

## Description

### Conservatory awning W7

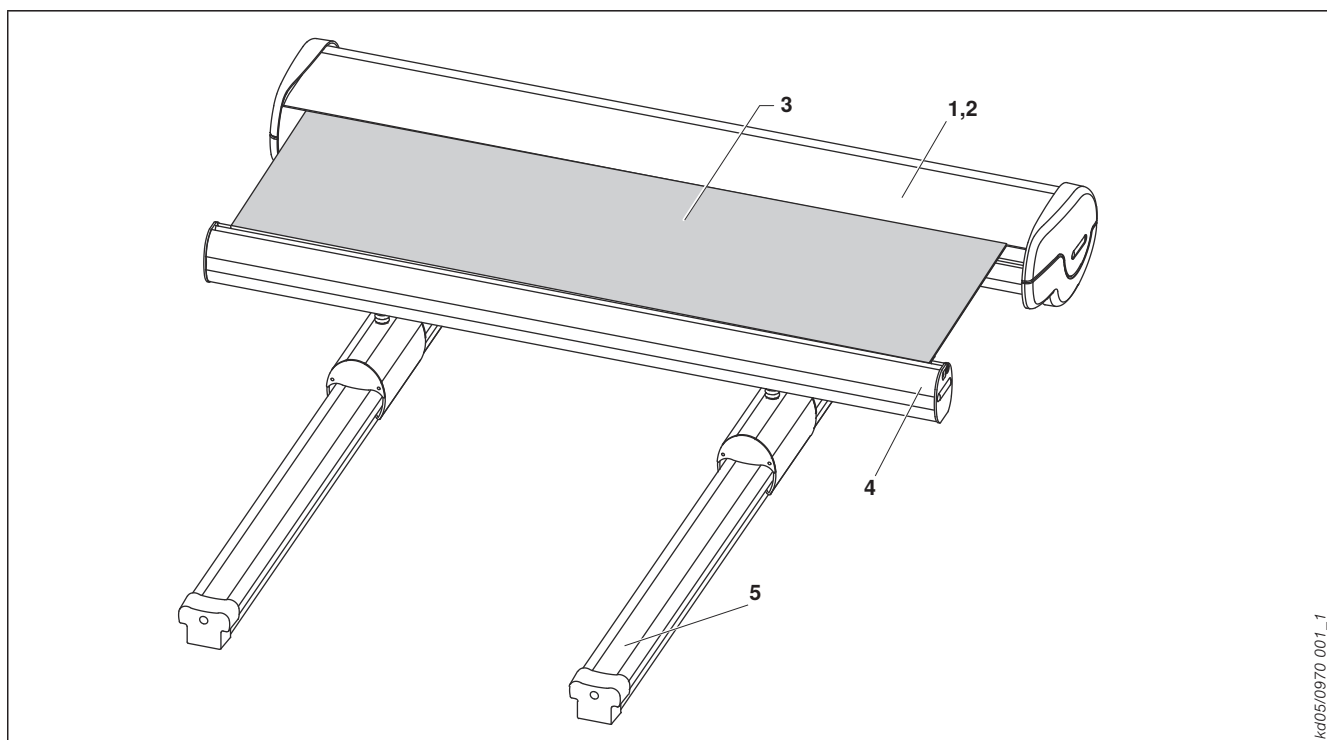


Fig. 536: Conservatory awning W7

- 1 Cover panel
- 2 Fabric shaft
- 3 Fabric
- 4 Front rail
- 5 Lateral guidance

### Application

External sun shading system for shading glazed conservatories and pergolas with roof pitches (15-45°).

For use with offset guide rails.

For hipped or sloping conservatories.

Functions with a back-pull system.

Optimum fabric tension through gas pressure springs in the guide rails.

### Operation

#### Motor

thermal protection and built-in capacitor comprised  
Torque overload protection in direction of retraction  
Motor switches off automatically in the upper and lower limit positions

Voltage: 230 V AC

Frequency: 50 Hz

Protection rating: IP 44

Connecting cable: 500 mm

Plug-in connector: Hirschmann coupling wired to motor cable, comprised for customer connection, enclosure comprised

#### Radio plug receiver (optional)

EWFS hand-held transmitter, 1 channel comprised

### Cover panel (1)

Round cover panel, two-piece

Material: aluminium, extruded

Dimensions (w x h): 214 x 157 mm

Profile: Round profile

Surface: powder-coated, anodising optional

The cover panels are closed at the front by aluminium side covers.

