



## **markilux innovations 2017**

Technical information

[markilux.com](http://markilux.com)

***markilux***  
safe timeless beautiful

Under-glass awnings	markilux 779 / markilux 779 tracfix . . . . .	01
	markilux 879 / markilux 879 tracfix . . . . .	02
Conservatory awnings	markilux 770 tracfix . . . . .	03
	markilux 870 tracfix . . . . .	04
Vertical blinds	markilux 776 / markilux 776 tracfix . . . . .	05
	markilux 876 / markilux 876 tracfix . . . . .	06
	Panorama window for markilux 776 tracfix / 876 tracfix . . . . .	07
	markilux 620 tracfix –Extended size matrix . . . . .	08
Patio and balcony awnings	markilux 970 – With extended size matrix and shadeplus . . . . .	09
	markilux 3300 pur – Up to 400 cm extension. . . . .	10
	markilux 1300 Basic – New design. . . . .	11
Awnings for open spaces	markilux RS-2 – With square posts . . . . .	12
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7609113 2017-02-20

We reserve the right to make technical alterations without giving prior notice. Up-to-date technical data can be found in the restricted area of the website in the “Media Library” section under “Information for Specialist Dealers” at [www.markiluxpro.com](http://www.markiluxpro.com).



**Rated to wind resistance class 2 or 3**  
(depending on the dimensions)  
corresponds to Beaufort force 5 or 6

## **markilux 779 / 779 tracfix**

**The perfect underglass awning for large areas.**

**The consistently square shape of the cassette emphasizes the look of every glass canopy.**

## 01 Special features

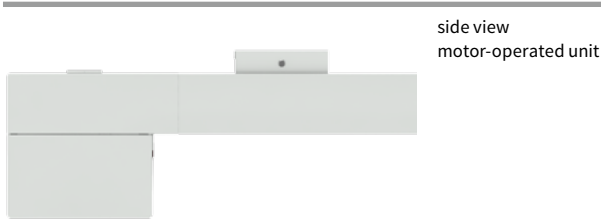
02

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06



side view  
motor-operated unit



the front profile  
finishes flush with the  
guide tracks when  
fully extended

07

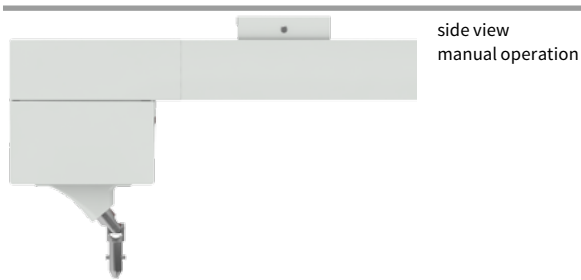
08

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side view  
manual operation



units with the  
optional tracfix system  
have no annoying gap  
between the cover  
and the guide track

### Design Features

beautifully crafted, square aluminium cassette

the square cassette and square guide tracks harmonise perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

the panel joints of the awning cover are ultrasonically bonded – giving an improved appearance without bothersome stitching

when retracted the cover is protected from the weather by the cassette, which encloses it completely

### Technical Specification

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

the extremely sturdy awning construction makes it possible to shade large areas of up to 16 m<sup>2</sup> safely

brackets with patented clip-on mechanism for simple, problem-free installation

manual operation by way of a markilux stainless steel winding handle (not available in tracfix units)

to simplify installation, a broad selection of brackets is available

### Accessories

tracfix system – attractive, completely closed appearance with no annoying gap between the blind cover and the tracks

hard-wired motor drive (optionally with automatic weather sensors) for straight-forward operation by means of a wall switch

radio-controlled motor with radio remote control for ease of use

awning available in non-standard RAL colours

various lighting choices are optionally available in energy-saving LED technology and create an engaging atmosphere:

- LED line in the lateral guide tracks
- LED line in the cover support tube
- LED spotlights in the cover support tube
- LED spotlights at the cover cassette

# Lighting options

01



LED line in the guide tracks and cover support tube



LED line in the guide tracks and LED spotlights in the cover support tube

02

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LED line in the guide tracks with cover support by way of a stainless steel wire

view from inside



LED line in the guide tracks with cover support by way of a stainless steel wire

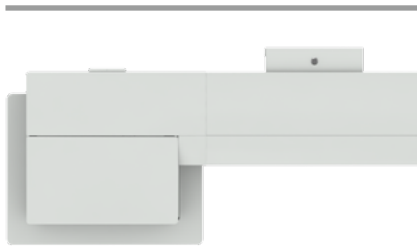
view from outside

07

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clever and attractive power supply solution if lighting is fitted



LED spotlights at the cover cassette

11

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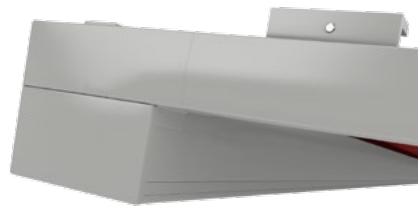
Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

## 01 Frame colours

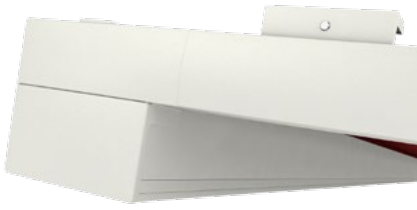
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traffic white  
RAL 9016



metallic aluminium  
RAL 9006



off-white textured finish  
5233



stone grey metallic  
5215



anthracite metallic  
5204



Havana brown  
textured finish  
5229



grey brown, similar  
to RAL 8019

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

# Dimensions and configuration options

		150	200	250	300	350	400	450	500	550	600		
		60 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600		
M	+ 5,4												
	150 <sup>1)</sup>											60 / 67 <sup>1)</sup>	70 / 76 <sup>1)</sup>
	200 <sup>1)</sup>												
	250 <sup>1)</sup>										2)		
	300 <sup>1)</sup>								2)	2)	2)	107 <sup>3)</sup>	107 <sup>3)</sup>
	350 <sup>1)</sup>						2)	2)	2)	2)	2)		
	400 <sup>1)</sup>	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)		
	450	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)		
	500	2)	2)	2)	2)	2)	2)	—	—	—	—		
	550	2)	2)	2)	2)	2)	2)	—	—	—	—		
600	2)	2)	2)	2)	2)	2)	—	—	—	—			

=     
 =     
 = 1 cover supports consisting of a stainless steel wire

dimensions in cm

- 1) tracfix (optional). **tracfix awnings** are **only available with motor**
- 2) these sizes meet wind resistance class 2,  
all sizes that have not been marked in this way meet wind resistance class 3
- 3) from an extension of 281 cm

### Operation / Drive unit

	Standard	Optional
manual operation	<input checked="" type="checkbox"/> <sup>5)</sup>	—
hard-wired motor	<input checked="" type="checkbox"/> <sup>6)</sup>	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
io Radio control	—	<input checked="" type="checkbox"/>

- 5) not available in tracfix units
- 6) in tracfix units

### Frame colours

	Standard	Optional
traffic white RAL 9016		
metallic aluminium RAL 9006		
grey brown similar to RAL 8019		
off-white textured finish* 5233		
stone grey metallic* 5215		
anthracite metallic* 5204		
Havana brown textured finish* 5229		
non-standard powder-coated finish		

\* = textured finish

### Radio-controlled LED lighting

	Radio RTS (433 MHz)	Radio io (868 MHz)
LED spotlights	on / off / dimmable	on / off / dimmable
LED line	<b>standard</b>	<b>optional</b>

= motor     
 = radio-controlled motor (433 MHz)     
 MA = awning fixture width  
 = no. of brackets per track     
 MA min. = minimum fixture width  
 M = overall width  
 H = extension

## 01 Additional Information

The width of the awning cover is always **less** than that of the awning.

**Fixture / order width definition:** The order width is the awning fixture width i.e. the measurement from fixture point to fixture point underneath the glass canopy. The overall width is larger than the fixture width (see matrix). The tolerance in the width is + 5 mm / - 10 mm.

**Definition of the extension:** The extension is measured from the back of the cassette to the leading edge of the guide track.

This model is only available as a **single unit**.

**Definition of operating side:** the operating side is always

given as if seen from the outside looking towards the cassette (right or left).

**N.B!** If the **motor is used continuously** it will **stop automatically** after 3 to 4 minutes **to prevent overheating**.

The **rate of extension** with either a hard-wired or a radio-controlled motor is approximately 14 seconds per metre.

Due to its own weight a certain amount of sag in the cover is possible. Depending on the size of the awning, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. Neither phenomenon has any negative effect on the function or operation of the awning if it has been fitted correctly.

### Covers

	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 3)	—
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 4)
Soltis 92		—	<input checked="" type="checkbox"/> 5)

1) without tracfix up to a max. extension of 450 cm (in tracfix units 400 cm) with vertical bonded seams

2) non-tracfix systems: available up to a fixture width of 400 cm, seamless up to an extension of 250cm, then with horizontal seam(s); tracfix systems: available in all tracfix sizes, seamless up to 400 cm x 250 cm, then with horizontal seam; from a fixture width of 401 cm in vertical panels approx. 122 cm wide

3) non-tracfix systems: available up to a maximum extension of 400 cm - then with lengthwise bonded seams; tracfix systems: available in all tracfix sizes, then with lengthwise bonded seams

4) up to a maximum fixture width of 400 cm and a maximum extension of 400 cm, depending on the width and unit extension with horizontal bonded seam; from a fixture width of 401 cm a max. extension of 250 cm is available (seamless)

### Miscellaneous

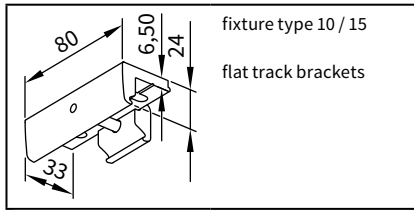
	Standard	Optional
tracfix	—	<input checked="" type="checkbox"/>
light sensor	—	<input checked="" type="checkbox"/>

### Dimensions and tolerances

	Width	Nominal extension
housing tolerances	+ 5 / - 10 mm	—
awning cover width	<b>MA</b> - 93 mm	
awning cover length	<b>H</b> - 70 mm	

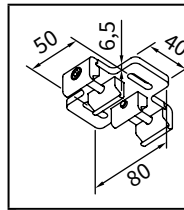
5) seamless up to an extension of 170 cm, then with horizontal seam(s)

Fixtures, fittings and accessories



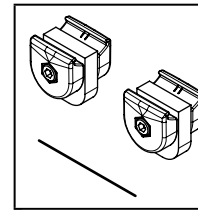
fixture type 10 / 15  
flat track brackets

78548.



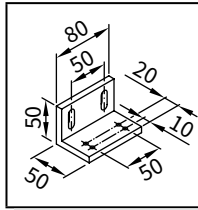
double track bracket  
flat  
2 single units

73627.



sprung bracket with  
stainless steel cover  
support wire  
depending on size  
included with  
the delivery

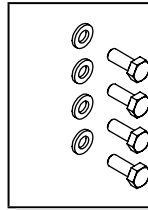
73639. und 771401



additional square  
bracket for the bearing,  
gearbox and motor  
sides

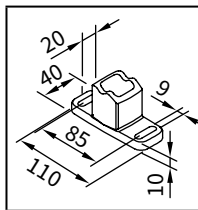
50 x 50 x 80 mm

78719.



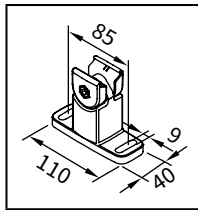
accessories for two  
square brackets 78719.

787211



footprint dimensions  
track bracket  
with adjustable head

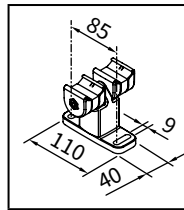
78719.



fixture type 20  
track bracket  
with adjustable head

80 mm

73624.

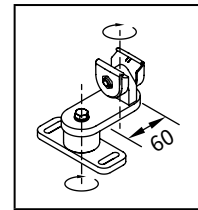


double track bracket  
with adjustable head

central bracket for  
2 single units next  
to each other

80 mm

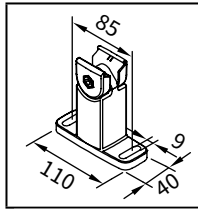
73631.



universal track bracket

80 mm

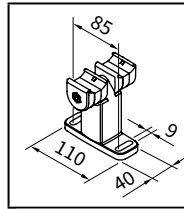
73629.



fixture type 21  
track bracket  
with adjustable head

100 mm

76046.

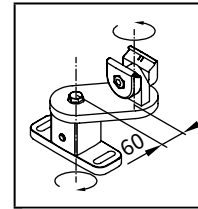


double track bracket  
with adjustable head

central bracket for  
2 single units next  
to each other

100 mm

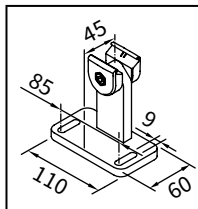
73634.



universal track bracket

100 mm

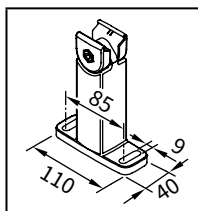
76054.



track bracket with  
adjustable foot plate

100 mm

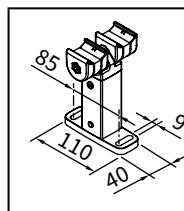
76199.



fixture type 22  
track bracket  
with adjustable head

140 mm

76048.



double track bracket  
with adjustable head

140 mm

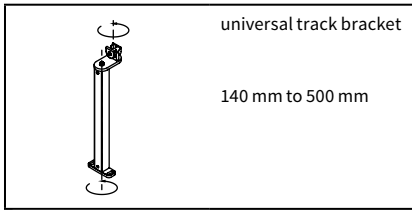
73636.

. = insert RAL colour code no

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**01 Accessories**

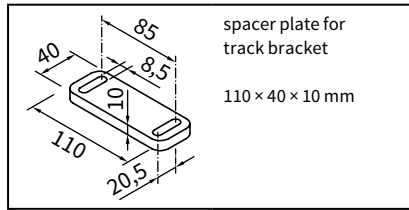
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universal track bracket

