

## Description

### Conservatory awning Climara W10<sup>2</sup>

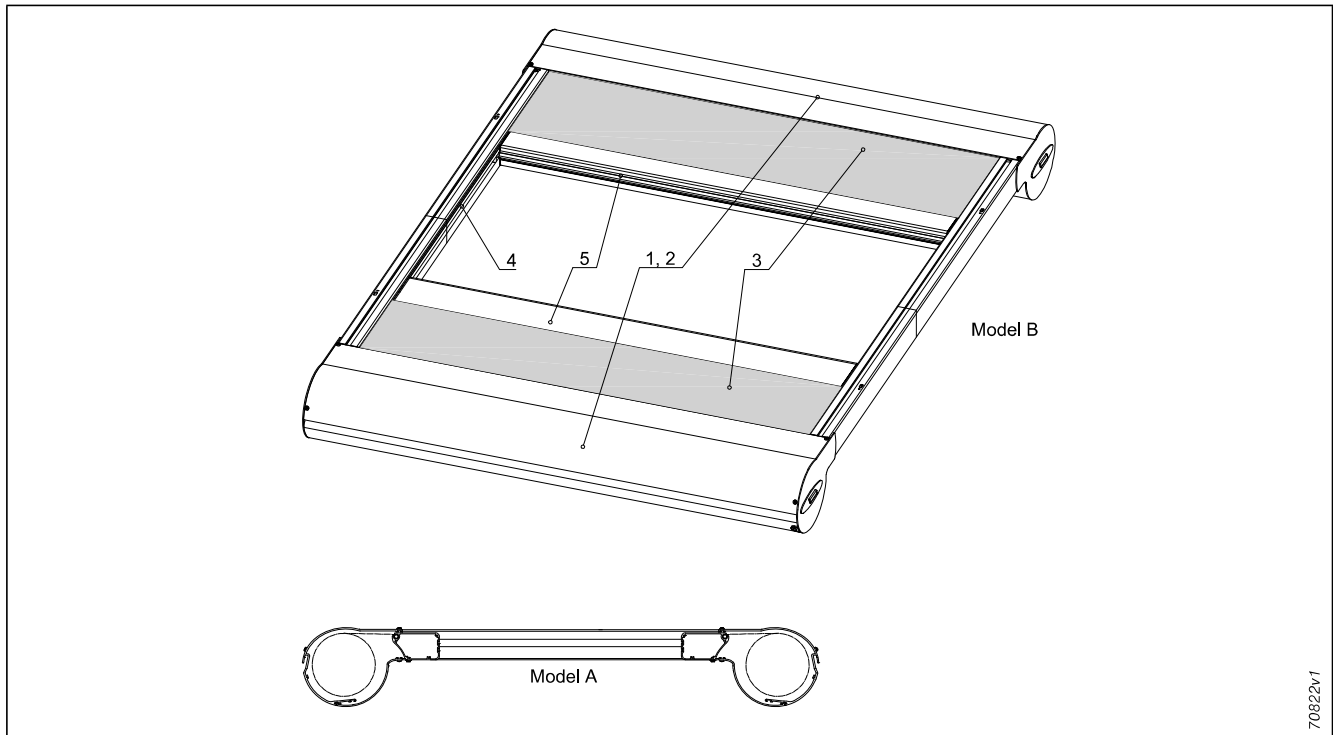


fig. 268: Conservatory awning W10<sup>2</sup>

- 1 Cover panel
- 2 Shaft
- 3 Fabric
- 4 Lateral guidance with secudrive®
- 5 Front rail

#### Application

Internal sun shading system for shading light wells and atria. The secudrive® guide for the first time allows a combination of two fabrics in one unit. The fabric is guided by a spring steel strip directly in the guide rail across the entire length.

#### Operation

##### Basic motor, 230 V, 50 Hz

WT with electronic limit switch-off  
(optionally with EWFS/WMS Plug receiver)  
More information about drives from page 275.

##### Cover panel (1)

Two cover panels per awning W10<sup>2</sup>, two-piece, closed at the front

Material: aluminium, extruded  
Dimensions (WxH): 199x159 mm  
Surface: powder-coated  
Fixing: through ceiling or wall bracket

#### Ceiling bracket

Material: stainless steel  
Dimensions (WxH): 40x75.5 or 129 mm  
Surface: plain

#### Wall bracket

consisting of ceiling bracket and lining. Ceiling bracket see above.