### Fabric shaft (2)

Material: steel, zinc-coated

Material thickness: 1 mm

Dimensions (Ø): 85 mm

Profile: groove tube

Surface: plain

### Fabric (3)

Fabric qualities: Acrylic Standard/Lumera

Perfora Acrylic fabric

Soltis 92 fabric

More information about fabrics on page 388

Designs: according to current WAREMA awning collection

Special fabrics not included in our current awning collection are only available upon request and are subject to sur-charge.

**Notes:** For order widths exceeding 1800 mm the fabric sections are reinforced with fibreglass rods in the transverse seam area.

Optimum fabric tension is achieved from a roof pitch of 15°. With smaller roof pitches, the fabric may rest on top of the guide rail.

## Description

### Conservatory awning W7

From 4000 mm order height min. 15° roof pitch required!  
Always extend the awning out to its maximum projection, as an automatic motor return pulse is automatically generated to re-stretch the fabric when it reaches its end position.  
With Soltis 92 fabrics it is imperative that the guide rails are drawn in parallel in order to achieve even tensioning of the fabric!

#### Front rail (4)

with beading channel for fabric fixing

Material: aluminium, extruded

Dimensions (w x h): 84 x 64 mm

Surface: powder-coated, anodising optional

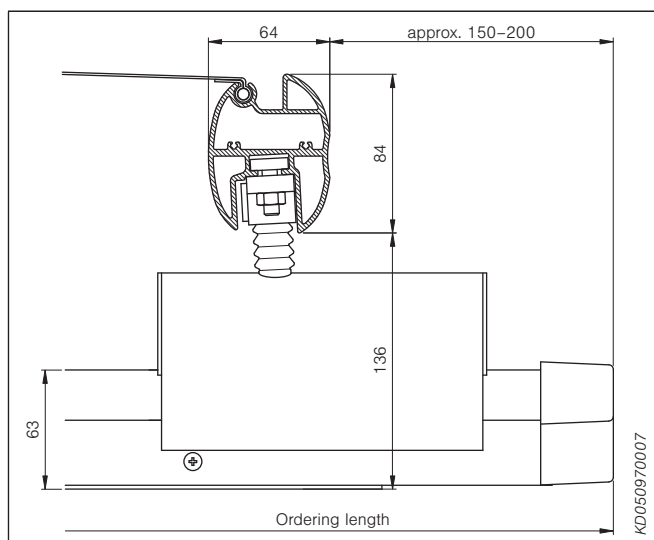


Fig. 537: Front rail

#### Lateral guidance (5)

##### Rail

For mounting directly on the conservatory profile

Material: aluminium, extruded

Dimensions (w x h): 75 x 63 mm

Surface: powder-coated

Fixing: mounting profile see page 345

The panel overhang left and right should be symmetrical, also for conservatories sloping on one side.

With acrylic fabrics, the maximum permissible deviation from the symmetry is 200 mm.

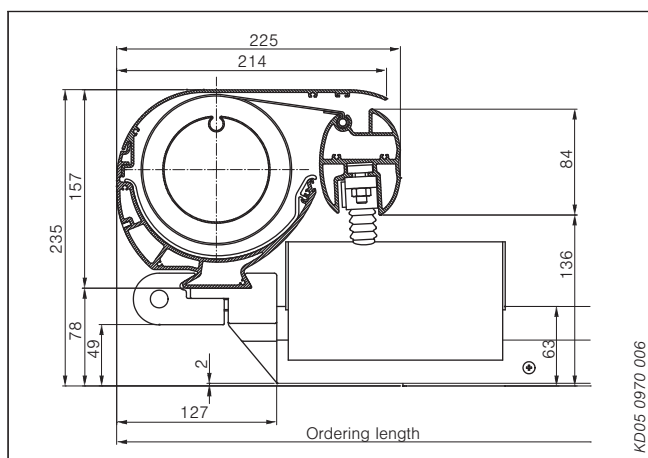


Fig. 538: Conservatory awning W7

#### 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 DB colours 701, 702 and 703 as well as eight textured colours (W4914 - W4921), four anodized-look colours (WC31 - WC34) and further colours according to WAREMA standard colour fan (in WAREMA colour specification).

Other colour specifications or special colours are available upon request and at a surcharge.

## Construction limit values/weights/run times

### Conservatory awning W7

You can also use our free planning program at [www.sonnenschutzplaner.de](http://www.sonnenschutzplaner.de) for planning the sun shading systems – configure the product and create a technical drawing for integrating into your plans.