140 mm to 500 mm

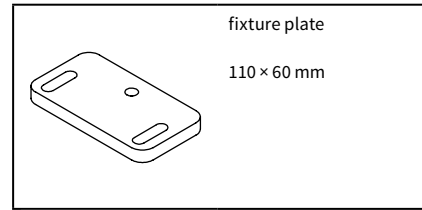
**76053.**



spacer plate for track bracket

110 × 40 × 10 mm

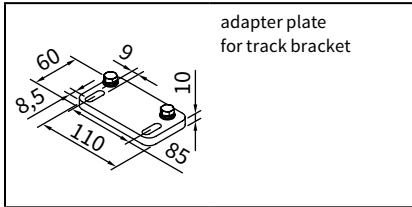
**78570.**



fixture plate

110 × 60 mm

**78158.**



adapter plate for track bracket

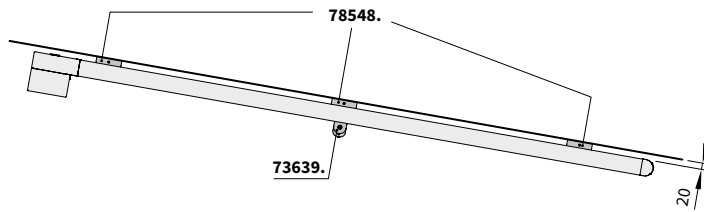
**78165.**

. = insert RAL colour code no

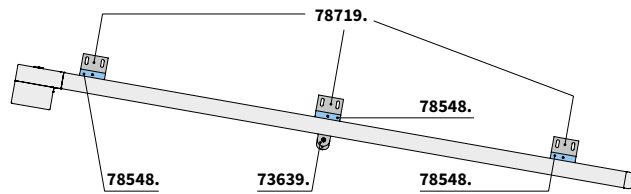
# Fixture combinations

All brackets incur a surcharge

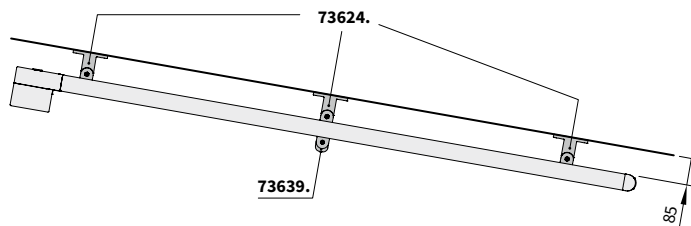
Fixture type  
**10**



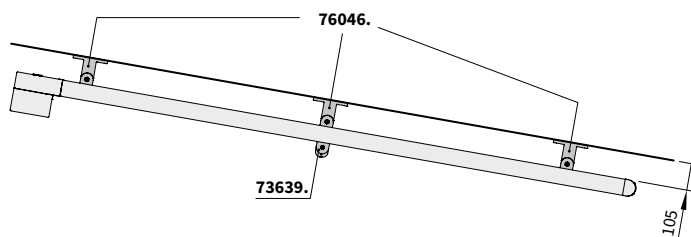
Fixture type  
**15**



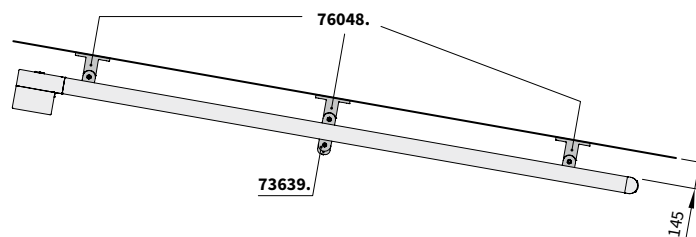
Fixture type  
**20**



Fixture type  
**21**



Fixture type  
**22**

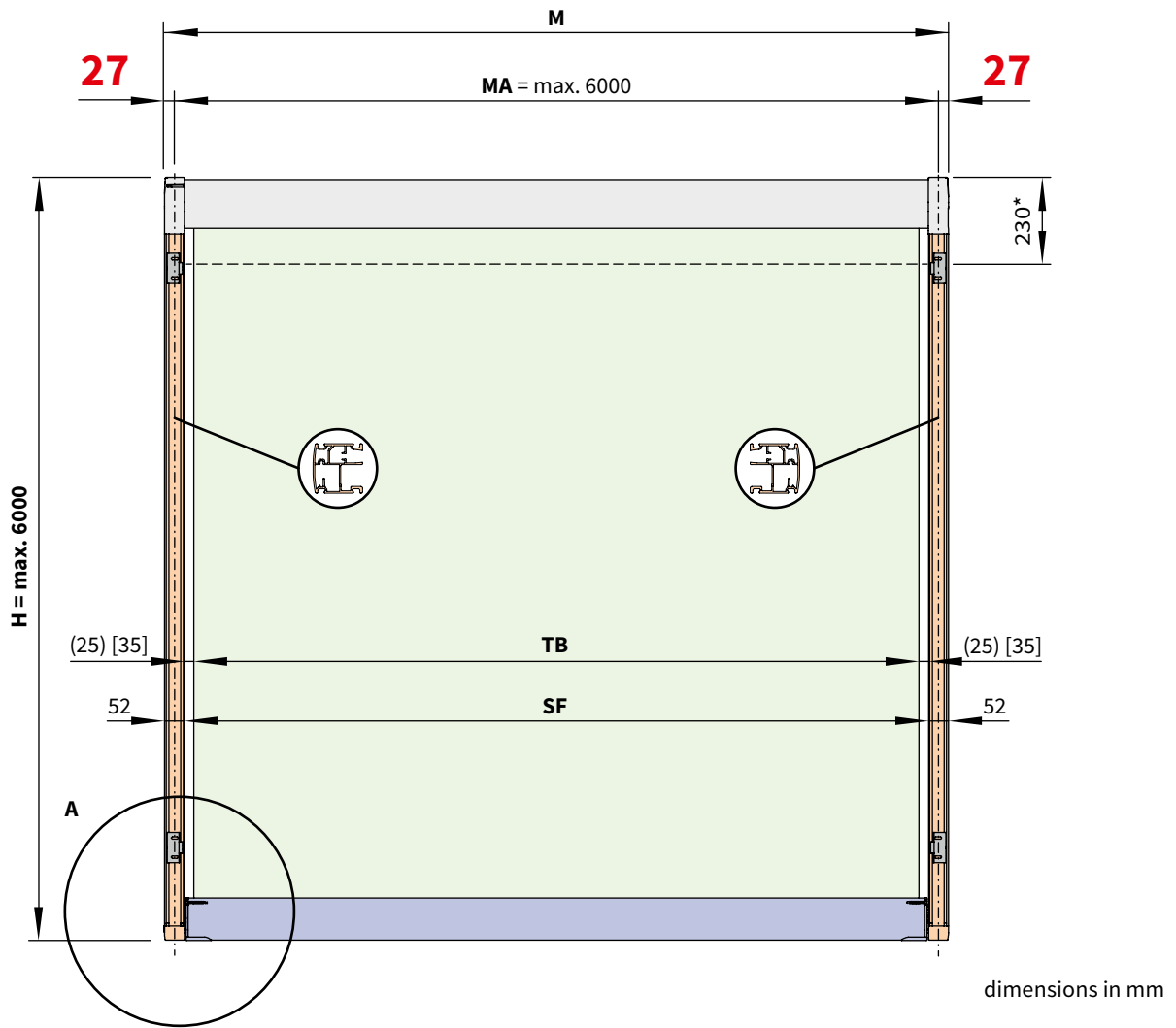


- for the required number of fixing brackets per guide track please refer to “Dimensions and feature options”
- for individual bracket combinations please refer to “Fixtures, fittings and accessories”
- the cover may sag during extension and retraction
- for the markilux 779 without tracfix system cover support wires and brackets are delivered, depending on the size; these brackets (part no. 73639.) have to be in the immediate vicinity of a fixture bracket
- the markilux 779 with tracfix system does not require any cover support wires

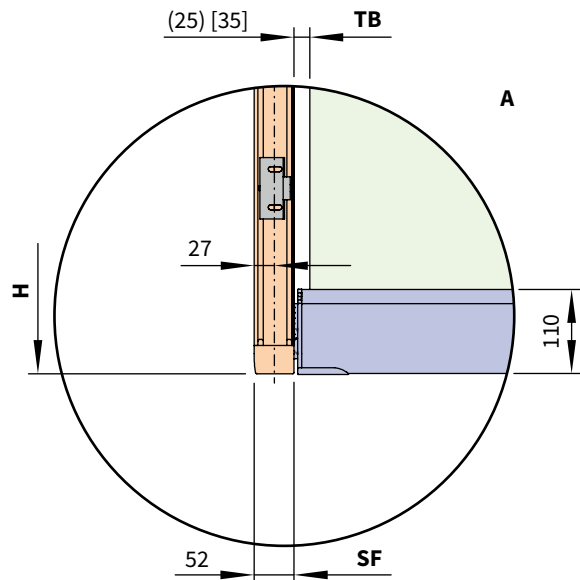
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# 01 Installation dimensions

## Dimension overview single unit, 1 motor



dimensions in mm



**H** = nominal extension = **order extension**

**M** = overall awning width

**MA** = awning fixture width = fixture width = **order width**

**TB** = cover width

**SF** = visible cover (in tracfix systems)

(...) = gap between cover and guide track (non-tracfix units)

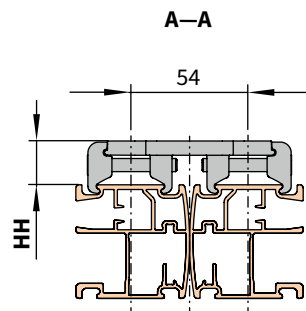
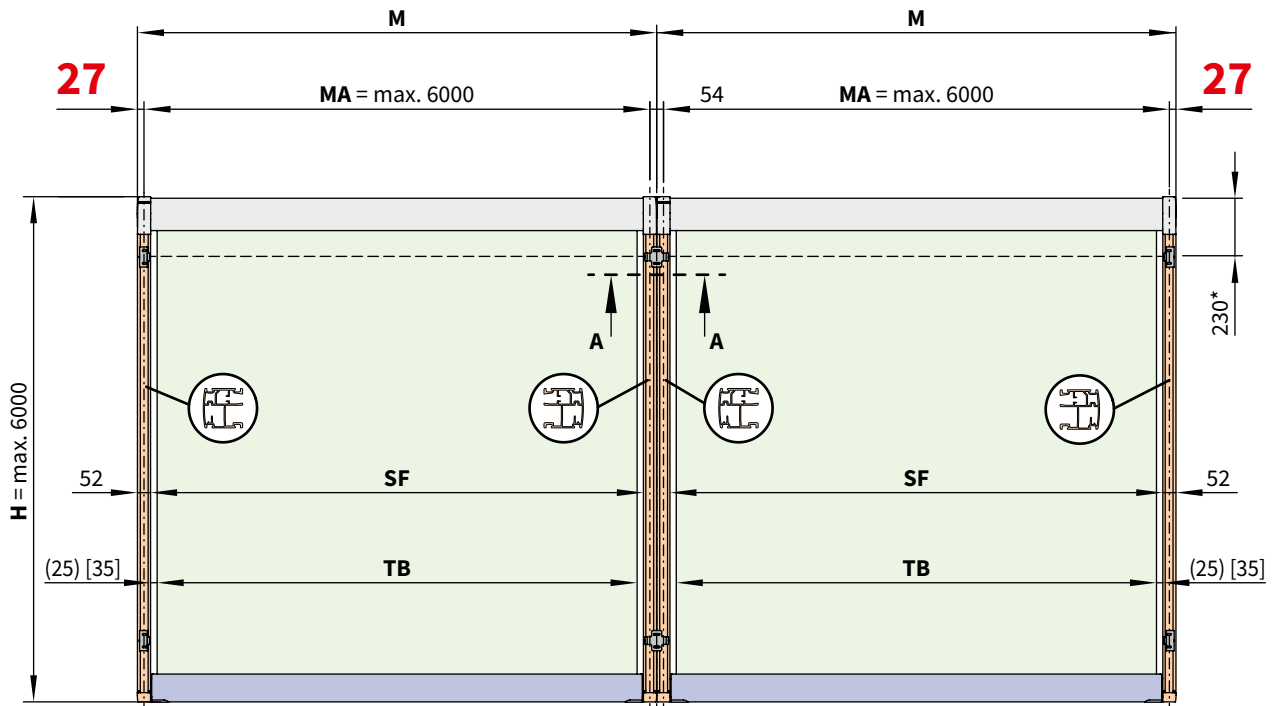
[...] = the gap between cover and guide track (non-tracfix units) in gearbox-operated units

\* = depth of cassette and front profile when the awning is retracted

# Installation dimensions

01

Dimensions in the case of 2 single units and 2 drive units (gearbox or motor)



dimensions in mm

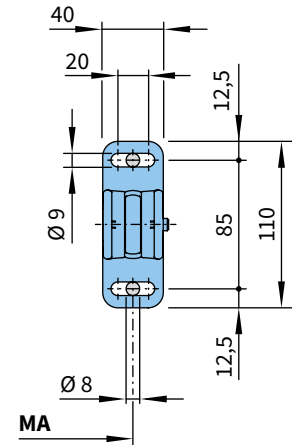
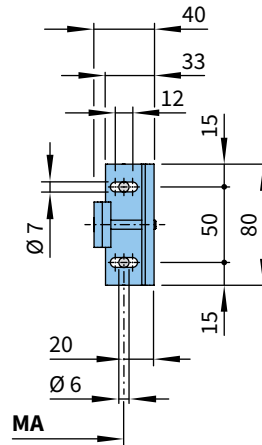
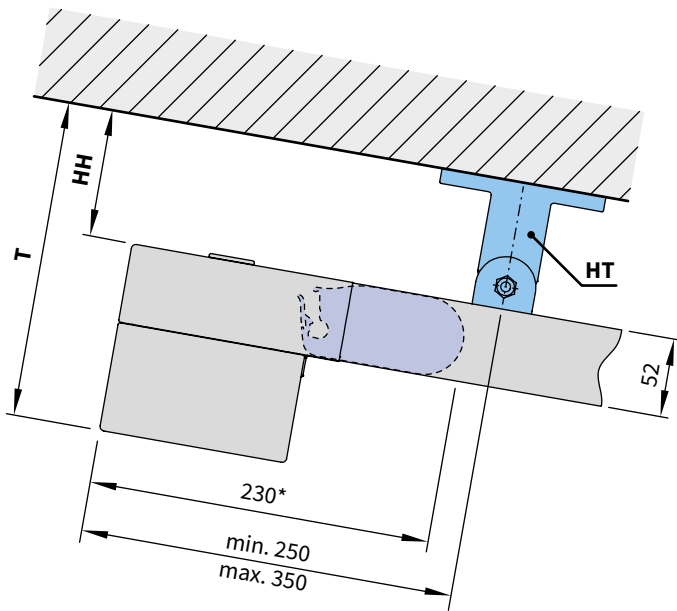
- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- TB** = cover width
- SF** = visible cover (in tracfix systems)
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = the gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \* = depth of cassette and front profile when the awning is retracted

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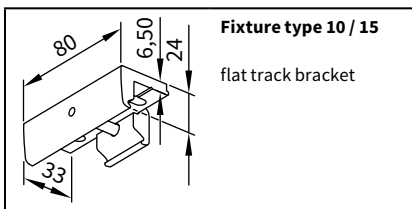
01 Dimensions overview

Fixture type 10

Fixture types 20, 21, 22



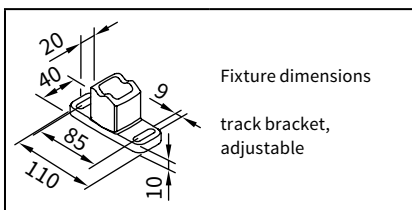
dimensions in mm



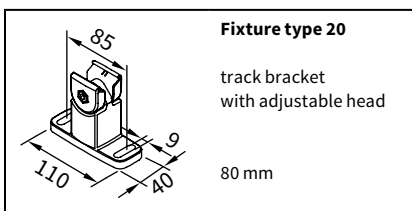
78548.

Fixture type	10	20	21	22
HT = bracket	<b>78548.</b>	<b>73624.</b>	<b>76046.</b>	<b>76048.</b>
HH = bracket height	20	85	105	145
T = overall height	150	215	235	275
MA = awning width/fixture width				

\* = dimension with the awning retracted

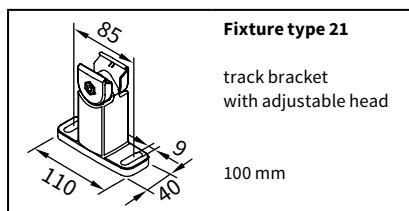


Fixture dimensions  
track bracket,  
adjustable



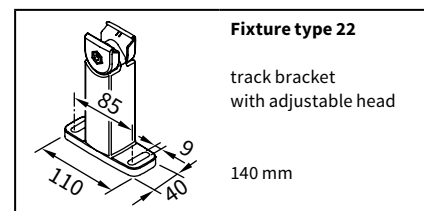
Fixture type 20  
track bracket  
with adjustable head  
80 mm

73624.



Fixture type 21  
track bracket  
with adjustable head  
100 mm

76046.



Fixture type 22  
track bracket  
with adjustable head  
140 mm

76048.