Lining  
Material: aluminium  
Material thickness: 10 mm  
Dimensions (WxH): 60 x 40 mm  
Surface: powder-coated

#### Shaft (2)

##### Fabric shaft

Material: aluminium  
Material thickness: 1.6 mm  
Dimensions (Ø): 86.2 mm  
Profile: round profile  
Surface: plain

##### Motor shaft

Material: aluminium  
Material thickness: 1.6 mm  
Dimensions (Ø): 70 mm  
Profile: round profile  
Surface: plain

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#### Fabric (3)

Fabric qualities: Standard/Lumera acrylic fabric  
Perfora acrylic fabric  
Soltis 92 fabric  
Soltis B92  
Twilight Pearl/Metal  
More information about the fabrics, see page 266

Designs: according to current WAREMA awning collection

Special fabrics not included in our current awning collection are only available upon request and at a surcharge.

#### Lateral guidance (4)

##### with secudrive® in rail

with mounting groove

Material: aluminium, extruded

Dimensions (WxH): 45x60 mm

Surface: powder-coated

Fixing: brackets, from page 154

A spring steel strip guides the fabric directly in the guide rail.

**Model A:** one pair of guide rails, two fabric qualities

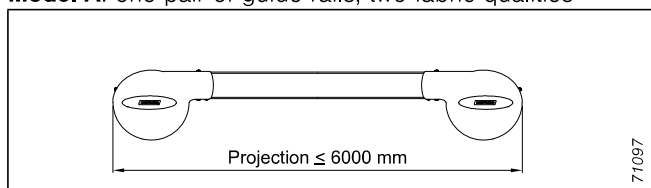


fig. 269: Model A

**Model B:** two joined pairs of guide rails, one fabric quality

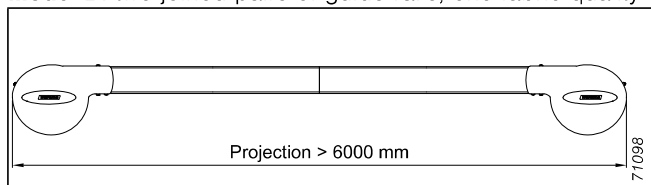


fig. 270: Model B

#### Front rail (5)

Two front rails per awning, incl. sealing strip black

Material: aluminium, extruded

Dimensions (WxH): 94x54 mm

Surface: powder-coated

#### Fixing and connecting parts

within the awnings

Material: A2 steel or aluminium

#### Colours

Powder coating of aluminium parts with chrome-free pre-treatment according to valid RAL CLASSIC colour chart (except camouflage and luminous colours) or in six DB colours as well as eight textured colours, four anodised-look colours (WC31 – WC34) and further colours according to WAREMA Colour World (in WAREMA colour specification). Other colour specifications and special colours are available on request and are subject to surcharge.

#### Model A

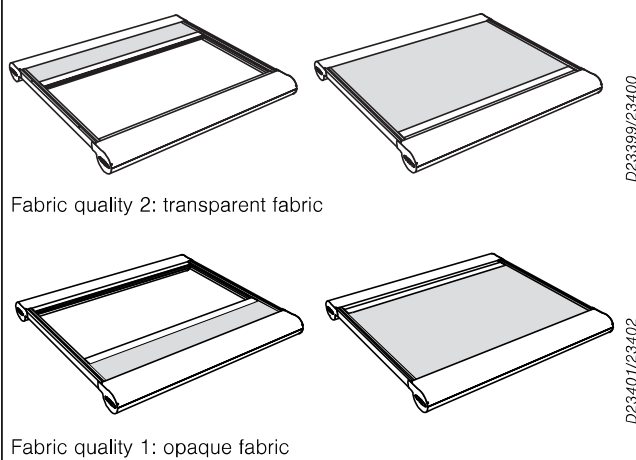


fig. 271: Model A

#### Model B

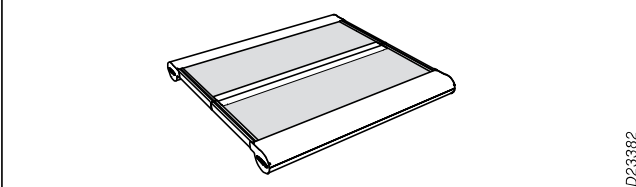


fig. 272: Model B

## Description

### Conservatory awning Climara W10<sup>2</sup>

#### Checklist

- Provide drawings of the skylight to be shaded or provide a sketch and also a photo (if possible)
- Fabric colour and quality
- Frame colour
- Type of guide rail brackets
- Determine position of drive (operation side of cover panel in direction of movement)
- Arrange for supply line on-site
- Arrange for housing of plug-in connector

