Description

Articulated arm awning 700S

Fig. 49: Articulated arm awning 700S

1 Fixing console
2 Fabric shaft
3 Fabric shaft console
4 Side covers
5 Bearing tube
6 Articulated arm
   6.1 Articulated arm seat
   6.2 Articulated arm profile
   6.3 Centre joint
   6.4 Support for front rail
7 Front rail
8 Front cover panel (optionally)
9 Fabric
10 On-site shaft

Application
Large-area sun shading system for shading open areas for invisible mounting in a shaft.

Operation
Basis drive, 230 V, 50 Hz
Orea WT with electronic limit switch-off (optionally with EWFS/WMS Plug receiver)
EWFS radio motor, 230 V, 50 Hz (optionally)
W-MM with electronic limit switch-off
WMS radio motor, 230 V, 50 Hz (optionally)
WMS-MM with electronic limit switch-off
More information about drives from page 383.

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Console (1)
Wall installation
Material: aluminium, extruded
Surface: powder-coated

Fabric shaft (2)
Material: galvanised steel
Material thickness: 1 mm
Dimensions (Ø): 85 mm
Profile: groove tube
Surface: plain

Fabric shaft console (3)
Material: aluminium, extruded
Surface: powder-coated

Side covers (4)
for front rail
Material: plastic
Colour: black

Bearing tube (5)
Material: galvanised steel
Material thickness: 2 mm
Dimensions (w x h): 40 x 40
Profile: square
Surface: powder-coated
Description

Articulated arm awning 700S

Articulated arm (6)
Articulated arm seat (6.1)
Tilting joint with arm locking mechanism
Material: aluminium, extruded and drop-forged
Surface: powder-coated

Articulated arm profile (6.2)
with two internal tension springs with integrated slide and dynamic protection
Material: aluminium, extruded
Dimensions (w x h): front 33 x 61 mm
rear 35 x 68 mm
Surface: powder-coated

Centre joint (6.3)
Material: aluminium, drop-forged
Bolts: stainless steel, in Teflon bushings
Power transmission: alternatively steel cable (minimum tensile strength of cable over 1 ton, standard), link chain (with wear-resistant corrud coating), optionally segment, aluminium, extruded
Surface: powder-coated

Support for front rail (6.4)
Material: aluminium, extruded
Surface: powder-coated

Front rail (7)
Material: aluminium, extruded
Dimensions (w x h): 57 x 48 mm
Surface: powder-coated

Front cover panel (optionally) (8)
Material: aluminium, folded
Material thickness: 2 mm
Dimensions (w x h): 26 x 230 mm
Weight: max. 2 kg/m
Surface: powder-coated

Front cover panel (optionally) (8)
Material: aluminium, folded
Surface: powder-coated

Fabric (9)
Fabric qualities: Acrylic Standard/Lumera
Acrylic Perfora/All Weather
Soltis 92
More information about the fabrics on page 374
Designs: according to valid WAREMA awning collection
Special fabrics not included in our current awning collection are only available upon request and at a surcharge.

Projections
Available sizes: 1500, 2000, 2500, 3000 mm
Size measured from middle of fabric shaft to leading edge of front rail (±50 mm).

Inclination angle adjustment
continuously adjustable
Inclination angle: 5° – 20°
Standard: 10° inclination
Resistance to water pooling class 2 from 10° inclination angle.
Tolerance depending on projection ±5°.

Weight
16–18 kg/m without consoles, depending on fitted equipment

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 701, 702 and 703, four anodised-look colours (WC31 - WC34) and further colours according to WAREMA Colour World (in WAREMA colour specification).
Other colour specifications or special colours are available upon request and at a surcharge.

You can also use our free planning programme on www.sonnenschutzplaner.de for planning the sun shading control systems – here you can configure the product and create a technical drawing for integration into your plans. More mounting examples for different wall constructions for use in consultations can be found in our application brochure awnings, art. no. 87499.