#### Construction limit values in mm W7

| External sun shading        | Type of fabric   | Individual unit    |
|-----------------------------|------------------|--------------------|
| Max. width                  | Acrylic          | 6000 <sup>1)</sup> |
|                             | Soltis 92 fabric | 4000               |
| Min. width                  | Acrylic          | 800                |
|                             | Soltis 92 fabric | 800                |
| Max. length                 | Acrylic          | 4500 <sup>2)</sup> |
|                             | Soltis 92 fabric | 4000               |
| Min. length                 | Acrylic          | 1000               |
|                             | Soltis 92 fabric | 1000               |
| Max. area (m <sup>2</sup> ) | Acrylic          | 24                 |
|                             | Soltis 92 fabric | 16                 |

<sup>1)</sup> For max. ordering length 4000 mm

<sup>2)</sup> For max. order width 5000 mm

#### Definitions

WAREMA conservatory awnings W7 EF are always supplied as motorised right rolling units. The drive end or operation side is always seen from the cover panel in extension direction.

#### Note:

- Mechanically coupled units not possible.
- Sensor system only available with W6 and W8, **not** with W7.

#### Special order data

- Drive end
- Mounting substructure (if possible provide sample or drawing)
- Ordering length (back edge of cover panel – leading edge of guide rail end cap)
- Order width (outer edge of side cover – outer edge of side cover)

#### Diagram for determining run time of a conservatory awning W7

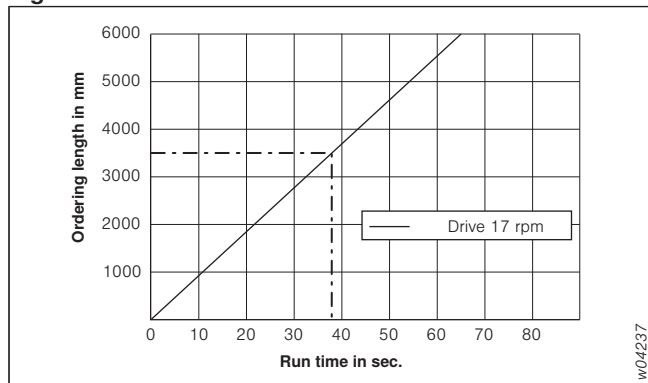


Fig. 539: Diagram for determining run time for type W7

#### How to read the diagram:

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

#### Diagram for determining the weight of a conservatory awning W7

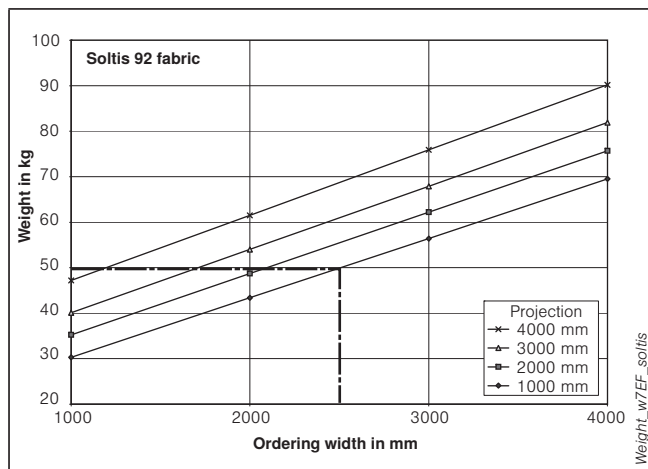
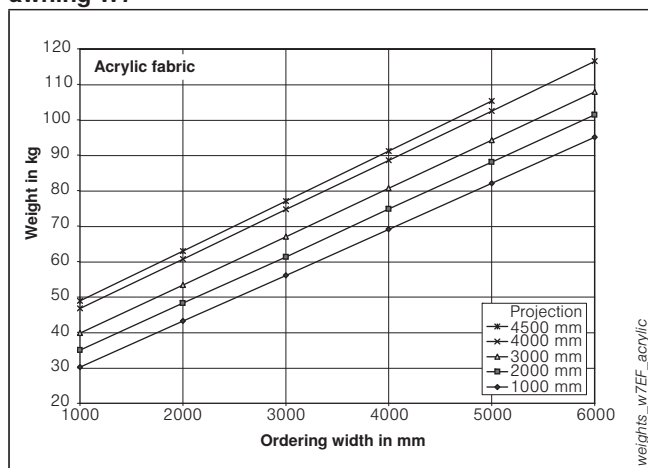


Fig. 540: Diagram for determining the weights of type W7

#### How to read the diagram:

Awning with 1000 mm ordering length, 2500 mm order width and Soltis 92 fabric has a weight of approx. 50 kg.