#### Safety instructions

- In gyms, multi-purpose halls or similar, the awning must be protected against shocks (ball games), impacts etc. by appropriate features like fences, nets etc.
- Do not use in indoor pools due to the chlorine atmosphere.
- It is imperative that the installation instructions and the relevant appendices are adhered to.
- Accident prevention regulations from trade associations must be observed.
- Specifications of the manufacturers of screw anchors and fixing materials must be observed.
- The fixing points have to be checked once a year!

#### Information on operation and electrical connection:

The following connection conditions must be taken into consideration when controlling electronic motors:

1. It must be ensured that the drives are to be operated via locked switching elements. However, the drives switch to programming mode, if synchronous voltage is applied to the up and down running direction. In this case the built-in electronics lose their saved limit positions and await new programming.
2. Switching devices with the so-called 3-wire conductor technology (e.g. Rademacher timer clip) cannot be used because these devices draw their operating voltage from the drive and the electronics in the motors do not build up enough voltage.

If both conditions have been met, the electronic motors can be operated with any roller shutter controller or bus system (via actuators).

## Size/construction limit values/definitions

### Conservatory awning Climara W10<sup>2</sup>

#### Construction limit values in mm W10<sup>2</sup>

Internal sun shading systems	Type of fabric	Model A	Model B
Max. width	Acrylic – all qualities –	6000	6000
	Soltis 92 fabric	3500	3500
	Soltis B92	2500	2500
	Twilight Pearl/Metal	4500	4500
Min. width	Acrylic – all qualities –	900	900
	Soltis 92/B92 fabric	900	900
	Twilight Pearl/Metal	900	900
Max. length	Acrylic – all qualities –	6000 <sup>1)</sup>	12000 <sup>1)</sup>
	Soltis 92/B92 fabric	4000	8000
	Twilight Pearl/Metal	6000 <sup>1)</sup>	12000 <sup>1)</sup>
Min. length	Acrylic – all qualities –	1200	4001
	Soltis 92/B92 fabric	1200	4001
	Twilight Pearl/Metal	1200	4001
Max. surface (m <sup>2</sup> )	Acrylic – all qualities –	24	48
	Soltis 92 fabric	14	28
	Soltis B92	10	20
	Twilight Pearl/Metal	24	48
Inclination		0°	0°

<sup>1)</sup> Note max. area!

#### Note:

Conservatory awnings type W10<sup>2</sup> are only available as individual units, i.e. no coupled curtains and no motor/end bearing situations are possible! Each awning requires 2 single guide rails.

When using Twilight Pearl, the fabric is fastened with a fabric strip visible at the side.

#### Definitions

Length = back edge of cover panel 1 – back edge of cover panel 2

Order width = middle of guide rail to middle of guide rail.

**Attention: the entire awning is 57 mm wider!**

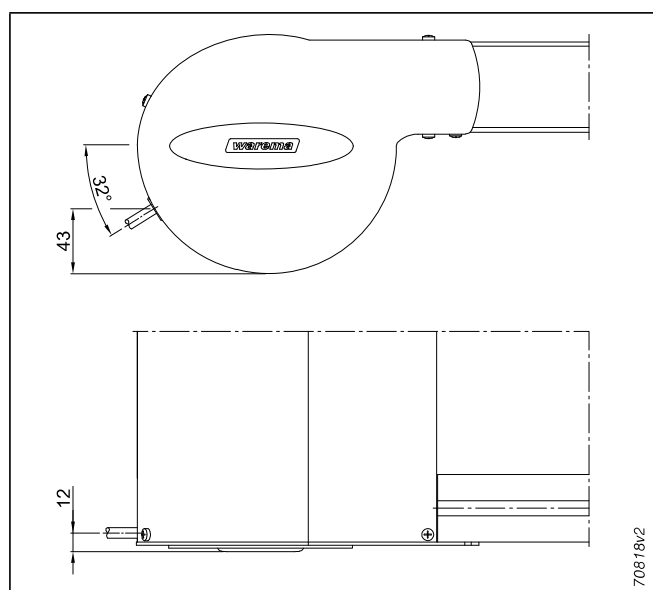


fig. 273: Cable exit

#### Guide rail brackets

No. of brackets per rail in model A	Stand-off installation length (mm)	Direct installation length (mm)
2	up to 2000	up to 2400
3	2001 to 3500	2401 to 4000
4	3501 to 5000	4001 to 6000
5	5001 to 6000	–

