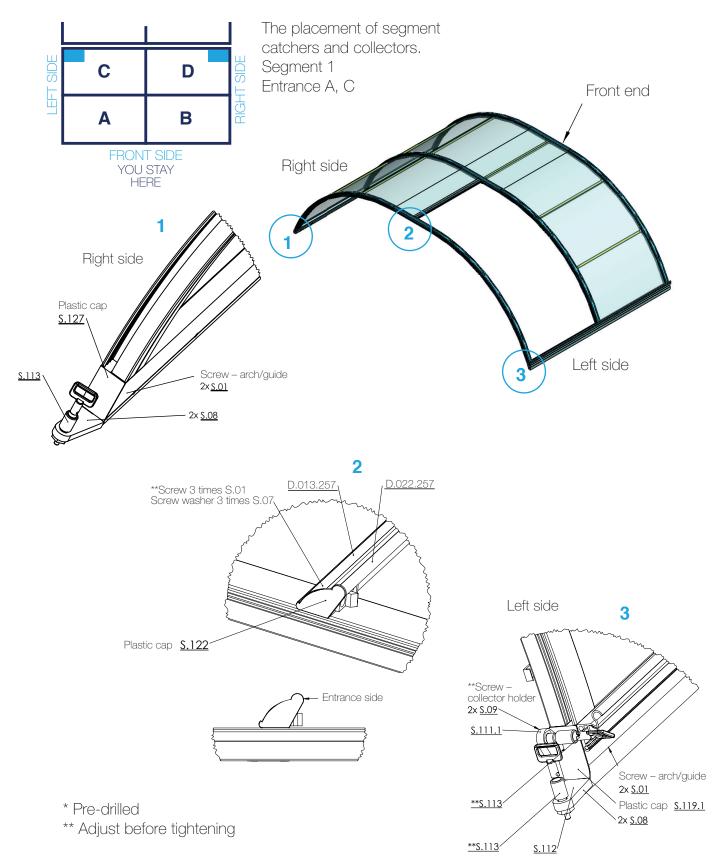
#### 5.6 Segment 1 - Rubber seal

Insert the rubber seal around the perimeter of the polycarbonate.