## Measuring instructions and data sheet

### Conservatory awning W7

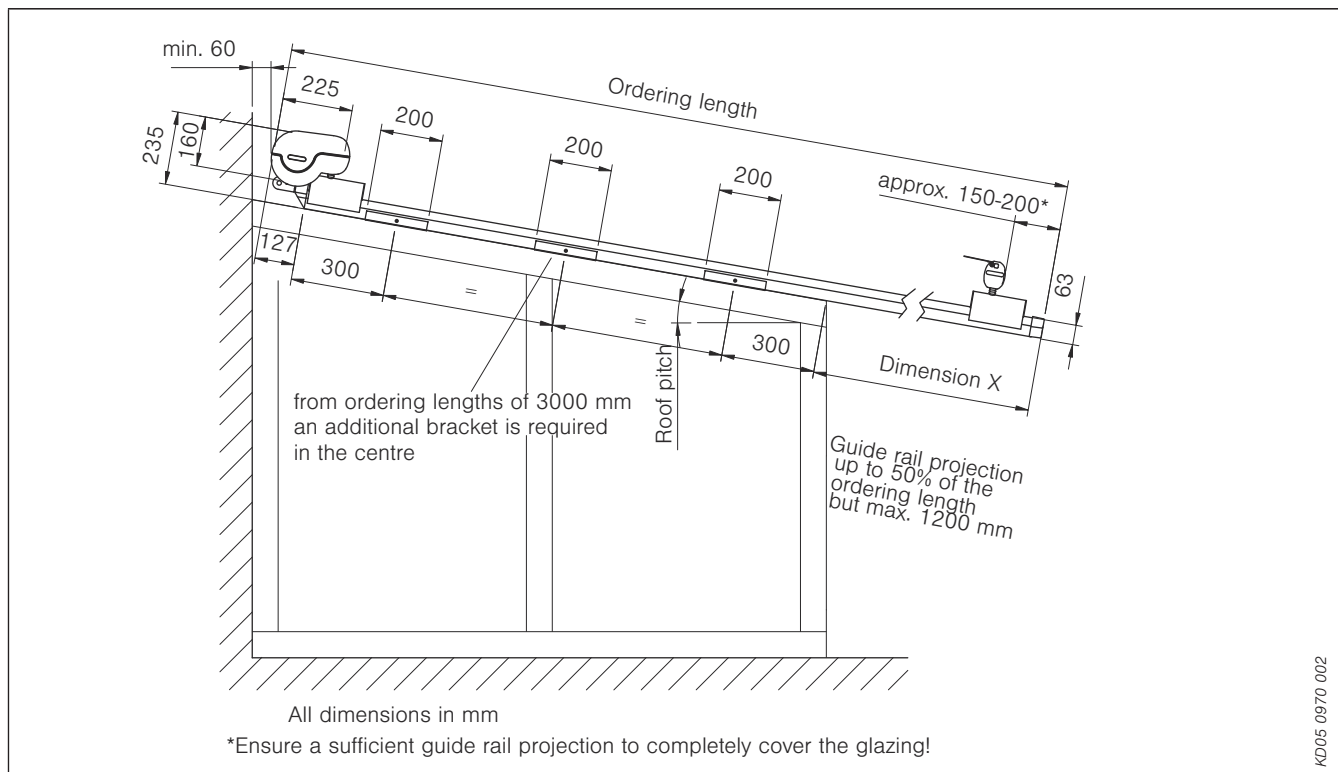


Fig. 541: Conservatory awning W7