Construction limit values in mm for wall installation on concrete

<table>
<thead>
<tr>
<th>Projection (±50 mm)</th>
<th>Type 700S – individual unit</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Max. width</td>
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<tr>
<td></td>
<td>1500</td>
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<tr>
<td>Fabric types</td>
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<td>5960</td>
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<td>- Soltis 92</td>
<td>5500</td>
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<tr>
<td>Min. width</td>
<td></td>
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<tr>
<td>- with motor</td>
<td>1850</td>
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</table>

1 From 5001 mm width a 3rd articulated arm is included.

The minimum sizes, number of consoles, console positions and pull-out forces indicated in this document refer to concrete C20/25 (B25) as a substructure.
### Dimensions tables for console positions on concrete

**Articulated arm awning 700S**

**Overview**
- Articulated arm/cassette awnings
- Pergola awnings
- Accessories
- Patio awnings
- Patio roofs
- Conservatory awnings
- Horizontal awnings
- Sun sails/fabrics
- Drives/control systems

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#### Dimensions tables for console positions on concrete

**Fig. 50: Dimensional drawing for console positions**

1. Dimension D or dimension E are always measured from the drive end
2. Spacing depends on shaft opening

<table>
<thead>
<tr>
<th>Projection (mm)</th>
<th>Width (mm)</th>
<th>Dimension “B” (mm)</th>
<th>Dimension “C” (mm)</th>
<th>Dimension “D” (mm)</th>
<th>Dimension “E” (mm)</th>
<th>Consoles(^1)</th>
<th>Force/dowel</th>
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<tr>
<td></td>
<td>from</td>
<td>up to</td>
<td>from</td>
<td>up to</td>
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</tbody>
</table>

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1. With 2 consoles, either dimension B or C applies (preferably dimension B).
2. With 4 consoles, dimension B and dimension C apply.
3. With 4 consoles, the consoles must be installed symmetrically to the axis of the seat of the articulated arm.
4. For the 3rd and/or 5th console either dimension D or E applies (preferably dimension E)
Overview

Articulated arm awning 700S

Fig. 51: Articulated arm awning 700S, front rail with screw-on plate and bracket

Fig. 52: Articulated arm awning 700S, lead profile complete with cover panel

Fig. 53: Articulated arm awning 700S, dimensions/deduction measurements

Fig. 54: Articulated arm awning 700S mounted in series, dimensions/deduction measurements
Fixing

Articulated arm awning 700S

Type 700S

- **min. shaft opening = awning width + 40 mm**
- **Console and arm positions depend on width and projection**
- **Fabric width = awning width - 140 mm**
- **Lead profile width = awning width - 8 mm**
- **Awning width cover panel width = awning width + 20 mm**

**Fig. 55:** Articulated arm awning 700S, with three articulated arms and fabric bearing shell

**Fig. 56:** Articulated arm awning 700S, on-site shaft mounting with wall consoles and front cover panel
Fixing

Articulated arm awning 700S

Fig. 57: Consoles for wall installation
Brackets and cover panel

Articulated arm awning 700S

Fig. 58: Screw-on plate
Fig. 59: Brackets
Fig. 60: Front cover panel
Fig. 61: Fixing of cover panel, complete
**Description**

**Cassette awning 550**

![Diagram of Cassette awning 550]

1. Box
2. Fabric shaft
3. Fixing console
4. Side covers
5. Articulated arm
   5.1 Articulated arm seat
   5.2 Articulated arm profile
   5.3 Centre joint
   5.4 Support for front rail
6. Front rail
7. Fabric
8. Valance (optional)

**Application**

Compact sun shading for shading balconies and patios. Mounting independent of weather as awning fabric and articulated arms are protected from rain and dirt in a very small cassette.

**Operation**

**Basis drive, 230 V, 50 Hz**

Orea WT with electronic limit switch-off (optionally with EWFS/WMS Plug receiver)

**EWFS radio motor, 230 V, 50 Hz (optionally)**

W-MM with electronic limit switch-off

**WMS radio motor, 230 V, 50 Hz (optionally)**

WMS-MM with electronic limit switch-off

More information about drives from page 383.

**Crank**

Bevel gear with eyelet and integrated limit stop.

Ratio: 2.7:1

Crank lengths: 800/1000/1200/1400/1600/1800/2000 mm

**Box (1)**

Bottom profile with moulded-on top profile

Material: aluminium, extruded

Dimensions (w x h): 182 x 108 mm

Profile: rounded

Surface: powder-coated

The front closure is a lead profile adapted to the cassette shape.

**Fabric shaft (2)**

Material: galvanised steel

Material thickness: 1 mm

Dimensions (Ø): 63 mm

Profile: groove tube

Surface: plain

**Console (3)**

**wall and ceiling installation**

Material: aluminium, extruded

Surface: powder-coated

**rafter installation**

Material: aluminium

Surface: powder-coated