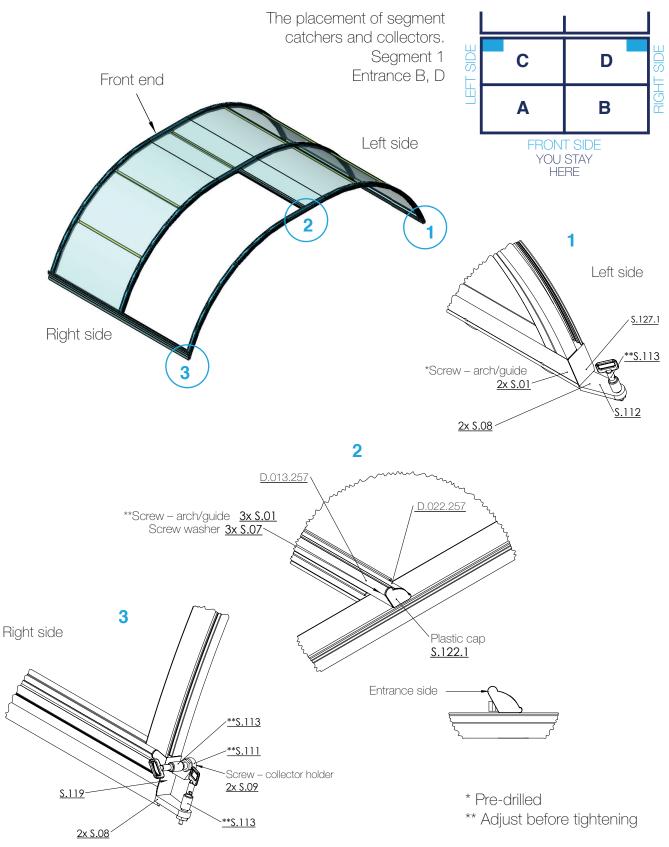
### Entrance A, C

### 5.7 Segment 1 - Entrance A,C - Catchers and collectors placement





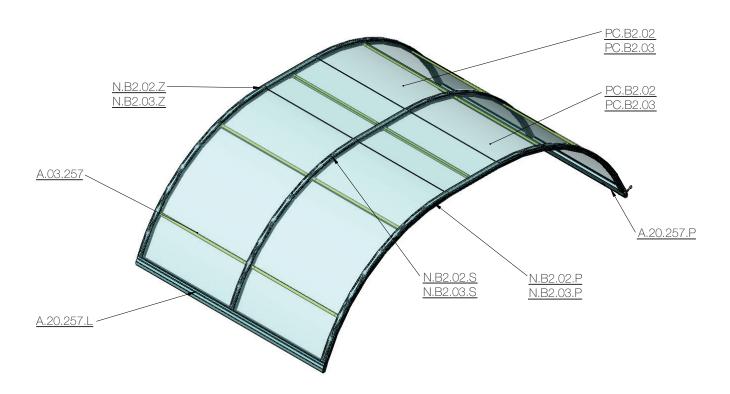
### 5.8 Segment 1 - Entrance B, D - Catchers and collectors placement