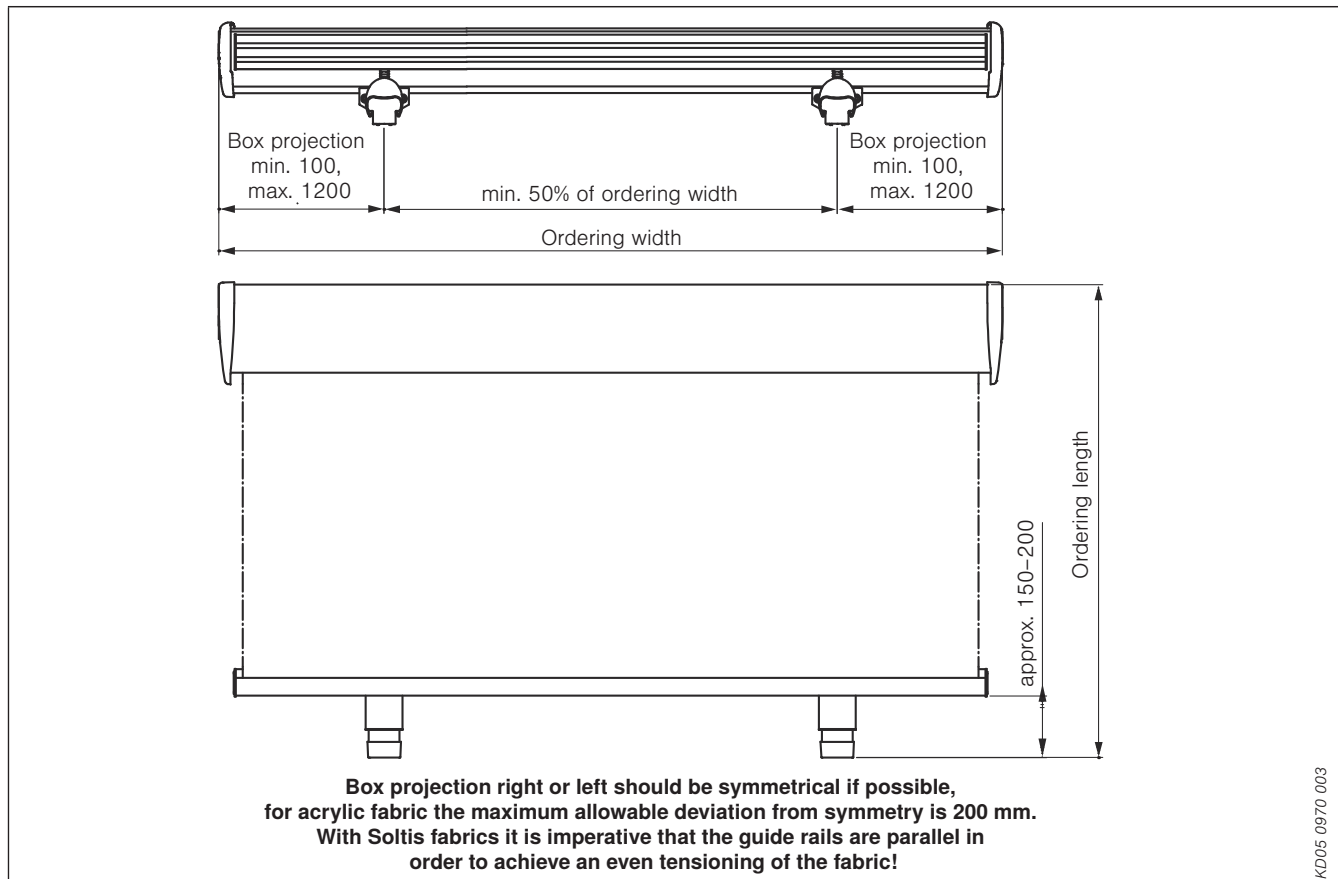


Fig. 542: Measuring instructions W7

# Details

## Conservatory awning W7

### Guide block

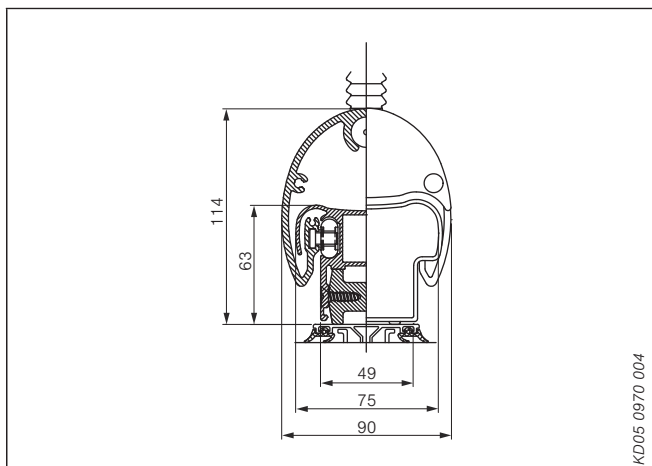