\* = dimension with the awning retracted

HH = bracket height (for dimensions please refer to "Dimension overview of fixture types 10, 20, 21 and 22")

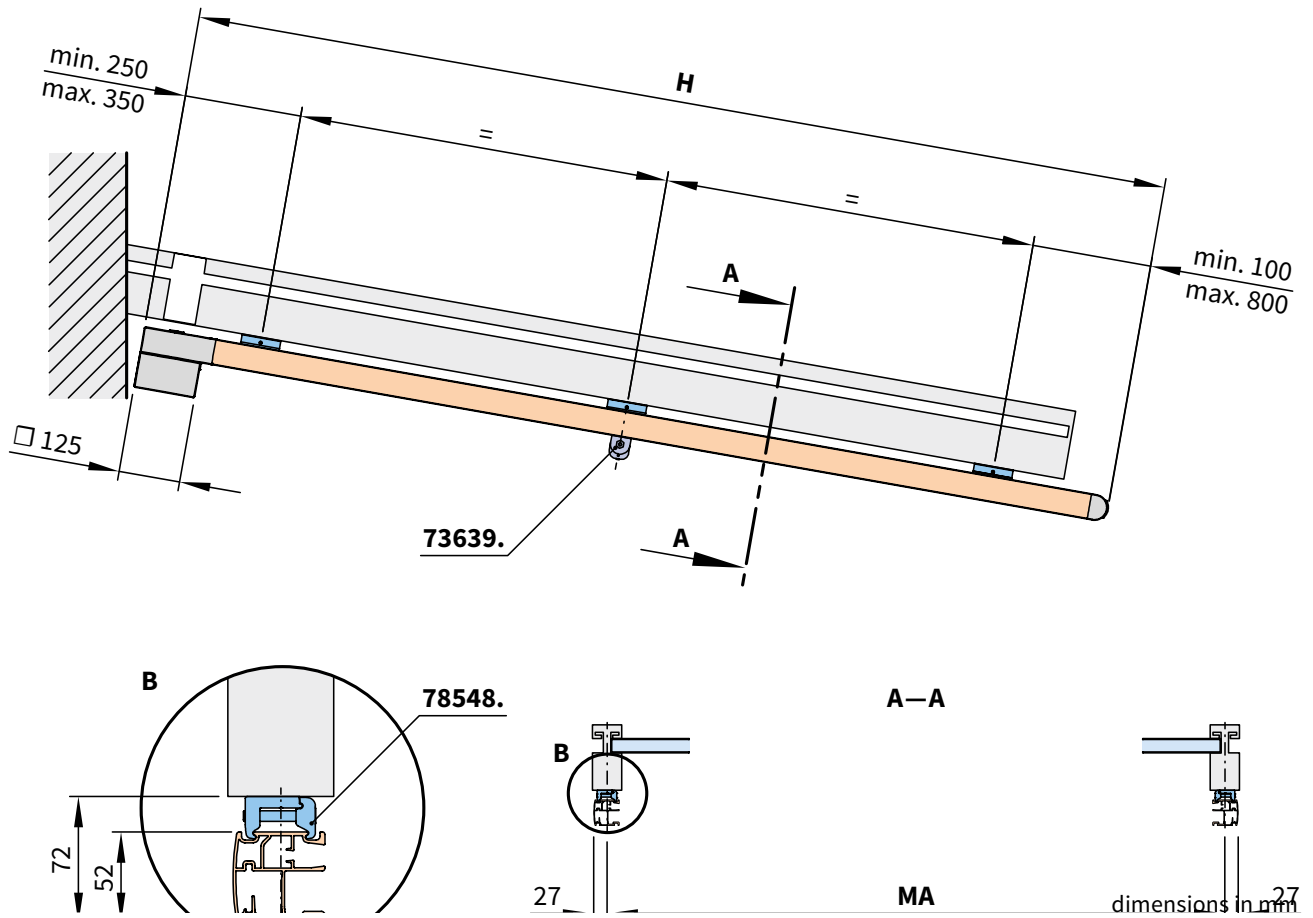
HT = bracket

MA = awning fixture width = fixture width = **order width**

T = overall height

# Installation dimensions

## Dimension overview fixture type 10

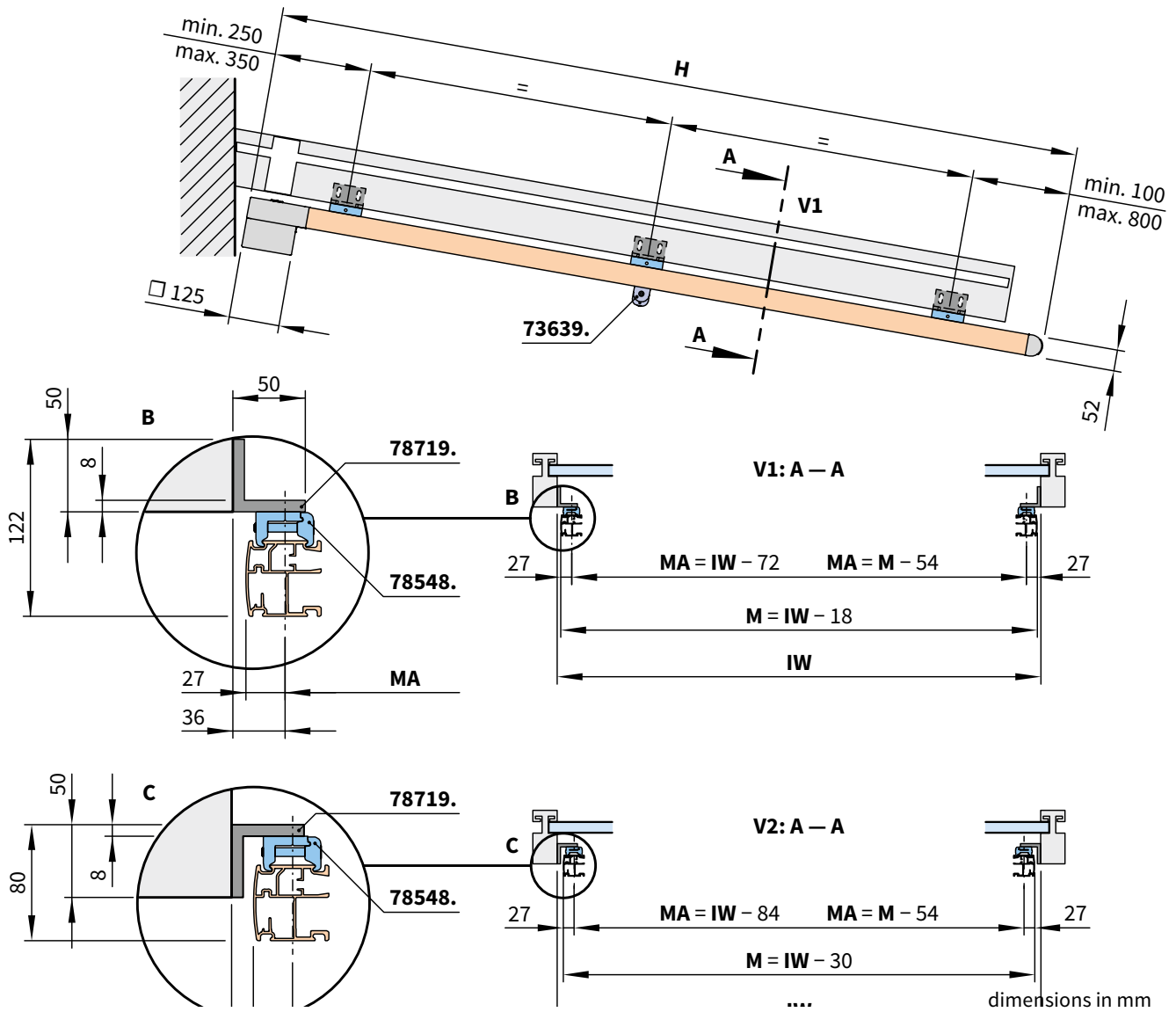


- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- BW** = width between fixture points on the conservatory

01  
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# 01 Installation dimensions

## Dimension overview fixture type 15



- H** = nominal extension = **order extension**
- IW** = interior conservatory dimension
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- V1, V2** = versions 1 und 2

# Installation dimensions

Fixture types 20, 21, 22

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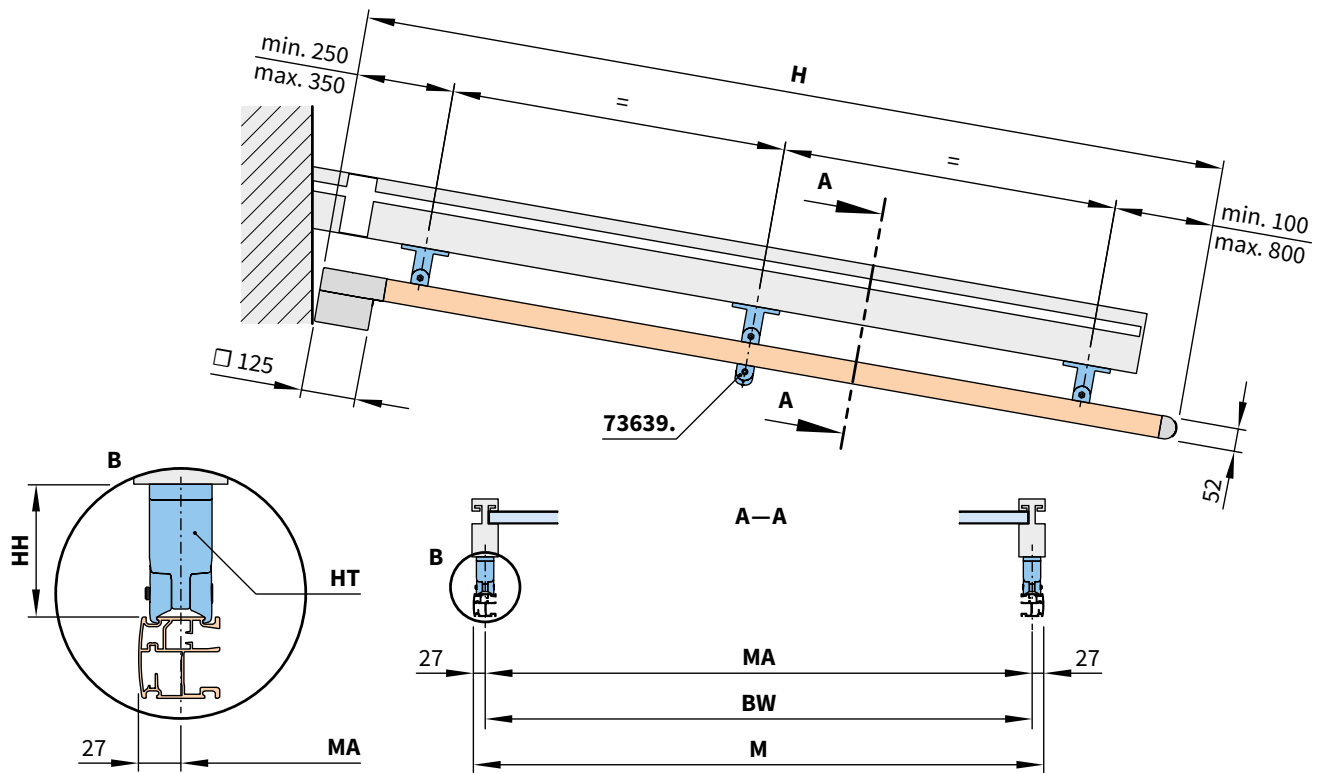
11

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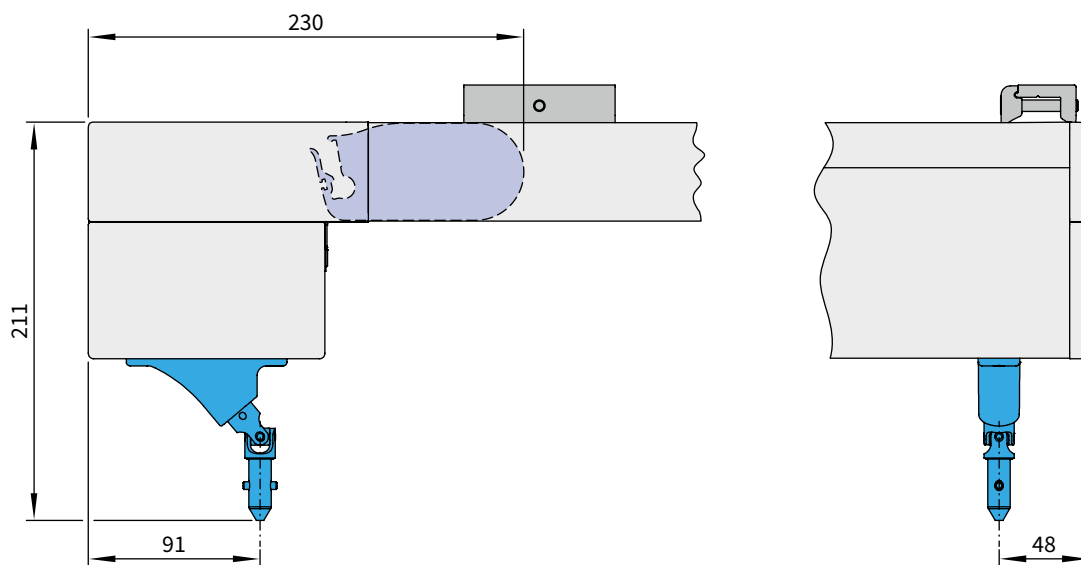


dimensions in mm

- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- BW** = width between fixture points on the conservatory
- HT** = bracket
- HH** = bracket height (for dimensions please refer to "Dimension overview of fixture types 10, 20, 21 and 22")

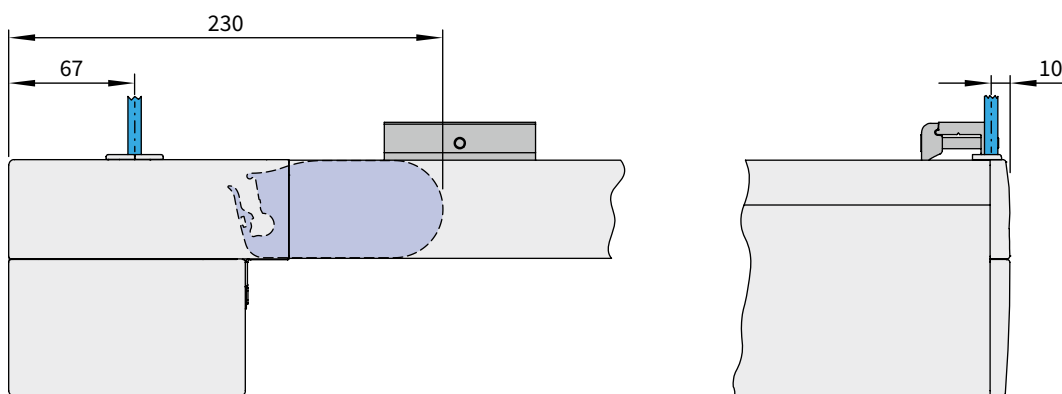
# 01 Installation dimensions

## Dimensions in the case of manual operation



dimensions in mm

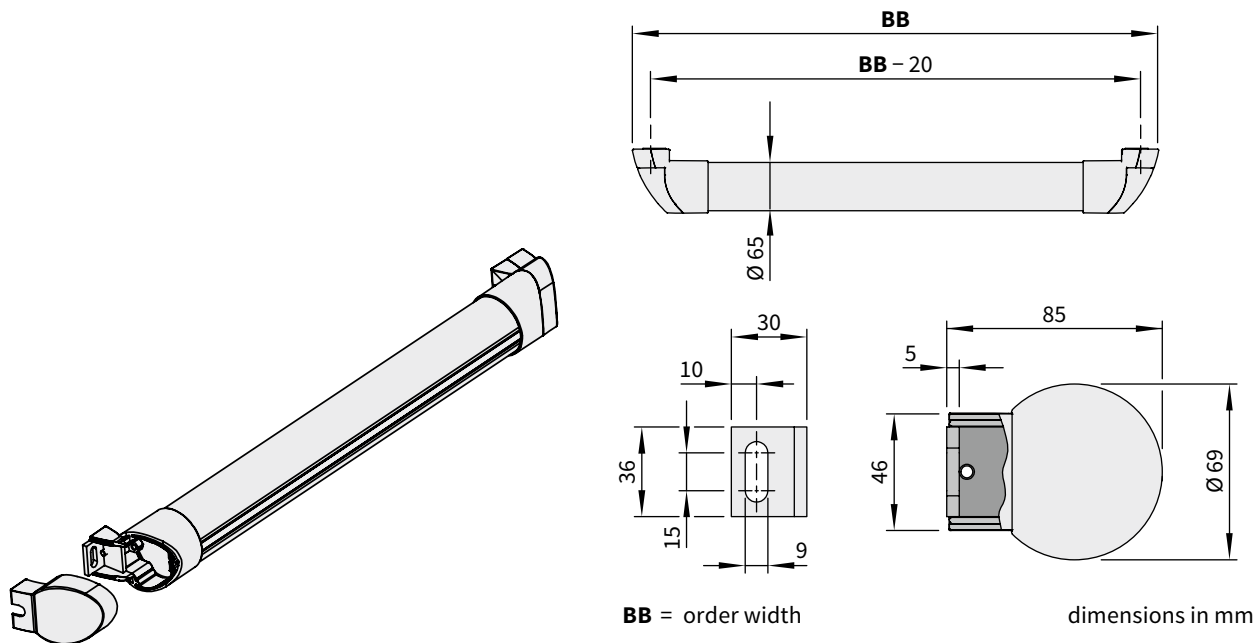
## Cable exit point in the case of motor-driven units



dimensions in mm

E-box – Dimensions and types

01



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11

Designation	Number	BB [mm]
<b>E-box K</b>	73831.	690
<b>E-box M</b>	73833.	1240
<b>E-box G</b>	73835.	1890
<b>E-box L</b>	73873.	2000
<b>E-box I</b>	73837.	individual