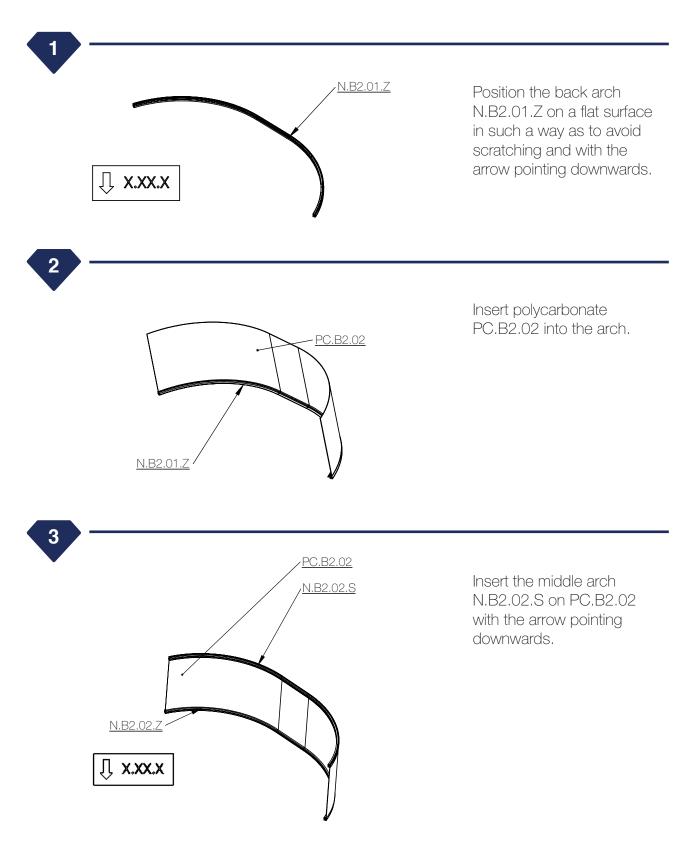
### 6.1. Parts of the segments 2, 3

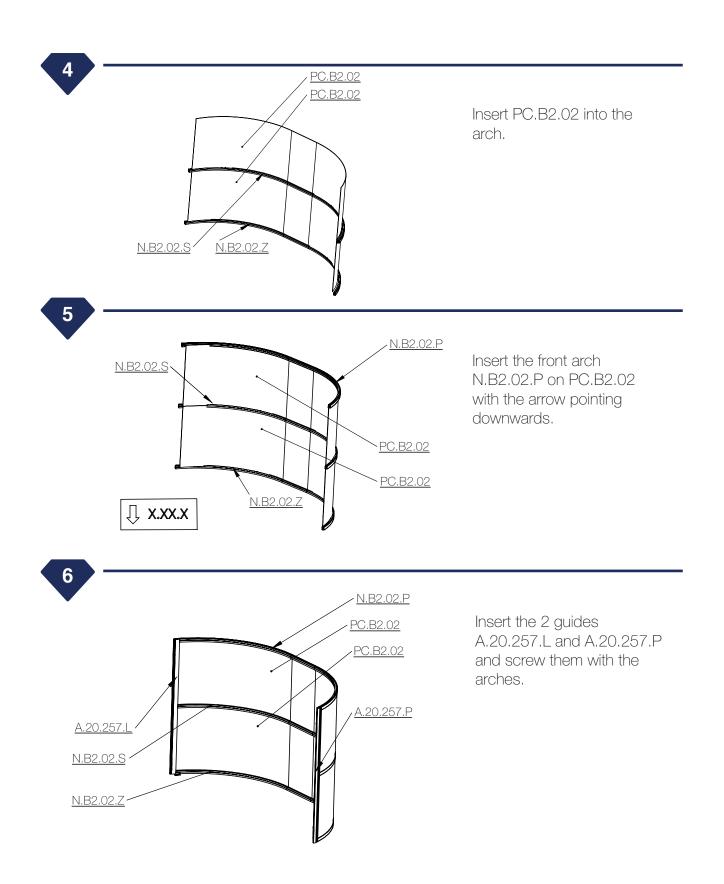
Segment 2	Description	Pcs	Segment 3	Description	Pcs
N.B2.02.P	Front arch n.1	1	N.B2.03.P	Front arch n.1	1
N.B2.02.S	Middle arch n.2	1	N.B2.03.S	Middle arch n.2	1
N.B2.02.Z	Back arch n.3	1	N.B2.03.Z	Back arch n.3	1
A.20.257.L	Guide left	1	A.20.257.L	Guide left	1
A.20.257.P	Guide right	1	A.20.257.P	Guide right	1
PC.B2.02	Polycarbonate, whole arch	2	Pc.B2.03	Polycarbonate, whole arch	2
A.03.257	Longitudinal reinforcement	10	A.03.257	Longitudinal reinforcement	10
S.G.01	Rubber seal		S.G.01	Rubber seal	

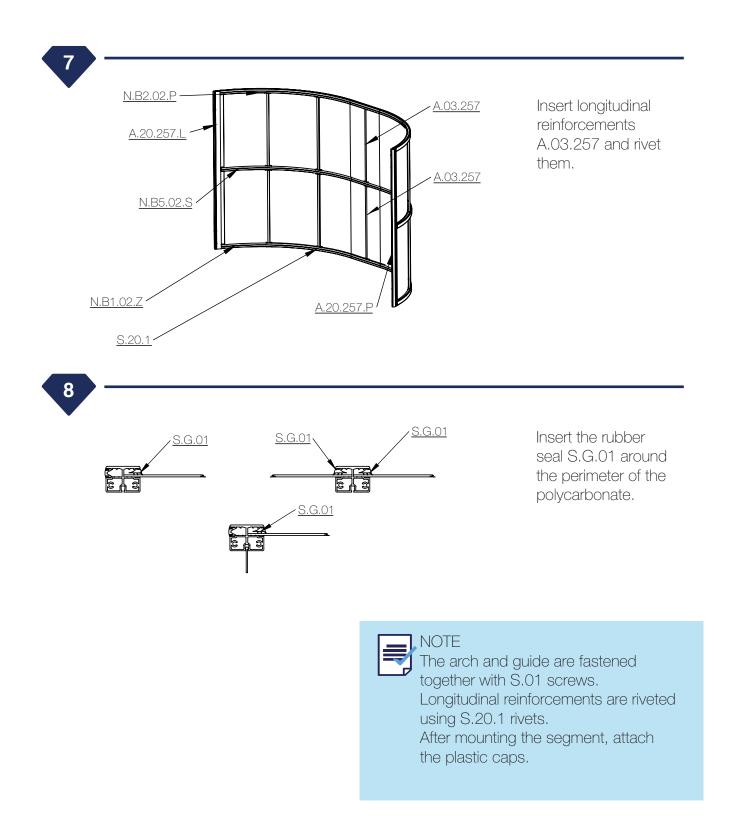
Fasteners	Description	Placing	Pcs
S.01	Screw	Arch/guide	24
S.20.1	Rivet	Arch /reinforcement	80