Fig. 543: Guide block and guide rails

### Mounting profile

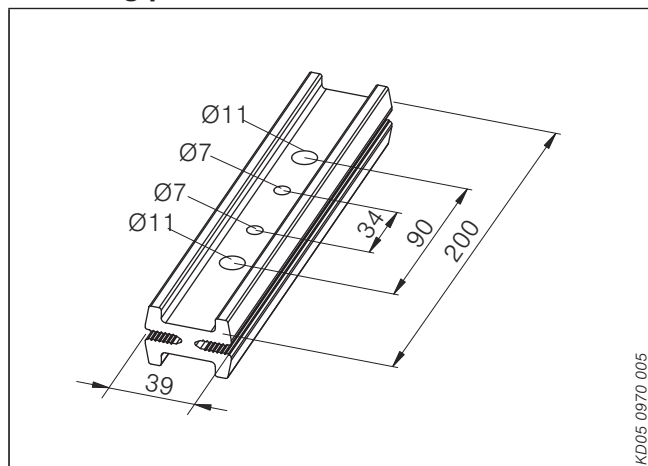


Fig. 545: Mounting profile

### Standard mounting profile

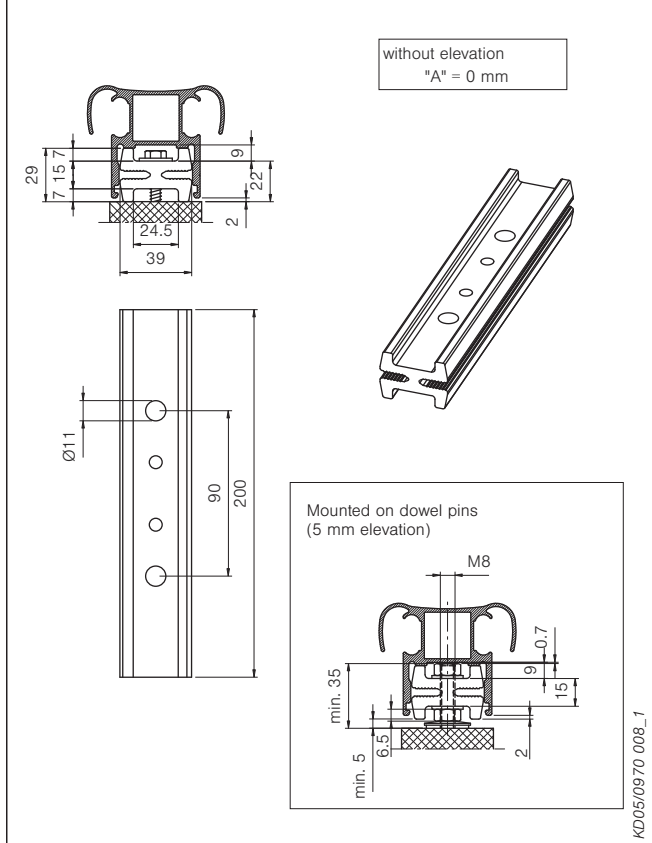


Fig. 544: Conservatory awning W7

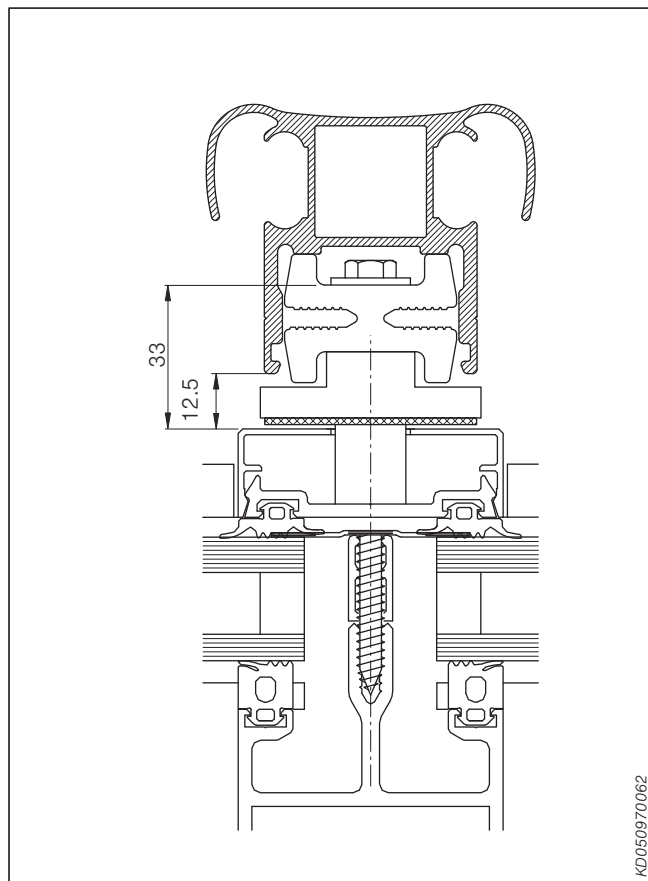
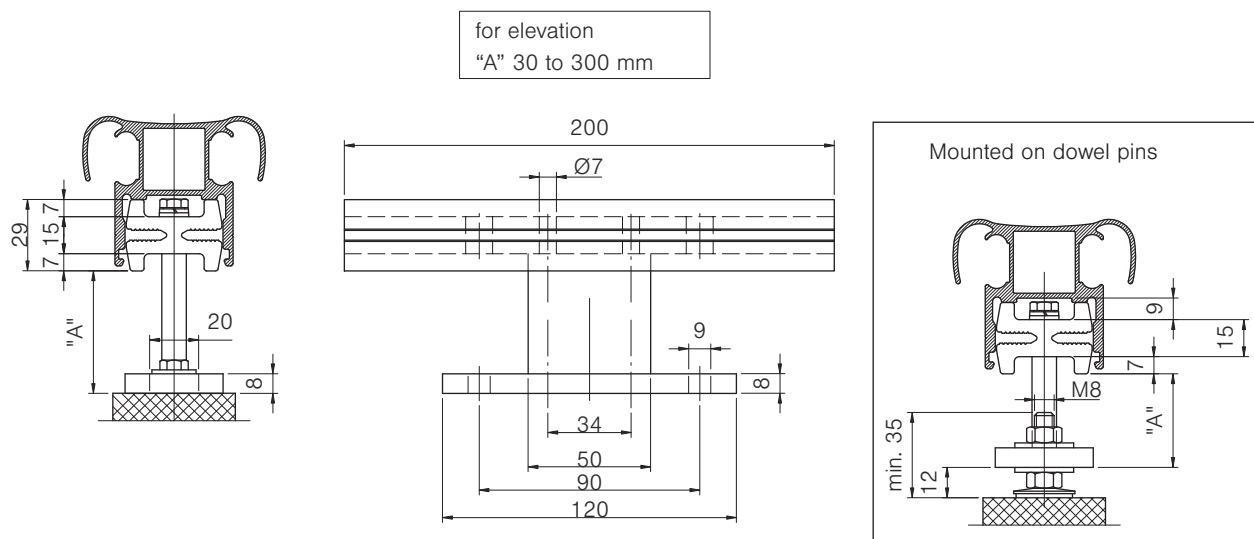