12

13

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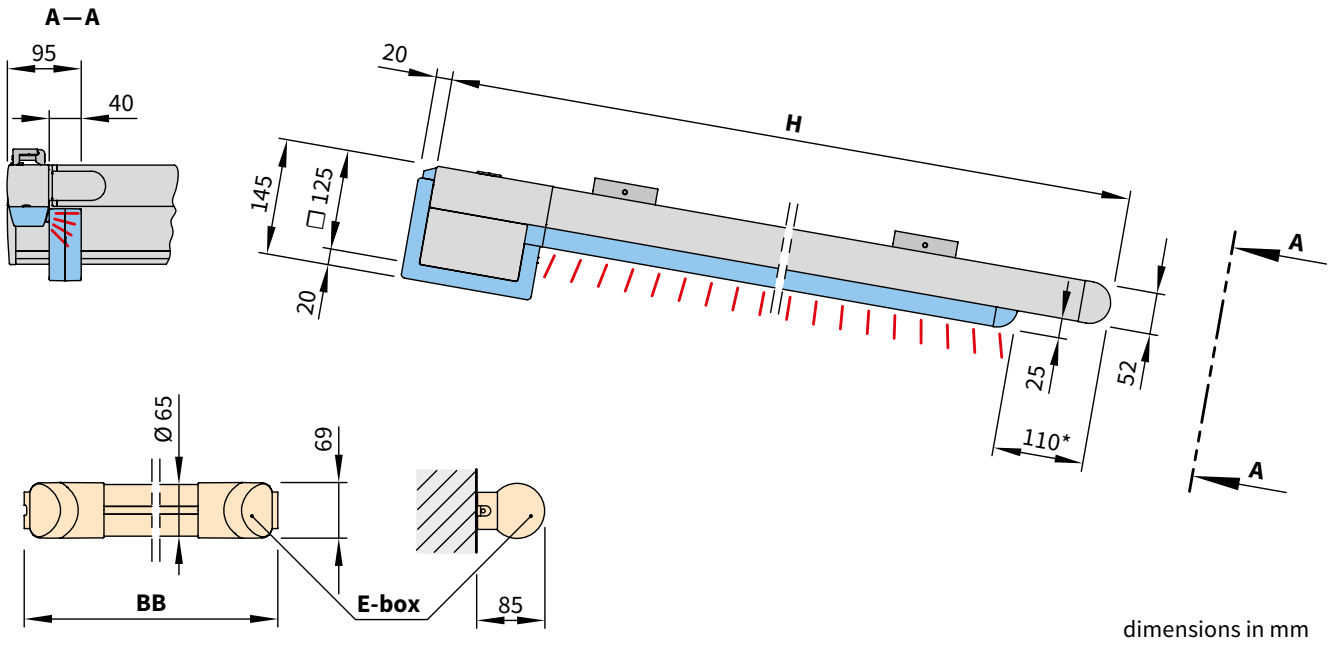
15

Radio technology	RTS		io	
	≤ 329	≥ 330	≤ 329	≥ 330
Nominal extension H [cm]	↓	↓	↓	↓
<b>Lighting options*</b>				
<b>LED line in the guide tracks</b> (with or without cover support wire)	<b>K</b>	<b>M</b>	<b>M</b>	<b>G</b>
<b>LED spotlights</b> at the cover cassette	<b>K</b>	<b>K</b>	<b>M</b>	<b>M</b>
<b>LED line</b> in the guide tracks and <b>LED spotlights</b> at the cover cassette	<b>M</b>	<b>G</b>	<b>G</b>	<b>L</b>

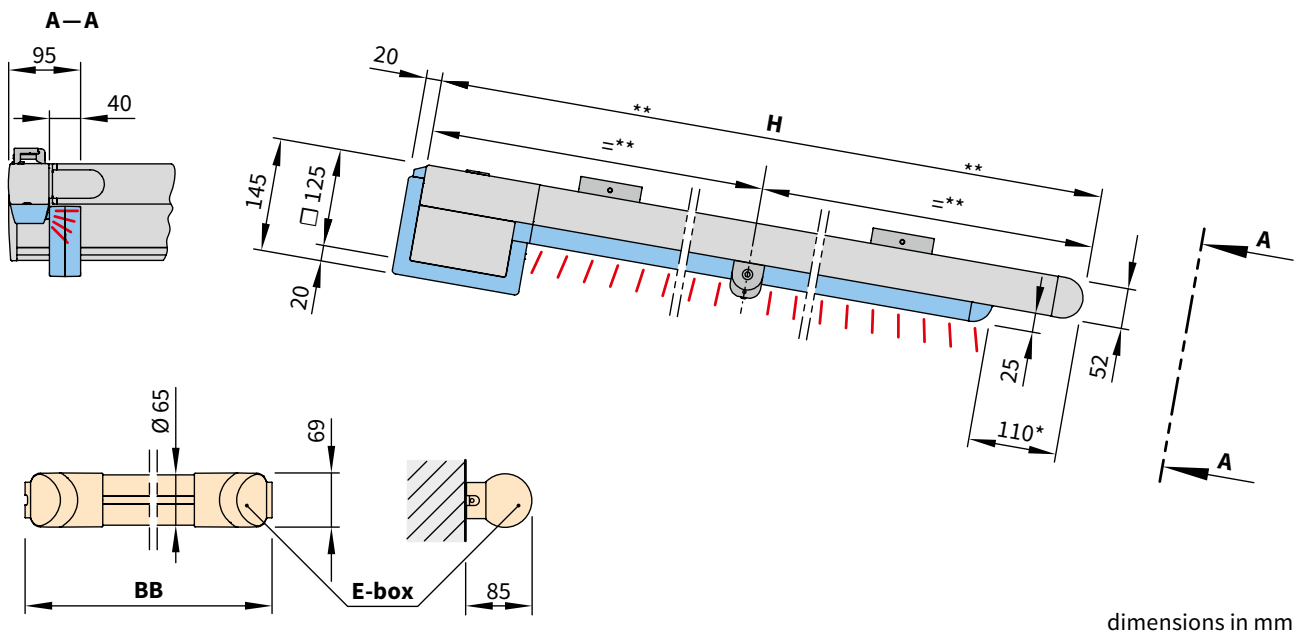
\*With these lighting options the E-box is included in the delivery, if the awning is not equipped with a support tube.

# 01 Lighting options

## Version 1: LED line in the guide tracks, electronics in an E-Box



## Version 1a: LED line in the guide tracks, electronics in an E-Box, cover supported by stainless steel wire



\* = 110 mm standard, 36 mm optional

\*\* = cover support wire centred (standard), other positions are possible on request

BB = order width

E-box = please refer to the "Overview of E-box dimensions"

H = nominal extension = order extension

# Lighting options

01

Version 2: LED line in the guide tracks and LED line in the cover support tube, electronics in the cover support tube

02

03

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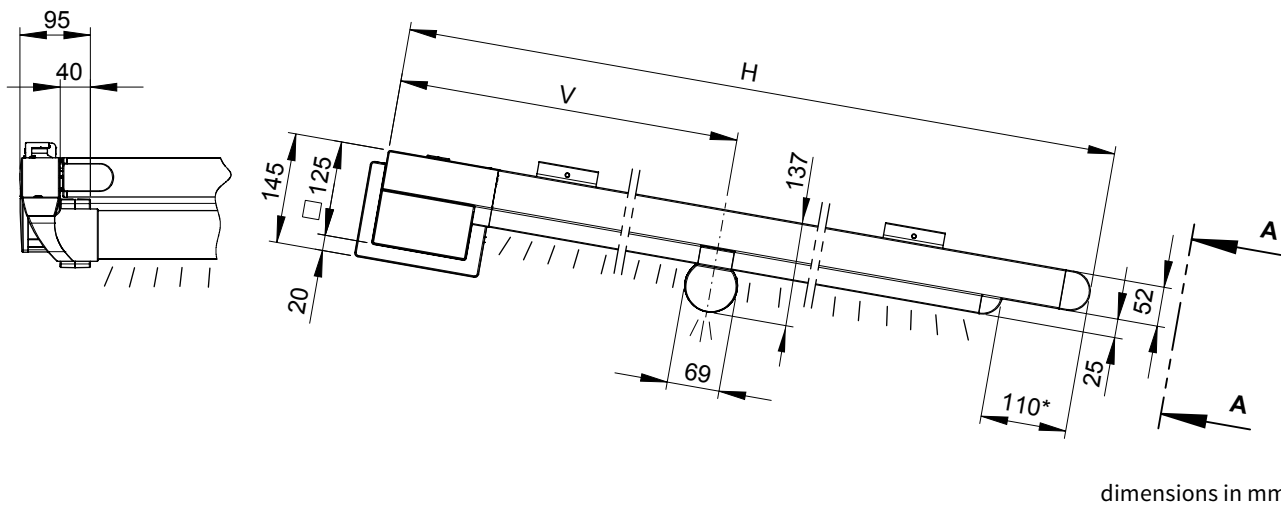
07

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A - A



dimensions in mm

11

12

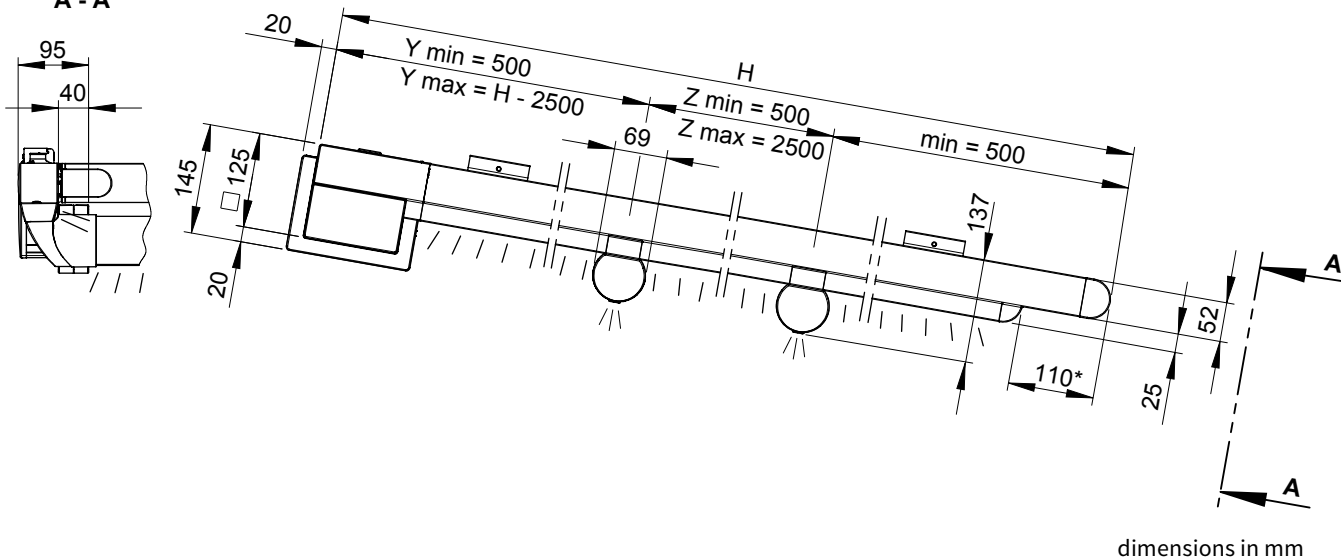
Version 2a: LED line in the guide tracks, LED line in two cover support tubes, electronics in the cover support tube

13

14

15

A - A



dimensions in mm

\* = 110 mm standard, 36 mm optional

H = nominal extension = **order extension**

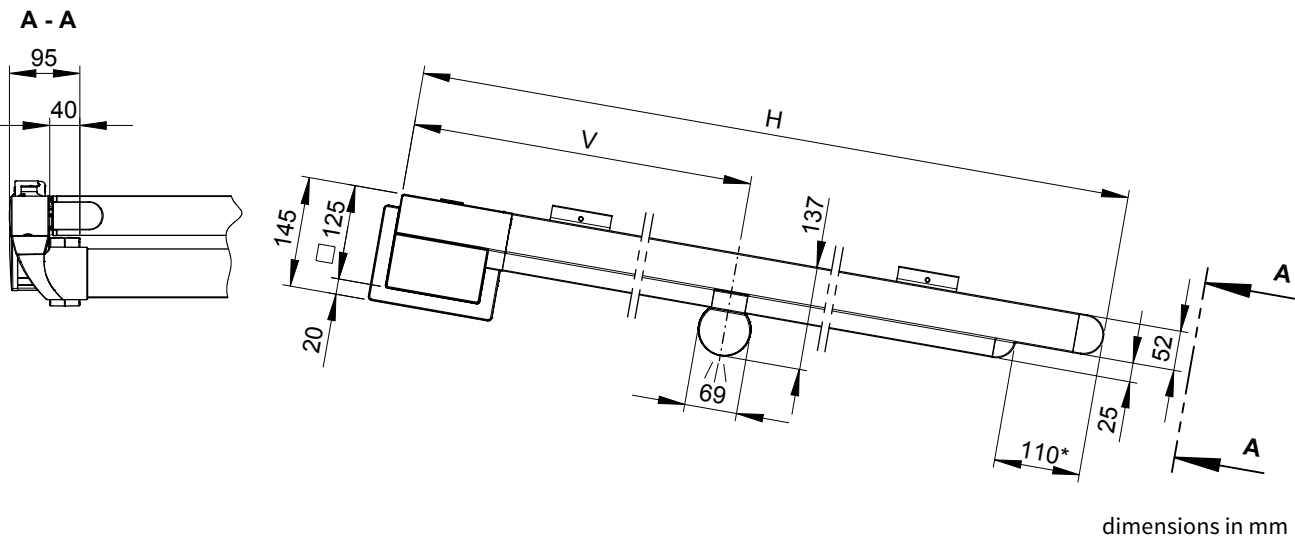
V = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering ( $V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$ )

Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

# 01 Lighting options


Version 3: LED line in the cover support tube, electronics in the cover support tube



## Technical data markilux LED line

operating voltage	230 V, 50 Hz
power output per metre	10 W
light source	LED (12 V)
number of LEDs	120 pcs / m
number of transformers	1 piece
light temperature	3200 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	ca. 15.000 h


K O ( H\* LFD

 This luminaire contains built-in LED lamps.

**A++**  
**A+**  
**A**  
**B**  
**C**  
**D**  
**E**

} LED

The lamps cannot be changed in the luminaire.