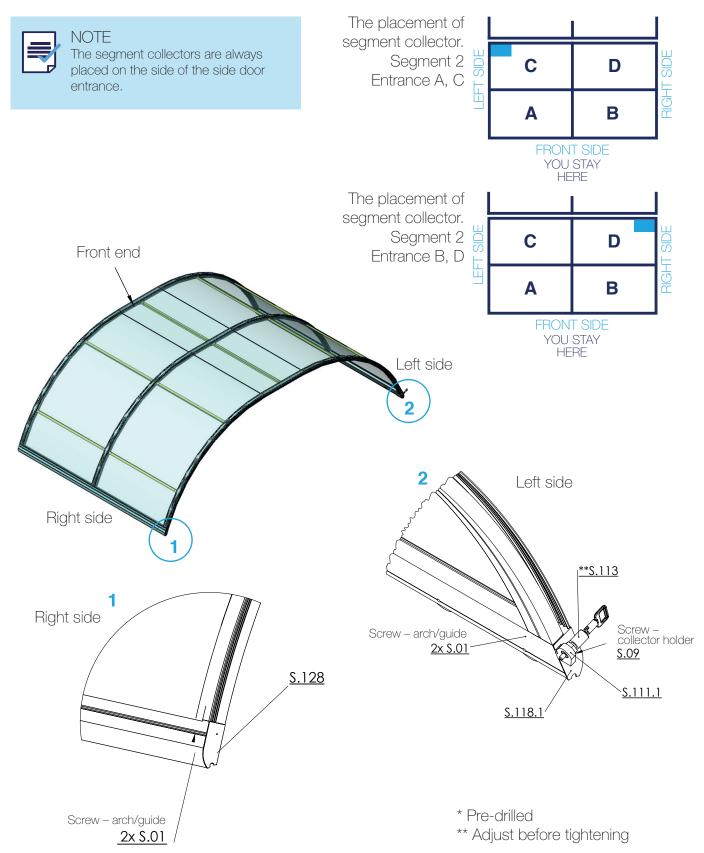
### 6.2 Segments 2, 3 - Mounting workflow