No. of brackets per rail in model B	Stand-off installation length (mm)	Direct installation length (mm)
2	up to 4000	up to 4800
3	4001 to 7000	4801 to 8000
4	7001 to 10000	8001 to 12000
5	10001 to 12000	–

#### Wall/ceiling brackets

Width (mm) W10 <sup>2</sup>	Ceiling brackets per cover panel
up to 4000	2
4001 to 6000	3

## Weights/run times/guide rail

### Conservatory awning Climara W10<sup>2</sup>

#### Diagram for determining run time of a conservatory awning W10<sup>2</sup>

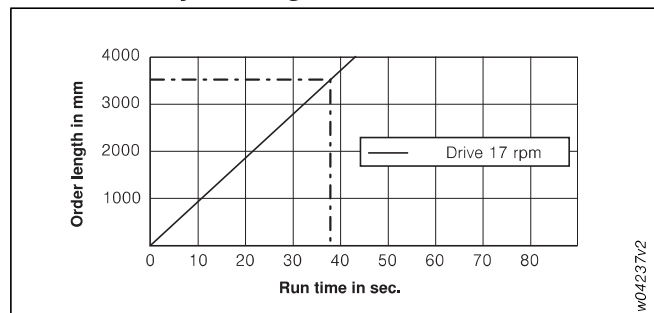


fig. 274: Diagram for determining run time for type W10<sup>2</sup>

#### How to read the diagram:

Awning with order length of 3500 mm and drive speed of 17 rpm has a run time of approx. 38 sec.