874/2012 

\* = 110 mm standard, 36 mm optional

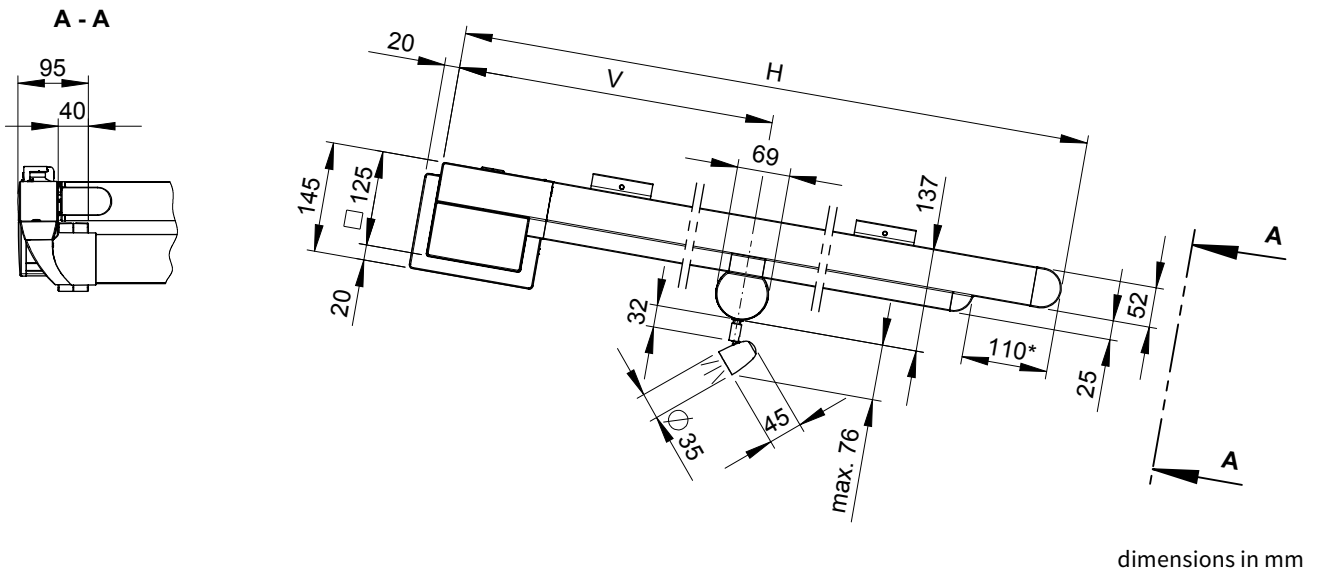
V = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering (V min. = 500 mm. V max. = H - 500 mm)

H = nominal extension = **order extension**

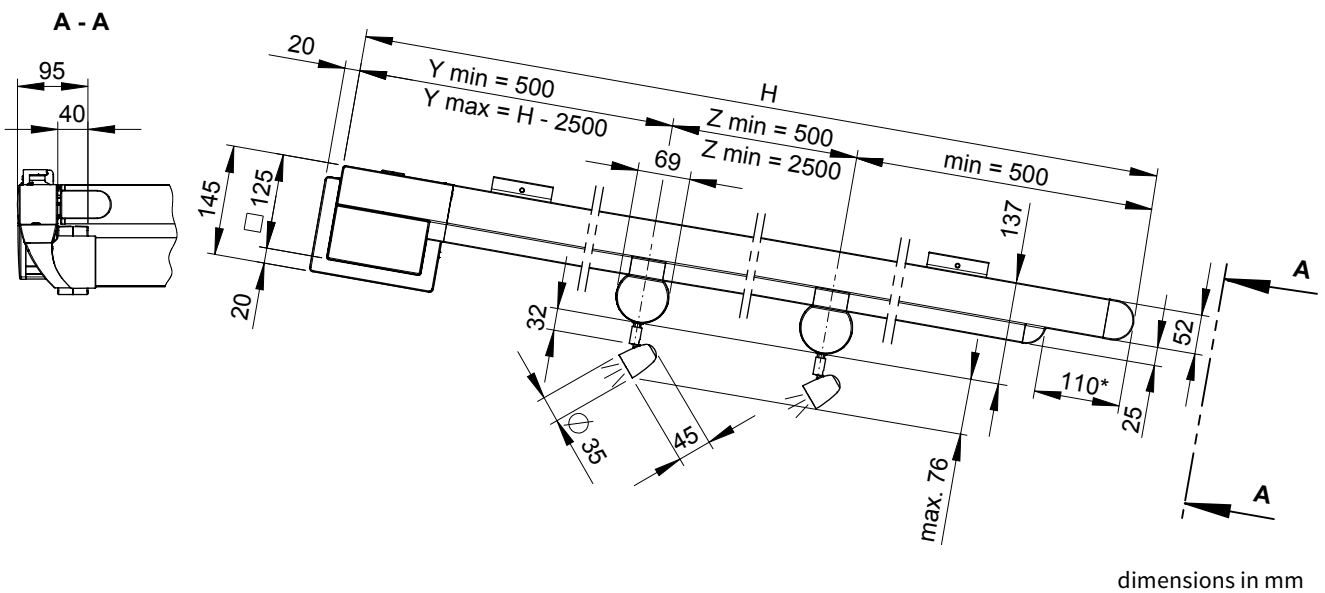
# Lighting options

01

## Version 4: LED spotlights in the cover support tube, electronics in the cover support tube



## Version 4a: LED spotlights in two cover support tubes, electronics in the cover support tubes



\* = 110 mm standard, 36 mm optional

V = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering ( $V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$ )

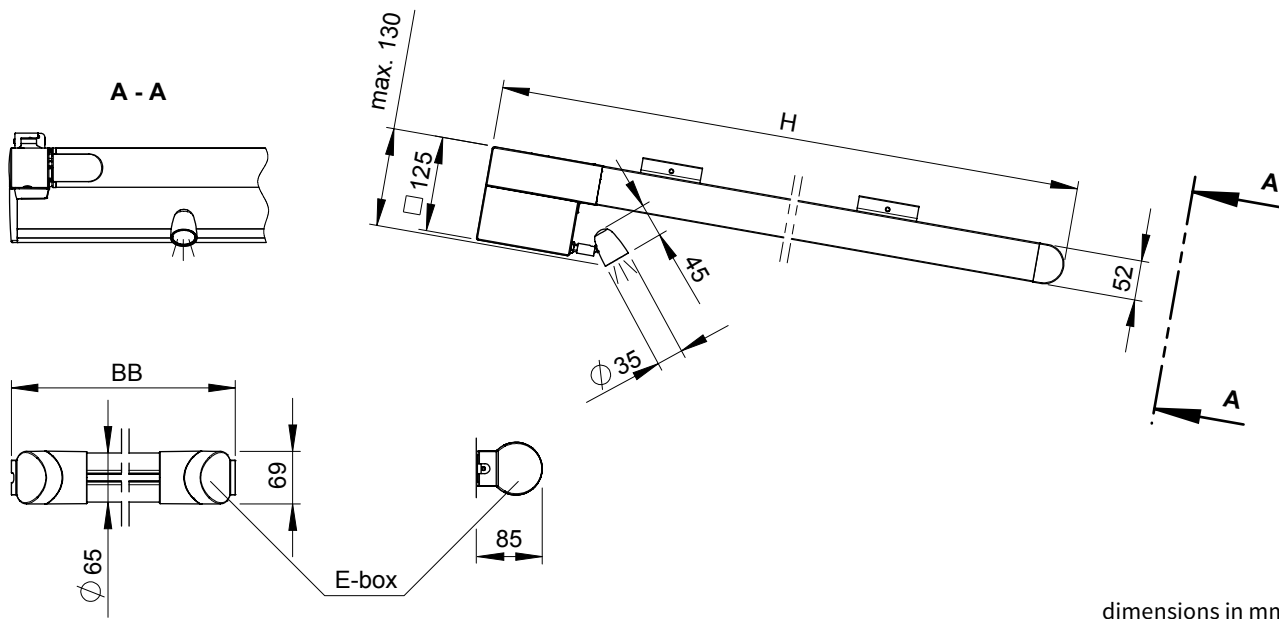
H = nominal extension = **order extension**

Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

# 01 Lighting options

Version 5: LED spotlights at the cover cassette, electronics in an E-Box



dimensions in mm

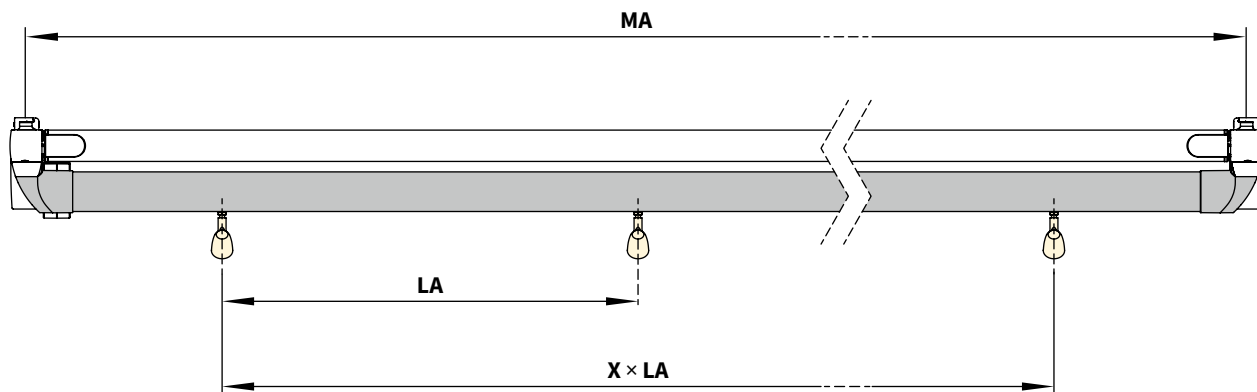
**BB** = order width

**E-box** = please refer to the "Overview of E-box dimensions"

**H** = nominal extension = **order extension**

# Lighting options

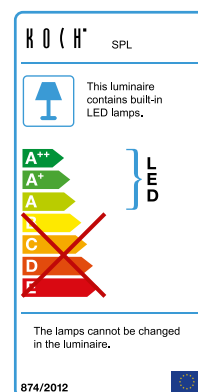
## Possible number of LED spotlights



### Technical data markilux LED spotlights

MA (mm)	Number of spotlights	LA (mm)
1500–2500	3	650
2501–3000	3	980
3001–3500	3	980
3501–4000	4	980
4001–4500	4	980
4501–5000	5	980
5001–5500	5	980
5501–6000	6	980

operating voltage	230 V, 50 Hz
power output per spotlight	5 W
light source	LED (12 V)
number of transformers	1 piece
Light temperature	2700 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	approx. 20,000 h



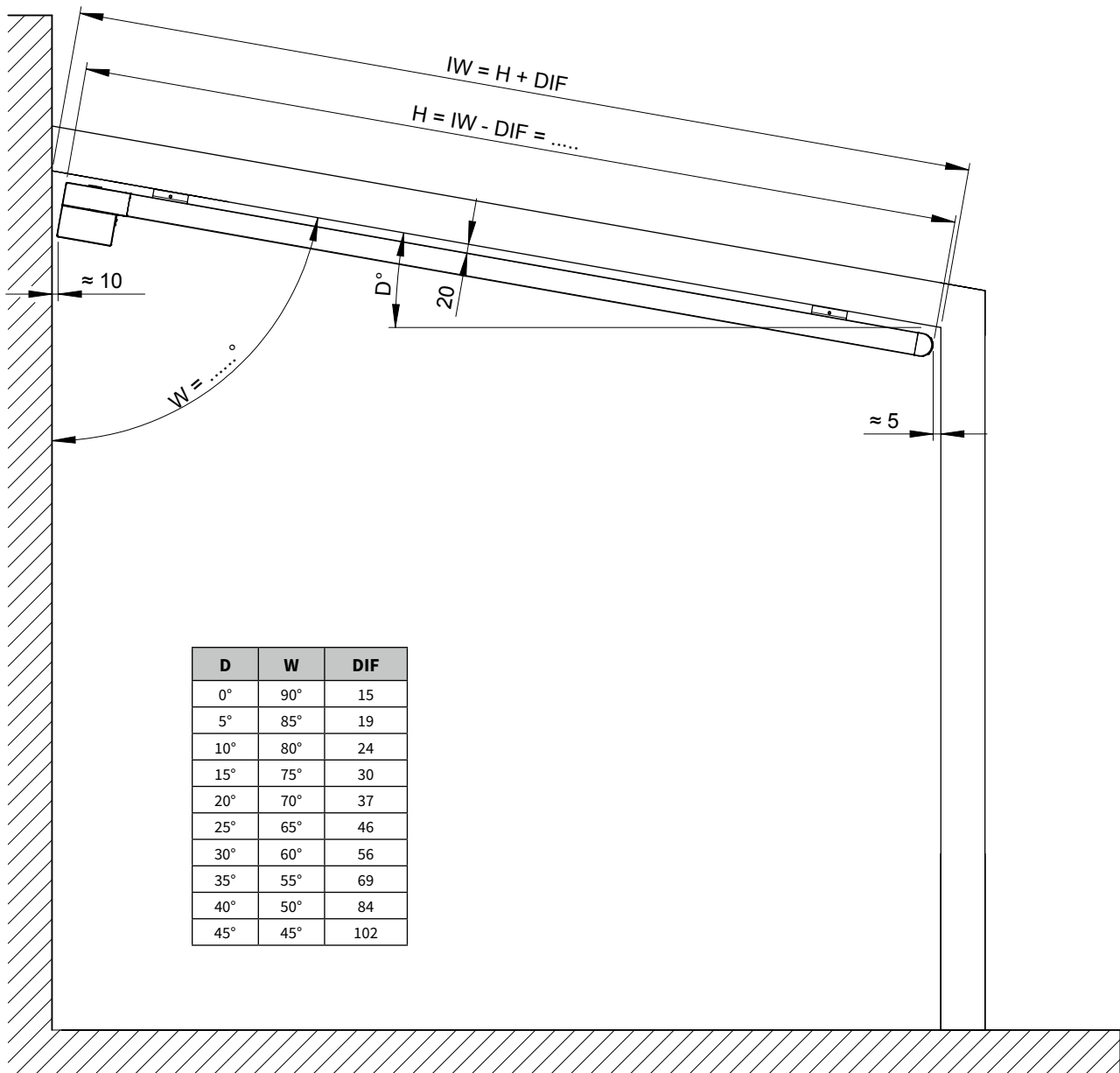
**MA** = awning fixture width = fixture width = **order width**

**LA** = spotlight separation

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# 01 Installation dimensions

Orders are to be submitted with all the dimensions shown in the diagram

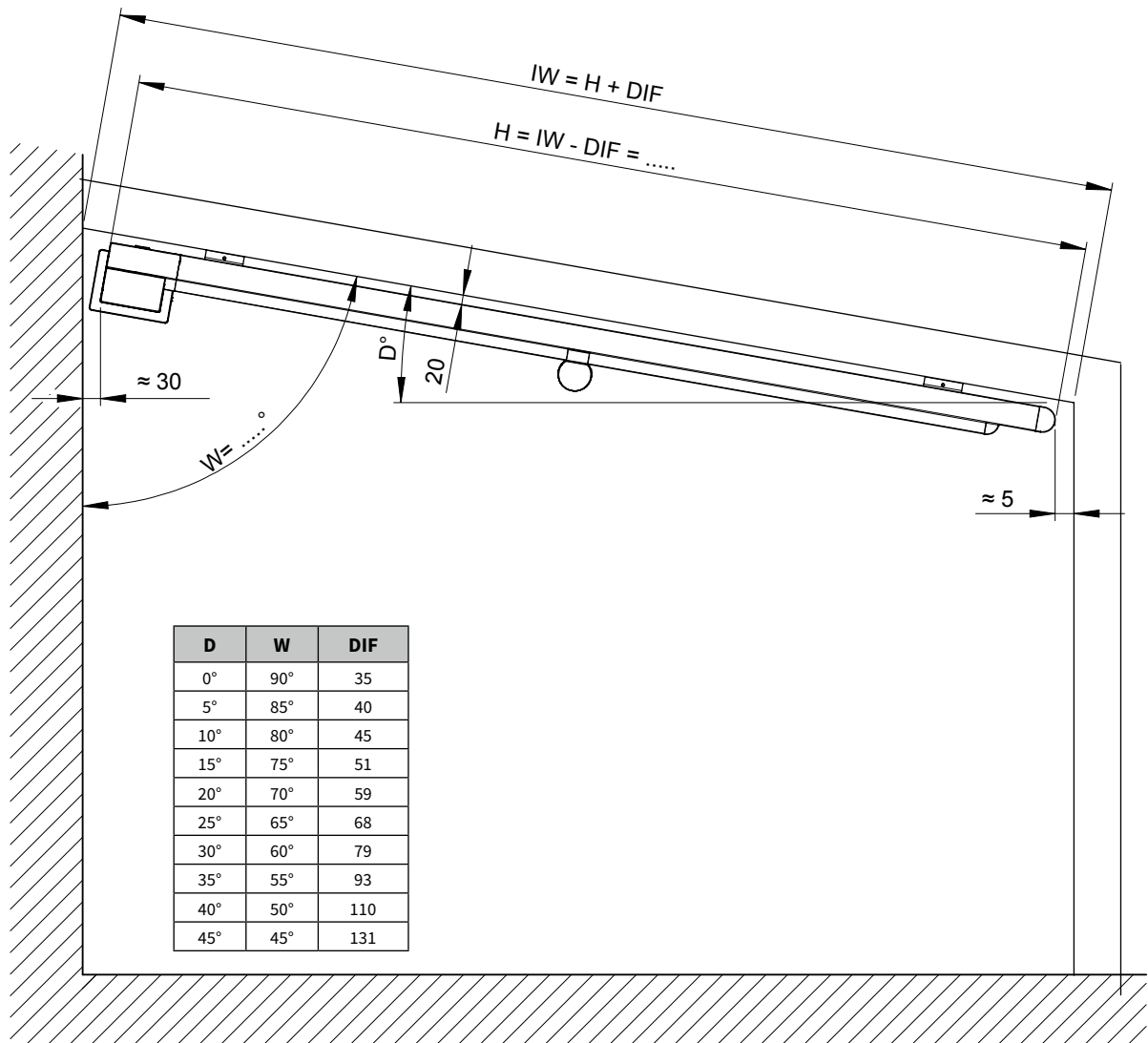


dimensions in mm

- H** = nominal extension = **order extension** =  $IW - DIF$  (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)
- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to extension **H**