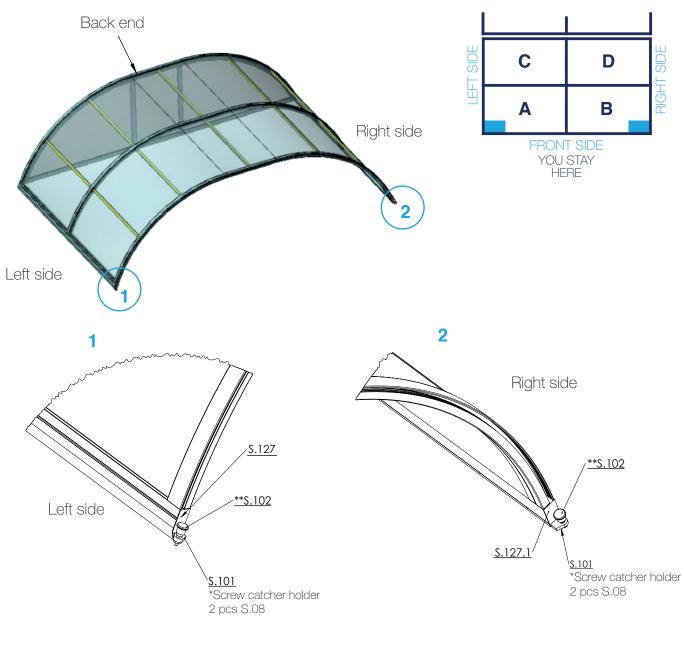




### 6.3 Middle segment 2 - Collectors



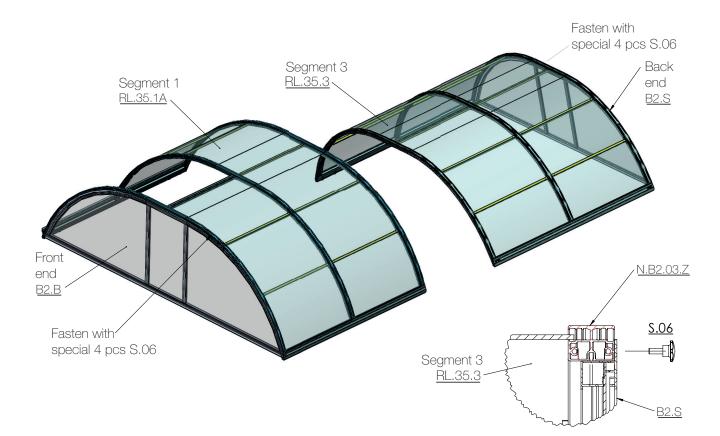
### 6.4 Last segment 3 - Catchers



\* Pre-drilled \*\* Adjust before tightening

## 7 Front and back ends

Front and back ends are always mounted after the corresponding segment has been installed on the track.





#### NOTE Ends Assembly

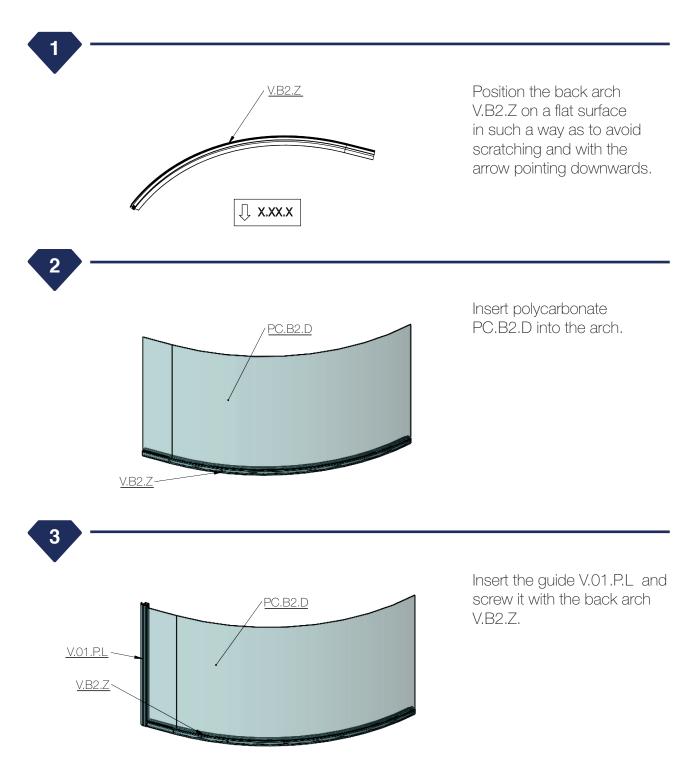
Position the end B2.B and after the end B2.S against the threaded holes on the surface of the arch.