#### Guide rail

##### Guide rail 45x60 mm (WxH)

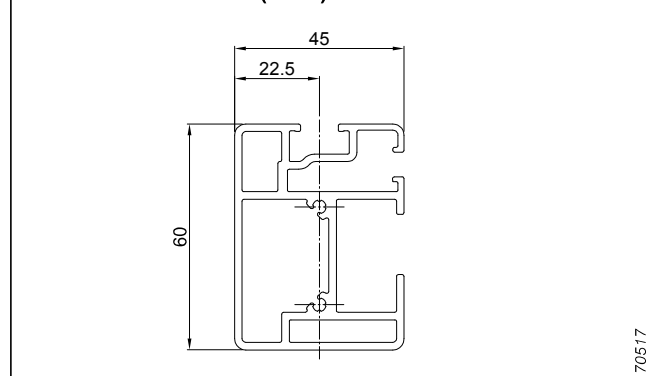


fig. 275: Guide rail

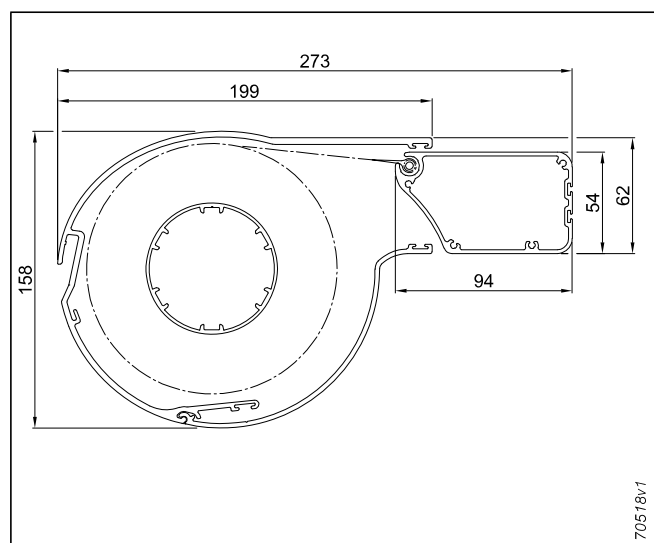


fig. 276: Cover panel

#### Diagram for determining the weight of a conservatory awning W10<sup>2</sup>

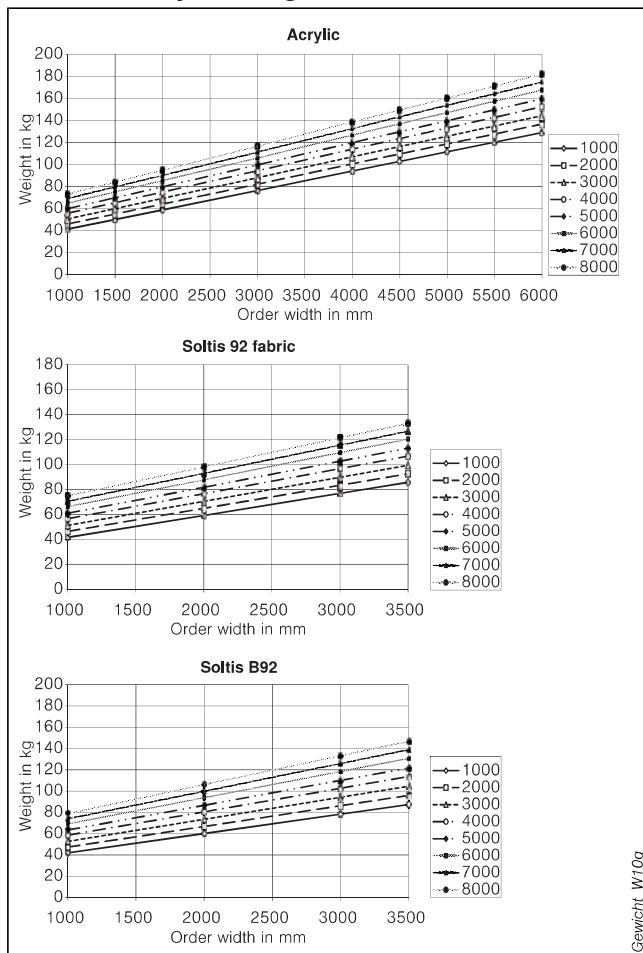


fig. 277: Diagram for determining the weights of type W10<sup>2</sup>

#### How to read the diagram:

Awning with 4000 mm order length, 3000 mm order width and acrylic fabric has a weight of approx. 107 kg.