# Installation dimensions for lighting options

Orders are to be submitted with all the dimensions shown in the diagram



dimensions in mm

- H** = nominal extension = **order extension** = IW - DIF (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)
- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to extension H

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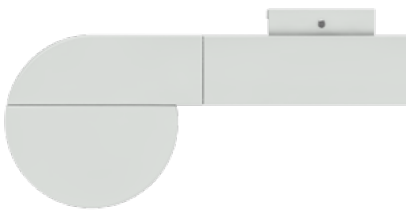


## **markilux 879 / 879 tracfix**

**Form and Function in Perfect Harmony – the underglass awning for large surface areas. Ingeniously designed – shades the area under your glass canopy perfectly**

01 **Special features**

02



side view  
motor-operated unit



the front profile finishes flush with the guide tracks when fully extended

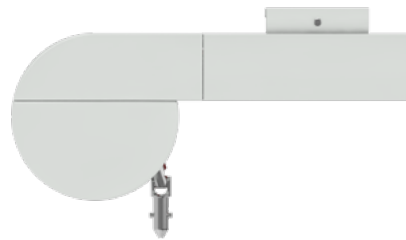
03

04

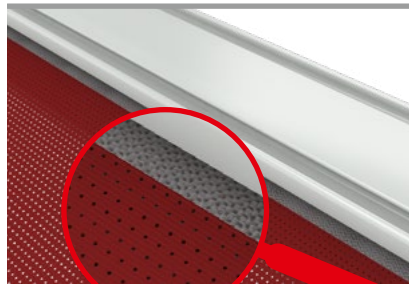
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side view  
manual operation



units with the optional tracfix system have no annoying gap between the cover and the guide track

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**Design Features**

beautifully crafted, round aluminium cassette

the round cassette and square guide tracks harmonise perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

the panel joints of the awning cover are ultrasonically bonded – giving an improved appearance without bothersome stitching

when retracted the cover is protected from the weather by the cassette, which encloses it completely

**Technical Specification**

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

the extremely sturdy awning construction makes it possible to shade large areas of up to 24 m<sup>2</sup> safely

brackets with patented clip-on mechanism for simple, problem-free installation

manual operation by way of a markilux stainless steel winding handle (not available in tracfix units)

to simplify installation, a broad selection of brackets is available

**Accessories**

tracfix system – attractive, completely closed appearance with no annoying gap between the blind cover and the tracks

hard-wired motor drive (optionally with automatic weather sensors) for straight-forward operation by means of a wall switch

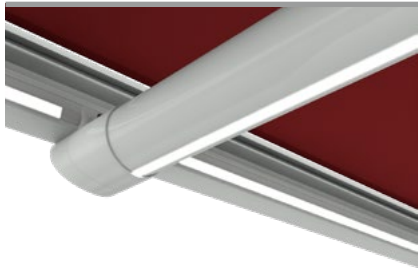
radio-controlled motor with radio remote control for ease of use

awning available in non-standard RAL colours

various lighting choices are optionally available in energy-saving LED technology and create an engaging atmosphere:

- LED line in the lateral guide tracks
- LED line in the cover support tube
- LED spots in the cover support tube

# Lighting options



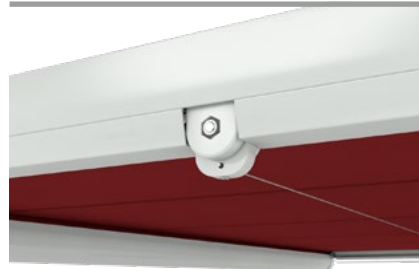
LED line in the guide tracks and cover support tube



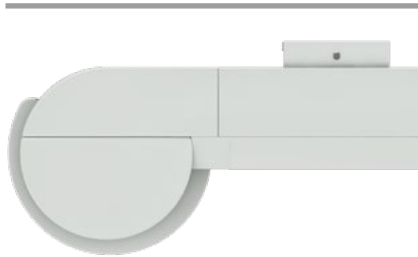
LED spotlights in the cover support tube



LED line in the guide tracks with cover support by way of a stainless steel wire  
view from inside



LED line in the guide tracks with cover support by way of a stainless steel wire  
view from outside



clever and attractive power supply solution if lighting is fitted



if lighting is fitted without the necessity for a cover support tube, the electronic components are hidden away in an E-box

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01 **Frame colours**

**02**

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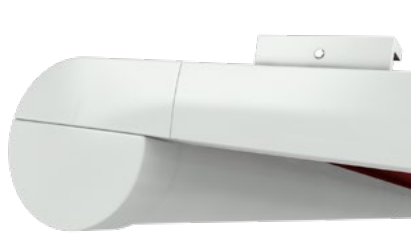
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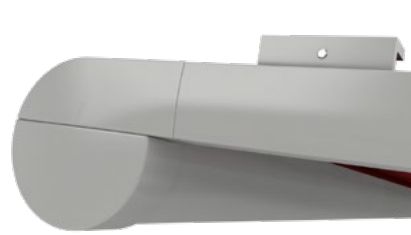
13

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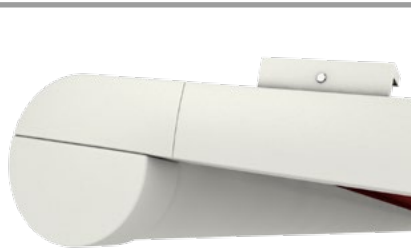
15



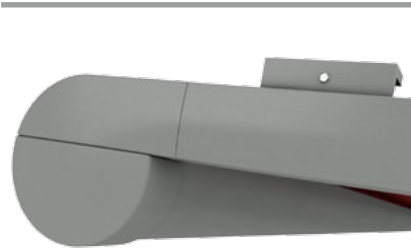
traffic white  
RAL 9016



metallic aluminium  
RAL 9006



off-white textured finish  
5233



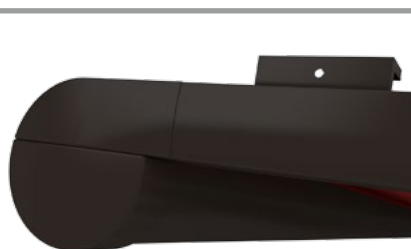
stone grey metallic  
5215



anthracite metallic  
5204



Havana brown  
textured finish  
5229



grey brown, similar  
to RAL 8019

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

## Dimensions and configuration options

		150	200	250	300	350	400	450	500	550	600		
		60 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600		
M		+ 5,4											
	150 <sup>1)</sup>											60 / 67 <sup>1)</sup>	70 / 76 <sup>1)</sup>
	200 <sup>1)</sup>												
	250 <sup>1)</sup>										2)		
	300 <sup>1)</sup>								2)	2)	2)	107 <sup>3)</sup>	107 <sup>3)</sup>
	350 <sup>1)</sup>						2)	2)	2)	2)	2)		
	400 <sup>1)</sup>	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)		
	450	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)		
	500	2)	2)	2)	2)	2)	2)	—	—	—	—		
	550	2)	2)	2)	2)	2)	2)	—	—	—	—		
600	2)	2)	2)	2)	2)	2)	—	—	—	—			

=     
 =     
 = 1 cover supports consisting of a stainless steel wire

dimensions in cm

- 1) tracfix (optional). **tracfix awnings** are **only available with motor**
- 2) these sizes meet wind resistance class 2,  
all sizes that have not been marked in this way meet wind resistance class 3
- 3) from an extension of 281 cm

### Operation / Drive unit

	Standard	Optional
manual operation	<input checked="" type="checkbox"/> <sup>5)</sup>	—
hard-wired motor	<input checked="" type="checkbox"/> <sup>6)</sup>	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
io Radio control	—	<input checked="" type="checkbox"/>

- 5) not available in tracfix units
- 6) in tracfix units

### Frame colours

	Standard	Optional
traffic white RAL 9016		
metallic aluminium RAL 9006		
grey brown similar to RAL 8019		
off-white textured finish* 5233		
stone grey metallic* 5215		
anthracite metallic* 5204		
Havana brown textured finish* 5229		
non-standard powder-coated finish		

\* = textured finish

### Radio-controlled LED lighting

	Radio RTS (433 MHz)	Radio io (868 MHz)
LED spotlights	on / off / dimmable	on / off / dimmable
LED line	<b>standard</b>	<b>optional</b>

= motor     
 = radio-controlled motor (433 MHz)     
 MA = awning fixture width  
 = no. of brackets per track     
 MA min. = minimum fixture width  
 M = overall width  
 H = extension

## Additional Information

The width of the awning cover is always **less** than that of the awning.

**Fixture / order width definition:** The order width is the awning fixture width i.e. the measurement from fixture point to fixture point underneath the glass canopy. The overall width is larger than the fixture width (see matrix). The tolerance in the width is + 5 mm / - 10 mm.

**Definition of the extension:** The extension is measured from the back of the cassette to the leading edge of the guide track.

This model is only available as a **single unit**.

**Definition of operating side:** the operating side is always

given as if seen from the outside looking towards the cassette (right or left).

**N.B!** If the **motor is used continuously** it will **stop automatically** after 3 to 4 minutes **to prevent overheating**.

The **rate of extension** with either a hard-wired or a radio-controlled motor is approximately 14 seconds per metre.

Due to its own weight a certain amount of sag in the cover is possible. Depending on the size of the awning, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. Neither phenomenon has any negative effect on the function or operation of the awning if it has been fitted correctly.

### Covers

	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 3)	—
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 4)
Soltis 92		—	<input checked="" type="checkbox"/> 5)

1) without tracfix up to a max. extension of 450 cm (in tracfix units 400 cm) with vertical bonded seams

2) non-tracfix systems: available up to a fixture width of 400 cm, seamless up to an extension of 250cm, then with horizontal seam(s); tracfix systems: available in all tracfix sizes, seamless up to 400 cm x 250 cm, then with horizontal seam; from a fixture width of 401 cm in vertical panels approx. 122 cm wide

3) non-tracfix systems: available up to a maximum extension of 400 cm - then with vertical bonded seams; tracfix systems: available in all tracfix sizes, then with vertical bonded seams

4) up to a maximum fixture width of 400 cm and a maximum extension of 400 cm, depending on the width and unit extension with horizontal bonded seam; from a fixture width of 401 cm a max. extension of 250 cm is available (seamless)

### Miscellaneous

	Standard	Optional
tracfix	—	<input checked="" type="checkbox"/>
light sensor	—	<input checked="" type="checkbox"/>

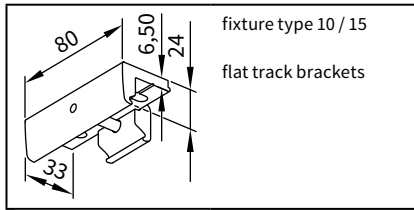
### Dimensions and tolerances

	Width	Nominal extension
housing tolerances	+ 5 / - 10 mm	—
awning cover width	<b>MA</b> - 93 mm	
awning cover length	<b>H</b> - 70 mm	

5) seamless up to an extension of 170 cm, from 170 cm with horizontal seam(s)

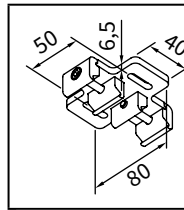
Fixtures, fittings and accessories

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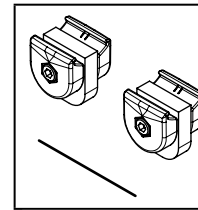
fixture type 10 / 15  
flat track brackets

78548.



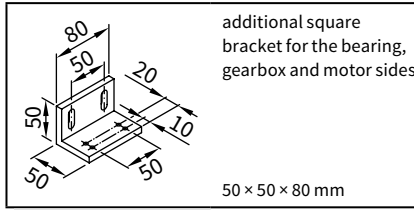
double track bracket  
flat  
2 single units

73627.



sprung bracket with  
stainless steel cover  
support wire  
depending on size  
included with  
the delivery

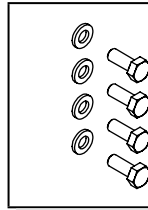
73639. und 771401



additional square  
bracket for the bearing,  
gearbox and motor sides

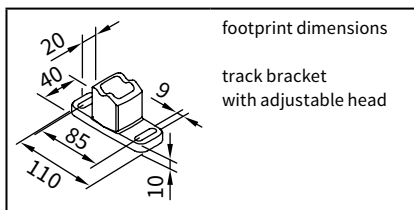
50 x 50 x 80 mm

78719.

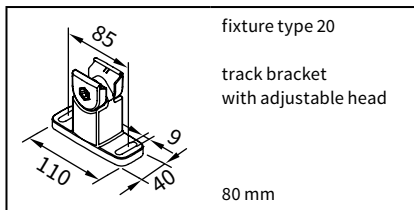


accessories for two  
square brackets 78719.

787211



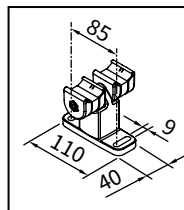
footprint dimensions  
track bracket  
with adjustable head



fixture type 20  
track bracket  
with adjustable head

80 mm

73624.

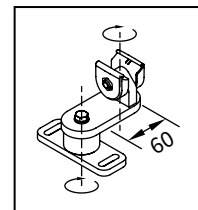


double track bracket  
with adjustable head

central bracket for  
2 single units next  
to each other

80 mm

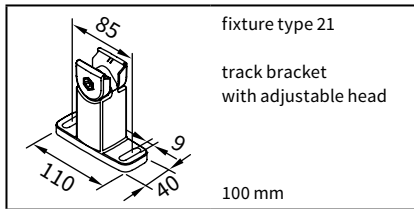
73631.



universal track bracket

80 mm

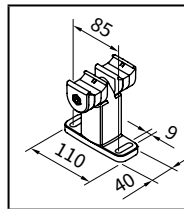
73629.



fixture type 21  
track bracket  
with adjustable head

100 mm

76046.

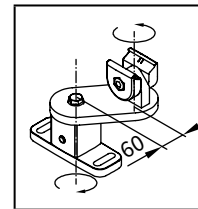


double track bracket  
with adjustable head

central bracket for  
2 single units next  
to each other

100 mm

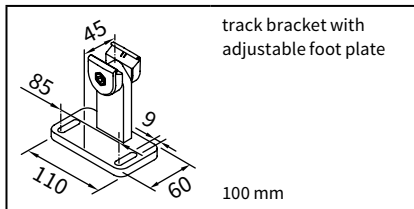
73634.



universal track bracket

100 mm

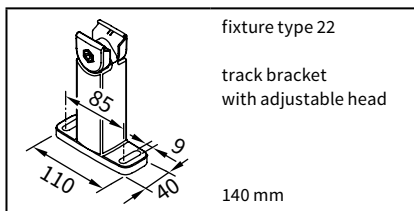
76054.



track bracket with  
adjustable foot plate

100 mm

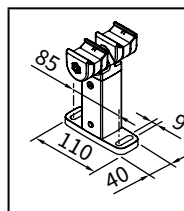
76199.



fixture type 22  
track bracket  
with adjustable head

140 mm

76048.



double track bracket  
with adjustable head

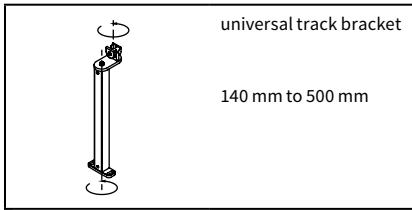
140 mm

73636.