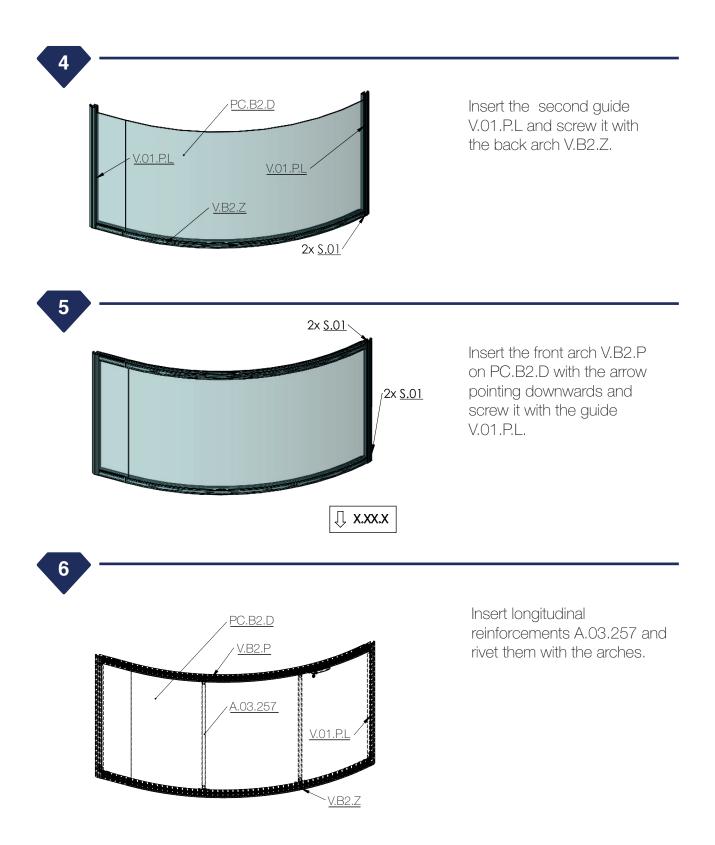
Mount the front and back ends of the segment by screwing them using the special large Diamant screws S.06.

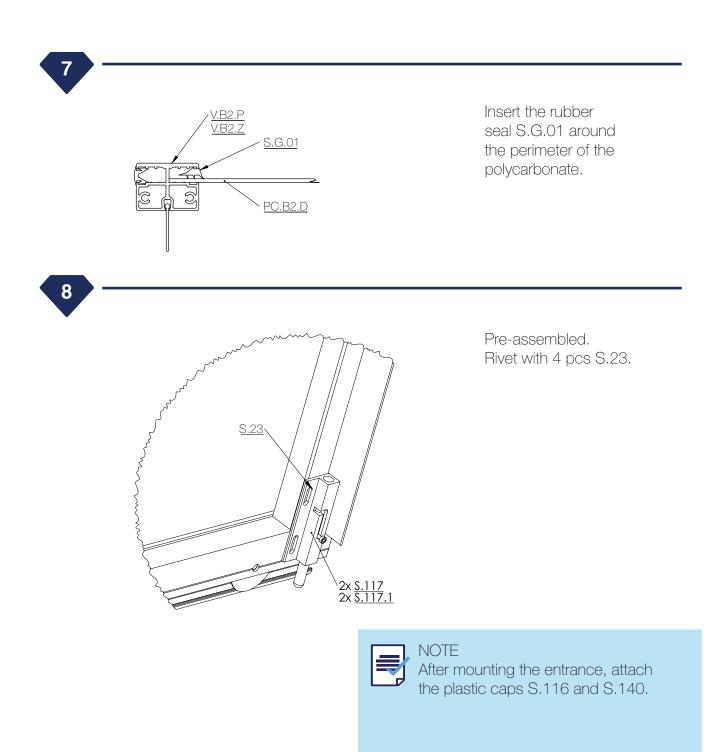
### 8.1 Entrance - Side sliding door - Parts of the side sliding door