Fig. 546: Application example

## Mounting situation

### Conservatory awning W7

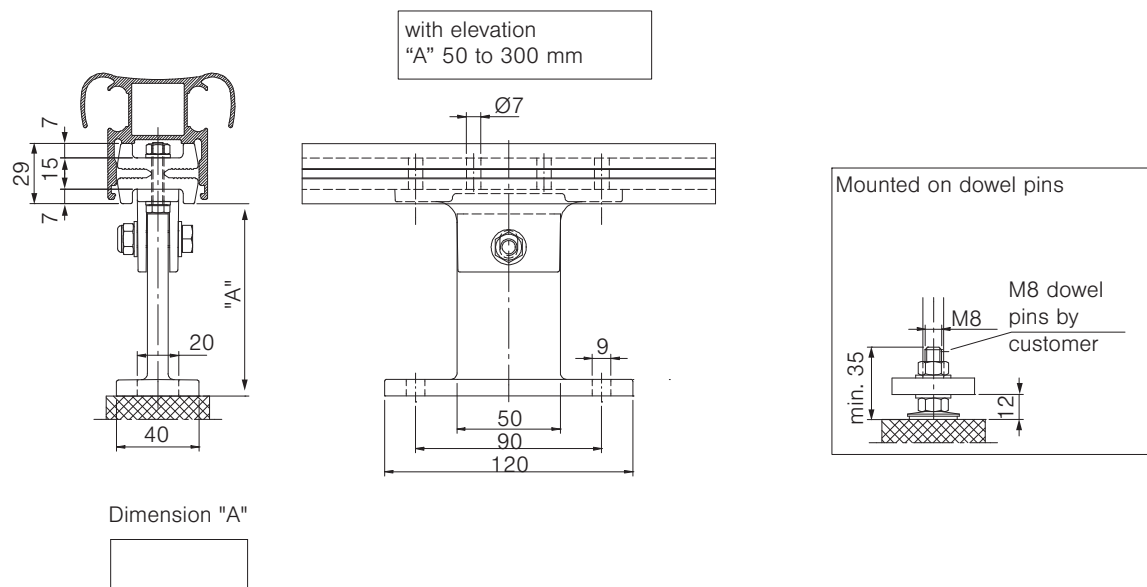
#### Elevation not adjustable



KD05/0970 008\_3

Fig. 547: Elevation not adjustable

#### Elevation adjustable with bracket H101



abs4

Fig. 548: Elevation adjustable with bracket H101

## Fixing material

### Conservatory awning W7

Mounting with mounting profile standard on:

#### Fixing material on aluminium

| Designation    |                       | Article no. | Unit |
|----------------|-----------------------|-------------|------|
| Hexagon screws | DIN 7976-A2 C6.3 x 70 | 721034      | Qty. |
| Washer         | DIN 9021-A2 6.4       | 742006      | Qty. |

#### Fixing material on wood

| Designation         |                   | Article no. | Unit |
|---------------------|-------------------|-------------|------|
| Hexagon wood screws | DIN 571 A2 6 x 80 | 727050      | Qty. |
| Washer              | DIN 9021 A2 6,4   | 742006      | Qty. |
| Washer, sealing     | Ø 6.3 mm          | 208121      | Qty. |

#### Fixing material on wood with hanger bolt

| Designation |                     | Article no. | Unit |
|-------------|---------------------|-------------|------|
| Hanger bolt | DIN 934-A2 M8 x 130 | 746170      | Qty. |
| Nut         | DIN 934-A2 M8       | 714007      | Qty. |
| Washer      | 8.4, Neoprene-A2    | 745033      | Qty. |
| Washer      | 8.4, DIN 9021-A2    | 742007      | Qty. |
| Washer      | 8.4, DIN 125-A2     | 741007      | Qty. |

#### Fixing material on on-site bolt

| Designation |                  | Article no. | Unit |
|-------------|------------------|-------------|------|
| Nut         | DIN 934-A2 M8    | 714007      | Qty. |
| Washer      | 8.4, DIN 125-A2  | 741007      | Qty. |
| Washer      | 8.4, Neoprene-A2 | 745033      | Qty. |

Mounting with elevation, not height-adjustable or adjustable with bracket 101 on:

#### Fixing material on aluminium

| Designation    |                       | Article no. | Unit |
|----------------|-----------------------|-------------|------|
| Hexagon screws | DIN 7976-A2 C6.3 x 50 | 721048      | Qty. |
| Washer         | DIN 9021-A2 6.4       | 742006      | Qty. |

#### Fixing material on wood

| Designation         |                   | Article no. | Unit |
|---------------------|-------------------|-------------|------|
| Hexagon wood screws | DIN 571 A2 6 x 80 | 727050      | Qty. |
| Washer              | DIN 9021 A2 6,4   | 742006      | Qty. |
| Washer, sealing     | Ø 6.3 mm          | 208121      | Qty. |

#### Fixing material on wood with hanger bolt

| Designation         |                     | Article no. | Unit |
|---------------------|---------------------|-------------|------|
| Hanger bolt         | DIN 934-A2 M8 x 130 | 746170      | Qty. |
| Nut                 | DIN 934-A2 M8       | 714007      | Qty. |
| Washer              | 8.4, Neoprene-A2    | 745033      | Qty. |
| Washer              | 8.4, DIN 9021-A2    | 742007      | Qty. |
| Stop nut            | M8                  | 711043      | Qty. |
| EPDM sealing washer | DA18/Di10.5mm       | 745065      | Qty. |

#### Fixing material on on-site bolt

| Designation         |                  | Article no. | Unit |
|---------------------|------------------|-------------|------|
| Nut                 | DIN 934-A2 M8    | 714007      | Qty. |
| Washer              | 8.4, DIN 9021-A2 | 742007      | Qty. |
| Washer              | 8.4, Neoprene-A2 | 745033      | Qty. |
| Stop nut            | M8               | 711043      | Qty. |
| EPDM sealing washer | DA18/Di10.5mm    | 745065      | Qty. |

#### Other fixing material

| Designation |                               | Article no. | Unit |
|-------------|-------------------------------|-------------|------|
| Spacer tube | aluminium, 16 x 1.5 mm, plain |             | m    |
|             | aluminium, 12 x 1.5 mm, plain |             | m    |