Mounting in front of the reveal

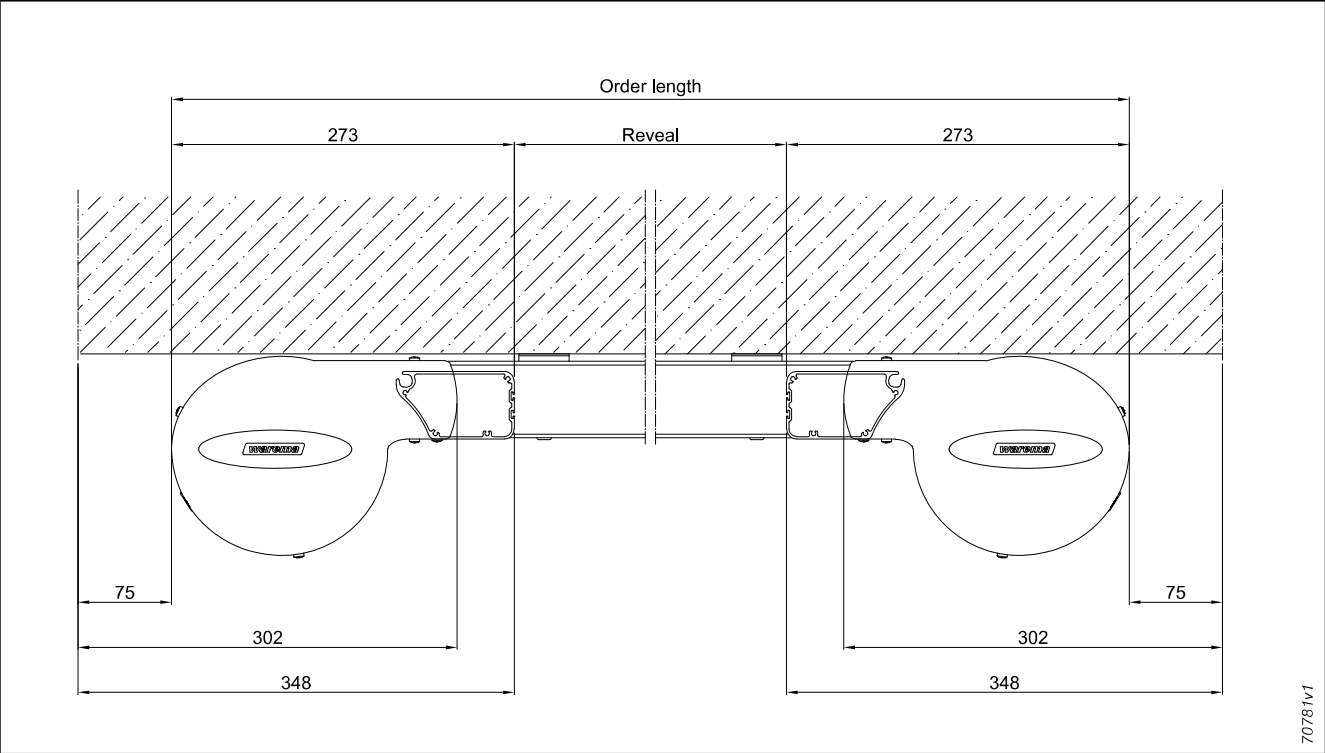


fig. 278: Mounting in front of the reveal

Mounting in the reveal

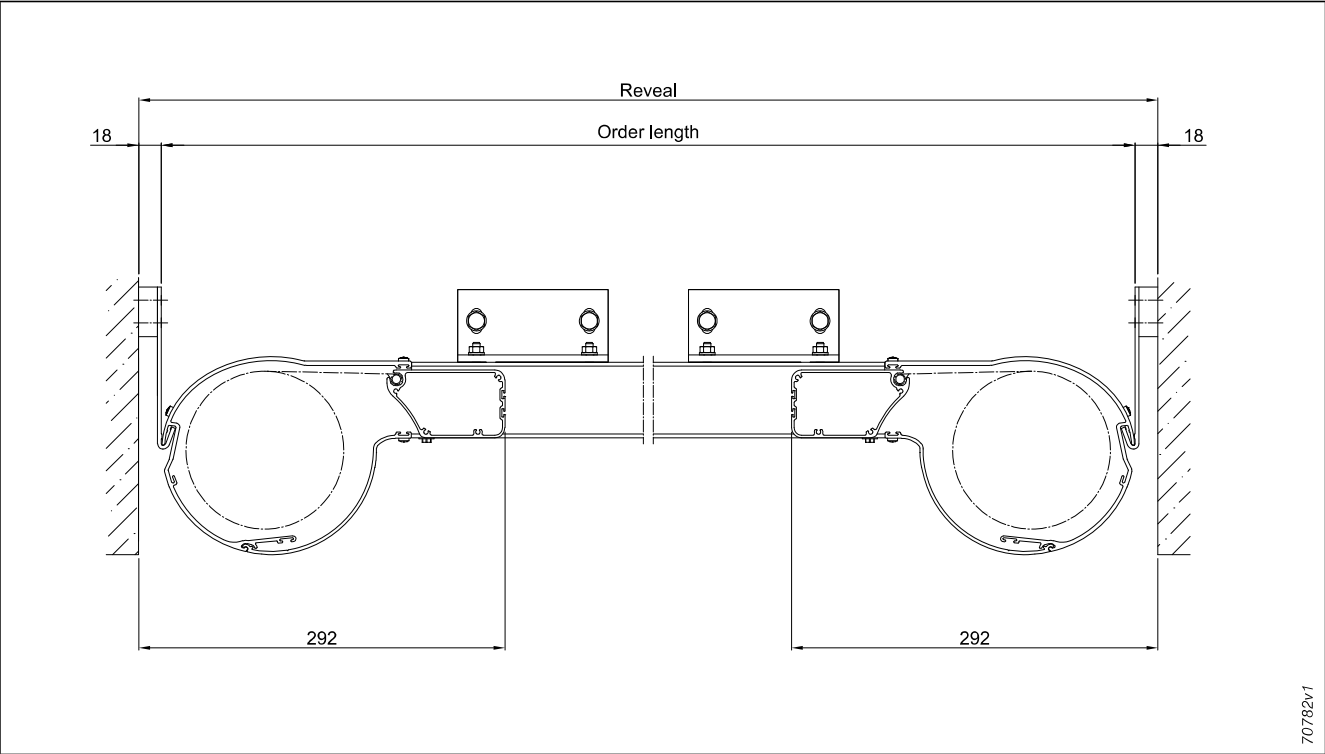


fig. 279: Mounting in the reveal