Code	Description	Pcs	Fasteners	Description	Placing	Pcs
V.B2.P	Arch	1	S.01	Screw	Arch / guide / door handle	10
V.B2.Z	Arch	1	S.20.1	Rivet	Arch / longitudinal reinforcement	8
V.01.P.L	Guide	2	S.02	Screw	Arch / door handle	2
PC.B2.D	Polycarbonate	1	S.23	Rivet	Catcher / guide	4
4.03.257	Longitudinal reinforcement	2				
S.G.01	Rubber seal				or lock, adjust the dowel	pin to
S.114	Door lock	1	the correc	ct height by	cutting.	
S.109	Door handle	1				
1 5.117.1	Door lock <u>S.114</u> Screw <u>2x S.01</u>	Pre-drilled		<u>32.7</u> 03.257	V.B2.P PC.B2.1 2 2 5.117 V.01.P.L S.109	⊇ <u>S.11</u>
	V.B2.P		Ā	<u>/.B2.P</u>	2 Door handle <u>S.109</u> Screw <u>2x S.02</u> 4	Ŷ
3	3	V.01.P.L		<b>}</b>	<u>S.117</u> S.117.1	

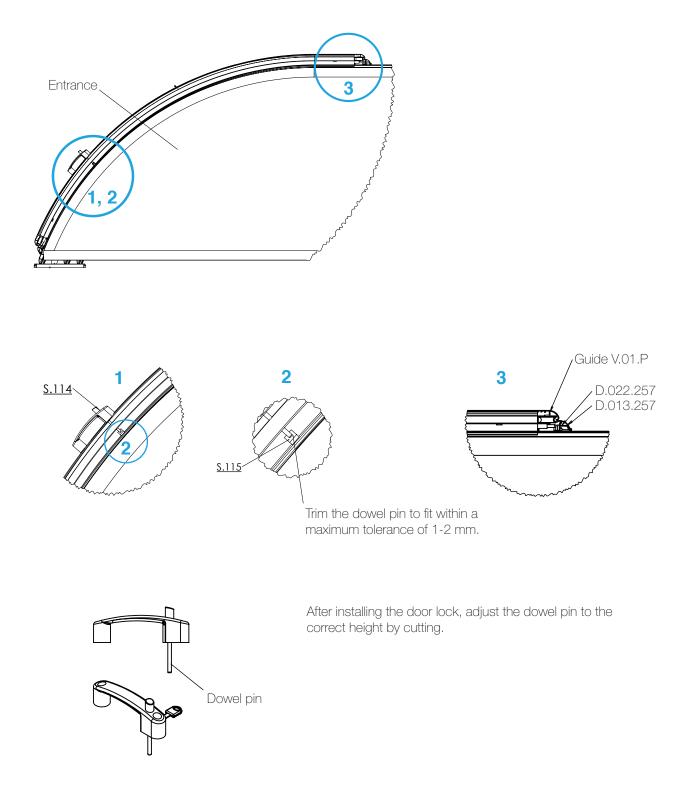
### 8.2 Entrance - Side sliding door - Mounting workflow



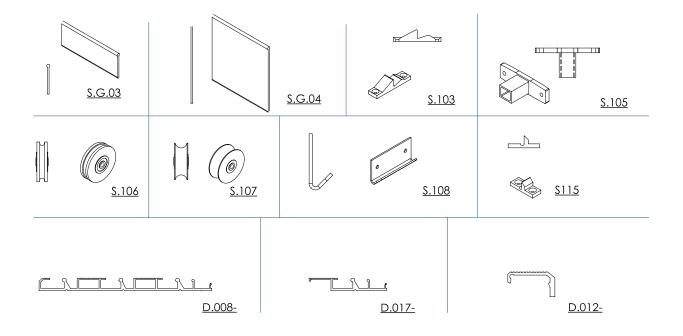




### 8.3 Entrance - Side sliding door - Installation



# 9 Spare parts





### www.diamant-unipool.eu/en/docs/manuals

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