. = insert RAL colour code no.

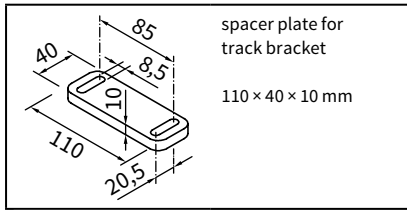
01 **Accessories**

02



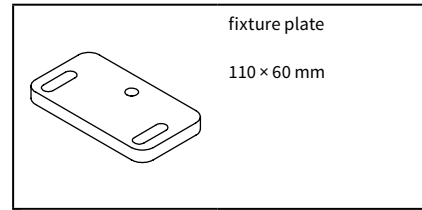
universal track bracket  
140 mm to 500 mm

**76053.**



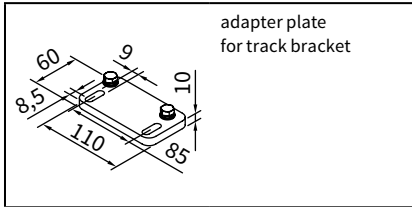
spacer plate for track bracket  
110 × 40 × 10 mm

**78570.**



fixture plate  
110 × 60 mm

**78158.**



adapter plate for track bracket

**78165.**

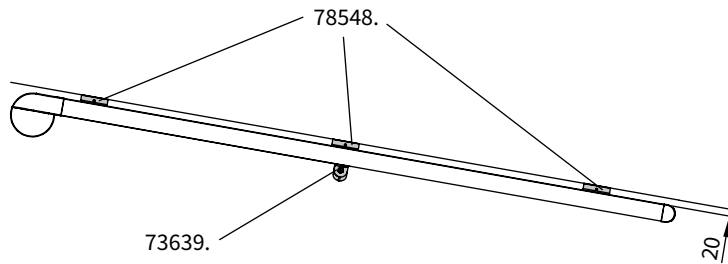
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. = insert RAL colour code no.

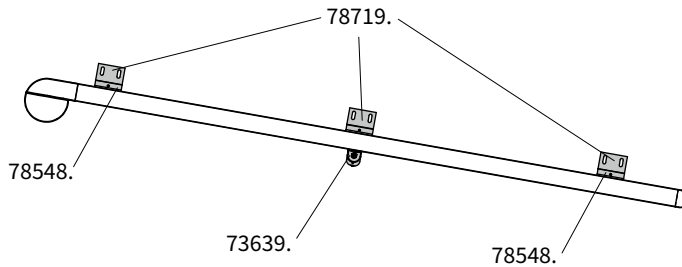
# Fixture combinations

All brackets incur a surcharge

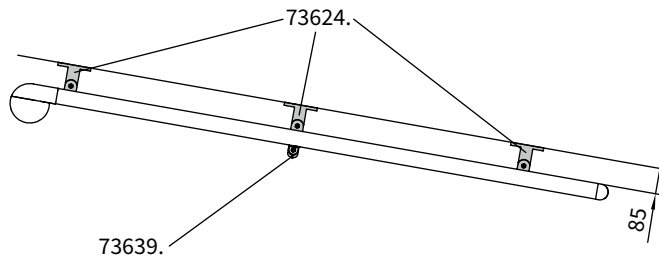
Fixture type **10**



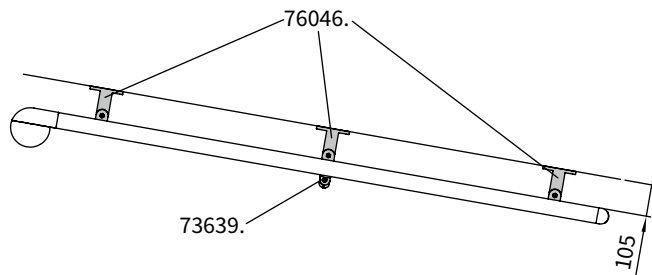
Fixture type **15**



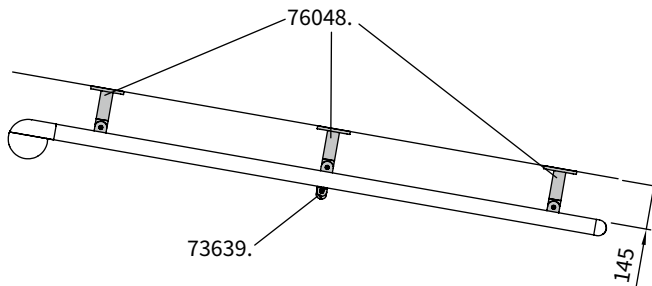
Fixture type **20**



Fixture type **21**



Fixture type **22**

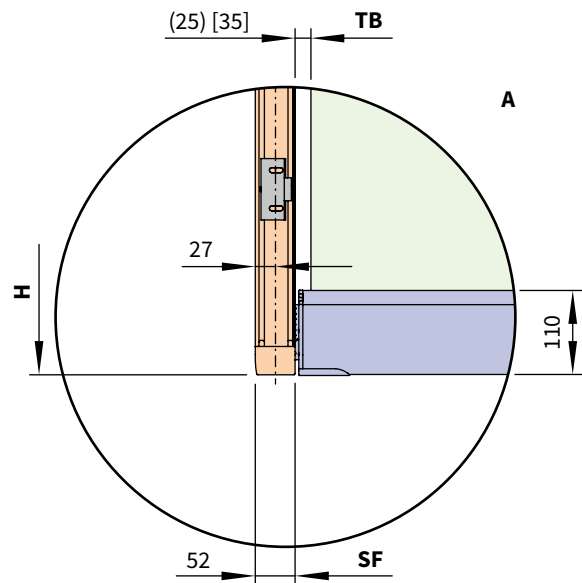
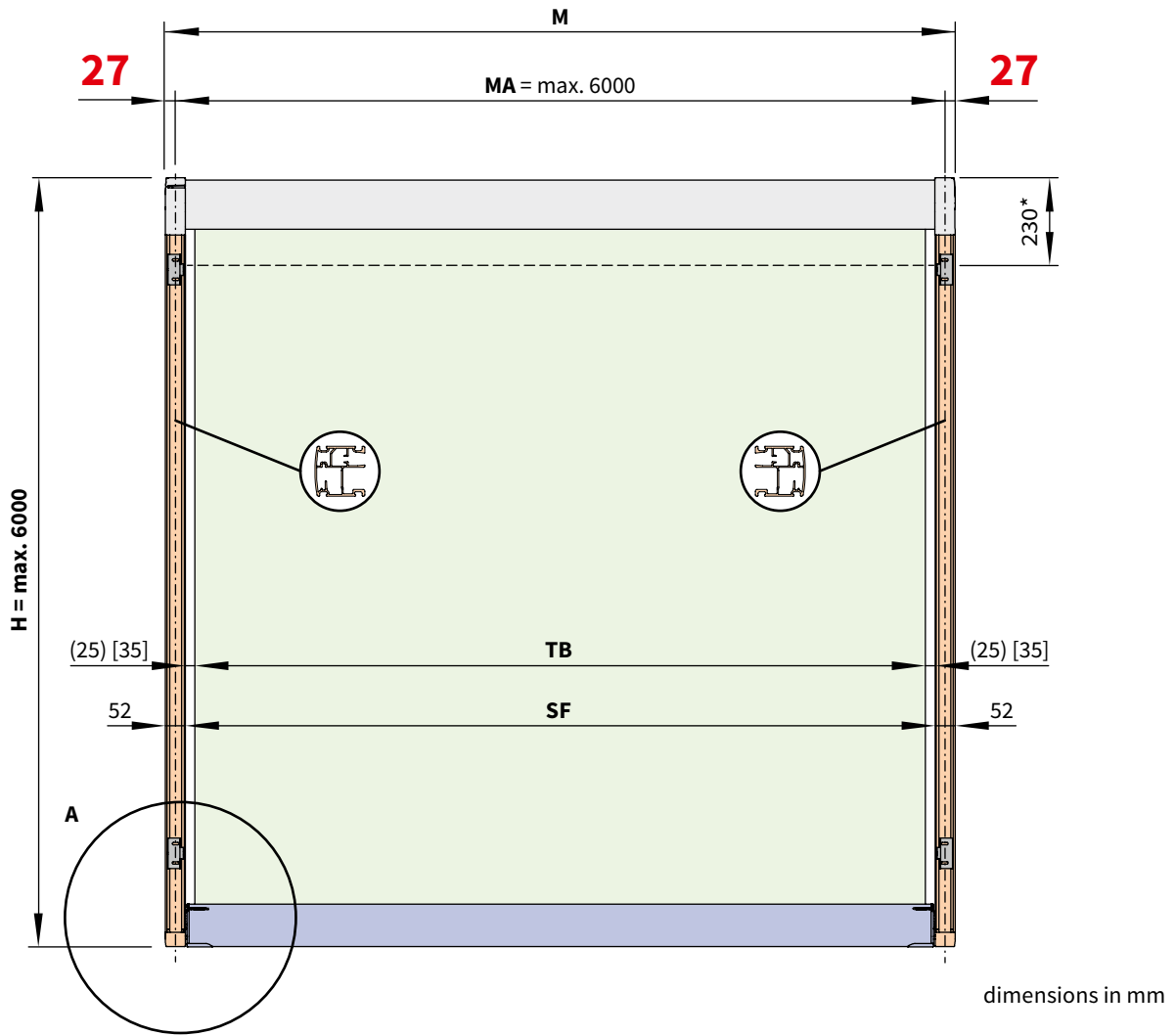


- for the required number of fixing brackets per guide track please refer to “Dimensions and feature options”
- for individual bracket combinations please refer to “Fixtures, fittings and accessories”
- the cover may sag during extension and retraction
- for the markilux 879 without tracfix system cover support wires and brackets are delivered, depending on the size; these brackets (part no. 73639.) have to be in the immediate vicinity of a fixture bracket
- the markilux 879 with tracfix system does not require any cover support wires

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01 Installation dimensions

02 Dimension overview single unit, 1 motor



**H** = nominal extension = **order extension**

**M** = overall awning width

**MA** = awning fixture width = fixture width = **order width**

**TB** = cover width

**SF** = visible cover (in tracfix systems)

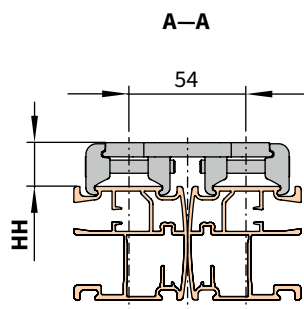
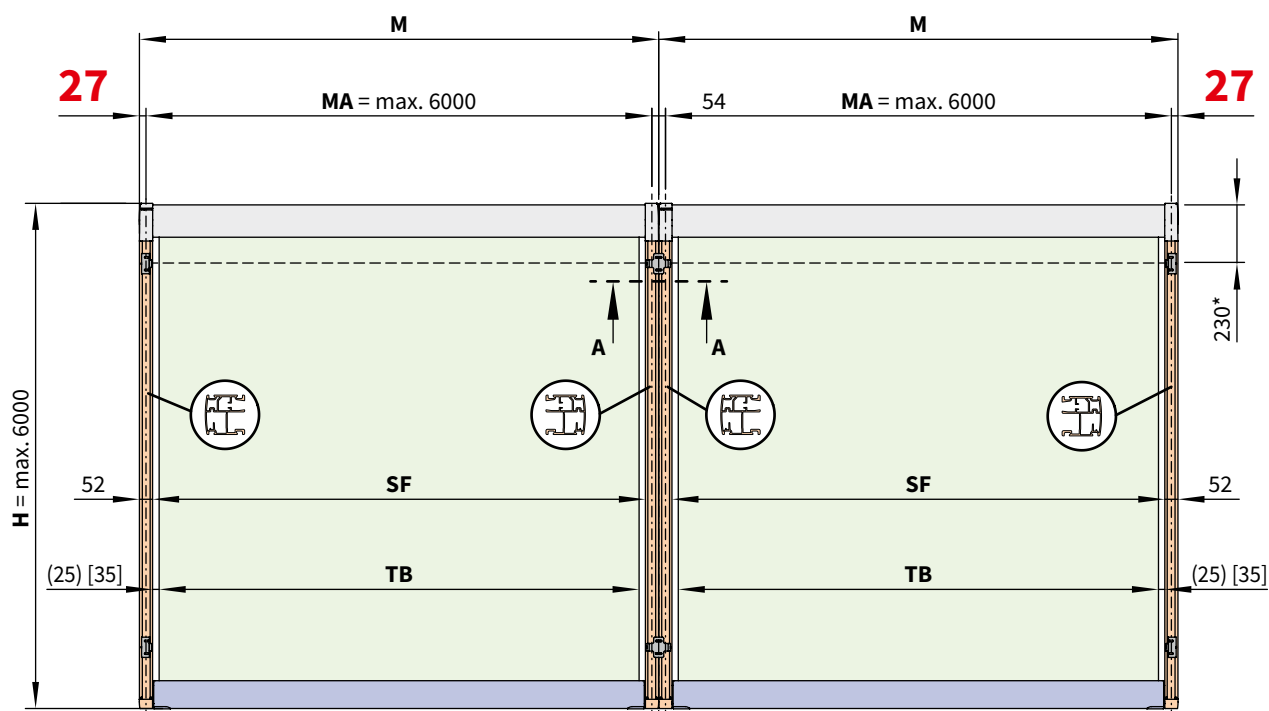
(...) = gap between cover and guide track (non-tracfix units)

[...] = the gap between cover and guide track (non-tracfix units) in gearbox-operated units

\* = depth of cassette and front profile when the awning is retracted

# Installation dimensions

Dimensions in the case of 2 single units and 2 drive units (gearbox or motor)



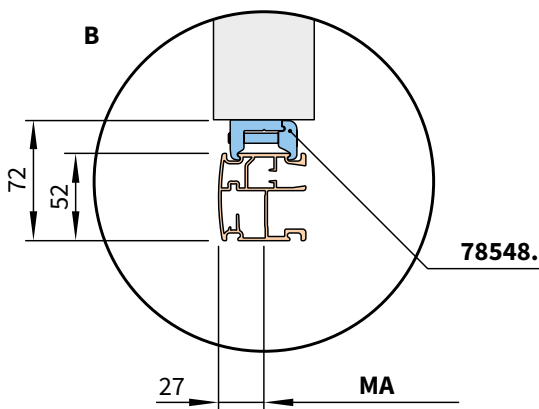
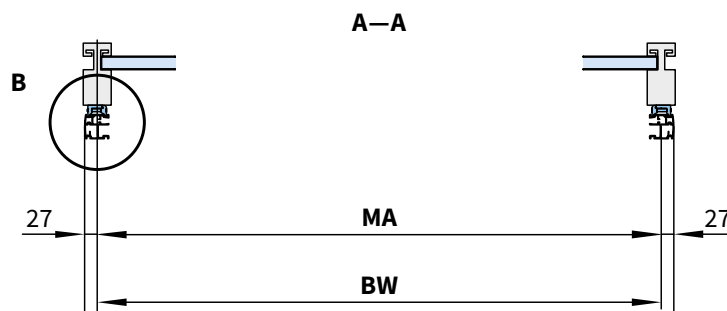
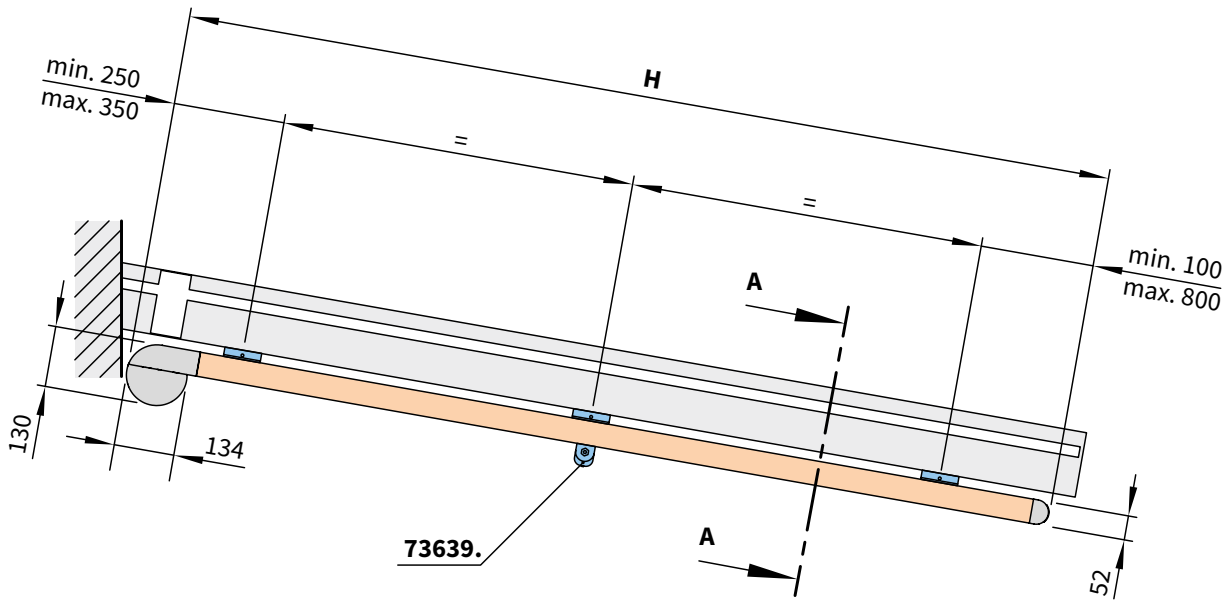
dimensions in mm

- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- TB** = cover width
- SF** = visible cover (in tracfix systems)
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = the gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \* = depth of cassette and front profile when the awning is retracted

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01 **Installation dimensions**

02 **Dimension overview fixture type 10**

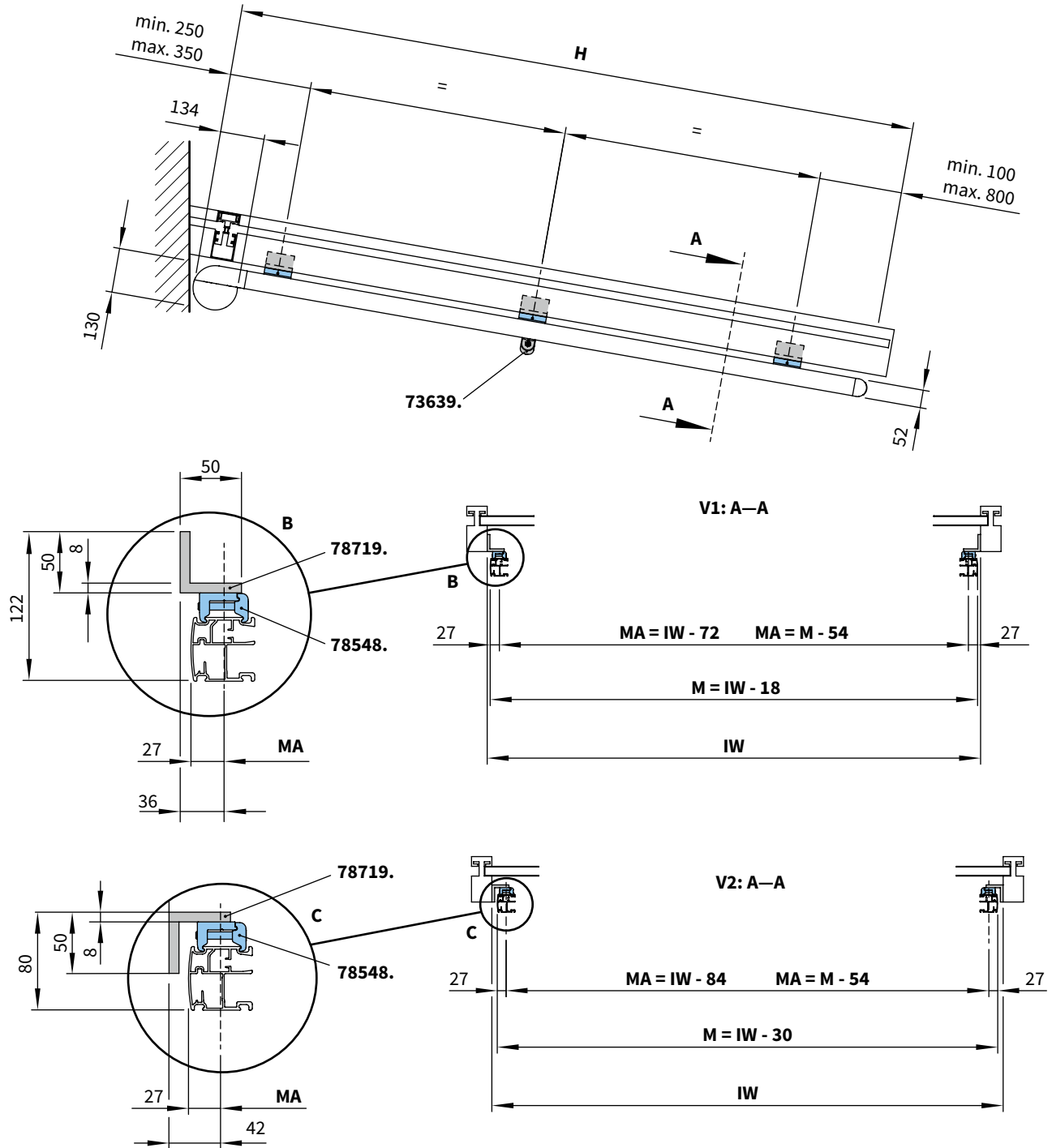


dimensions in mm

- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- BW** = width between fixture points on the conservatory

# Installation dimensions

## Dimension overview fixture type 15



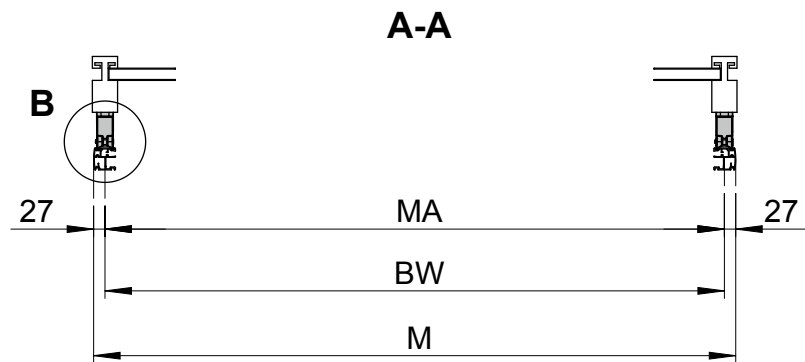
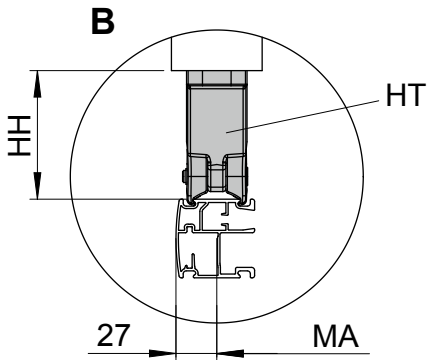
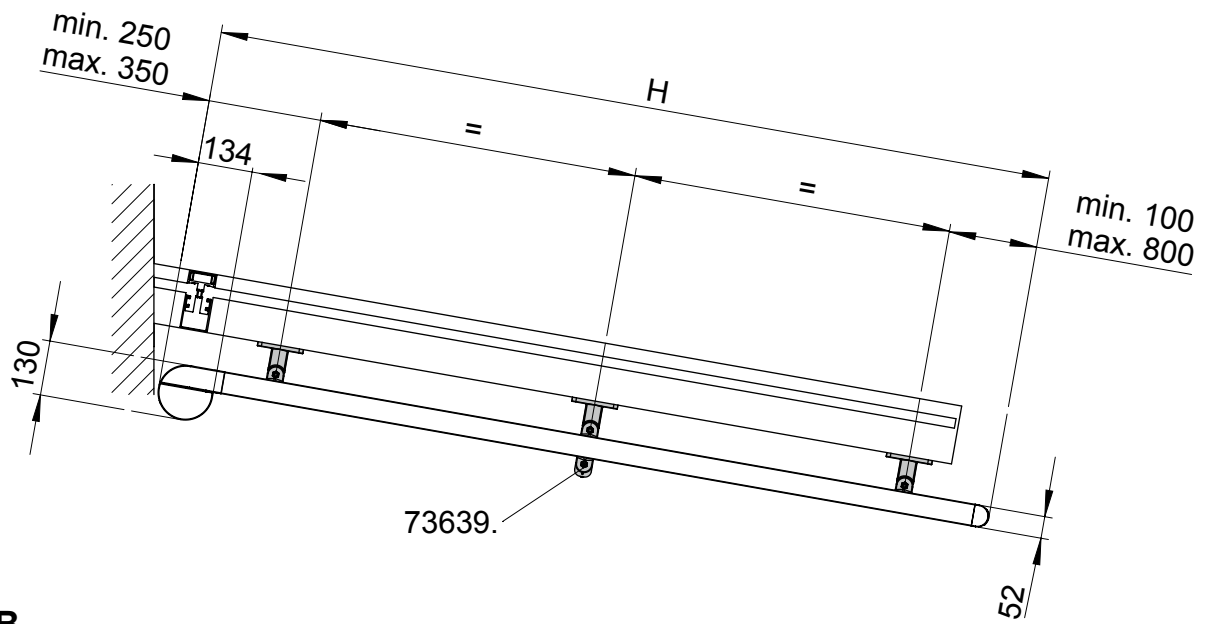
dimensions in mm

- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- IW** = interior conservatory dimension

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01 **Installation dimensions**

02 **Fixture types 20, 21 and 22**



dimensions in mm

**H** = nominal extension = **order extension**

**M** = overall awning width

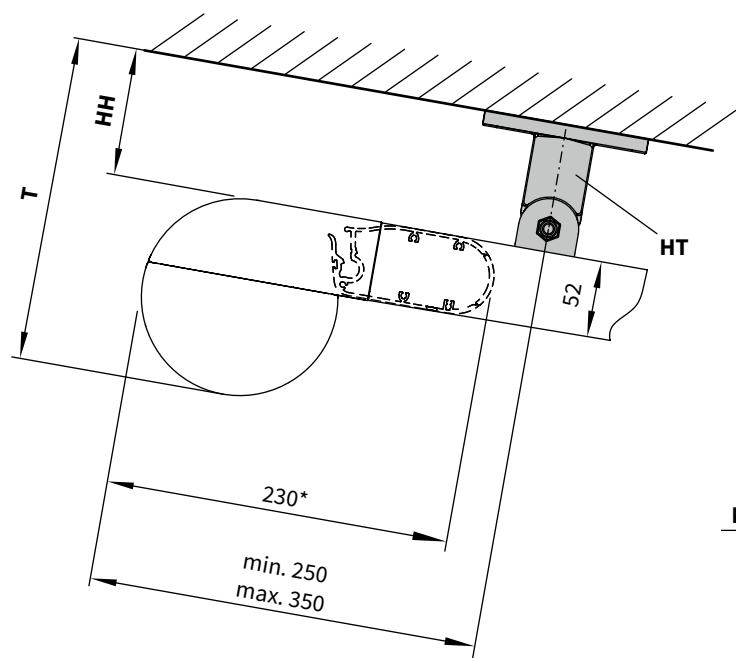
**MA** = awning fixture width = fixture width = **order width**

**BW** = width between fixture points on the conservatory

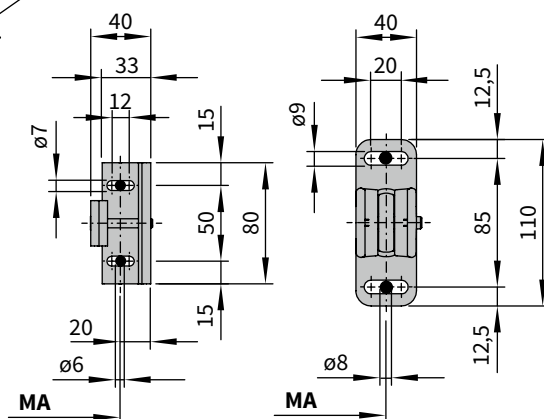
**HT** = bracket

**HH** = bracket height (for dimensions please refer to "Dimension overview of fixture types 10, 20, 21 and 22")

### Dimension overview



**Fixture type 10**      **Fixture types 20, 21, 22**



dimensions in mm

Fixture type	10	20	21	22
<b>HT</b> = bracket	<b>78548.</b>	<b>73624.</b>	<b>76046.</b>	<b>76048.</b>
<b>HH</b> = bracket height [mm]	20	85	105	145
<b>T</b> = overall height [mm]	150	215	235	275
<b>MA</b> = awning width/fixture width				

\* = dimension with the awning retracted

\* = dimension with the awning retracted

**HH** = bracket height (for dimensions please refer to “Dimension overview of fixture types 10, 20, 21 and 22”)

**HT** = bracket

**MA** = awning fixture width = fixture width = **order width**

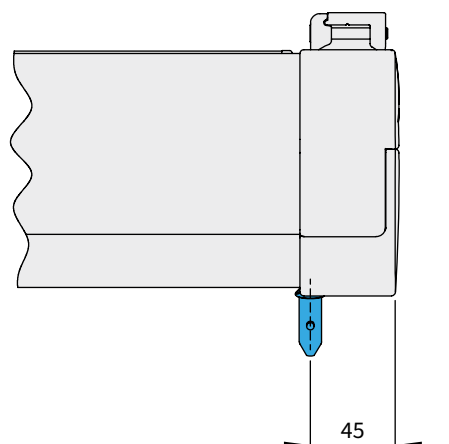
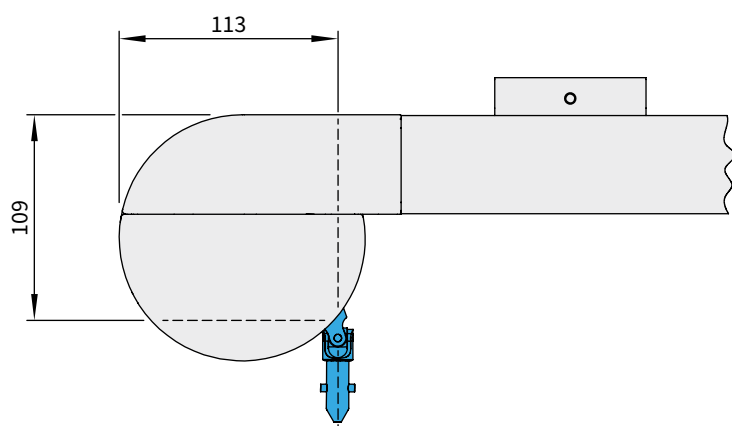
**T** = overall height

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## Installation dimensions

02

### Dimensions in the case of manual operation



dimensions in mm

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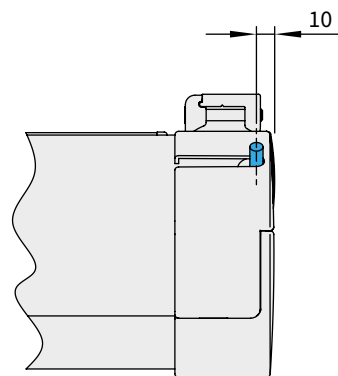
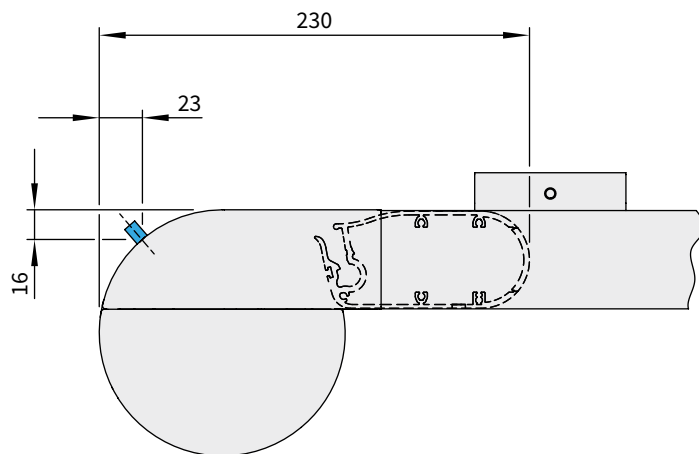
12

13

### Cable exit point in the case of motor-driven units

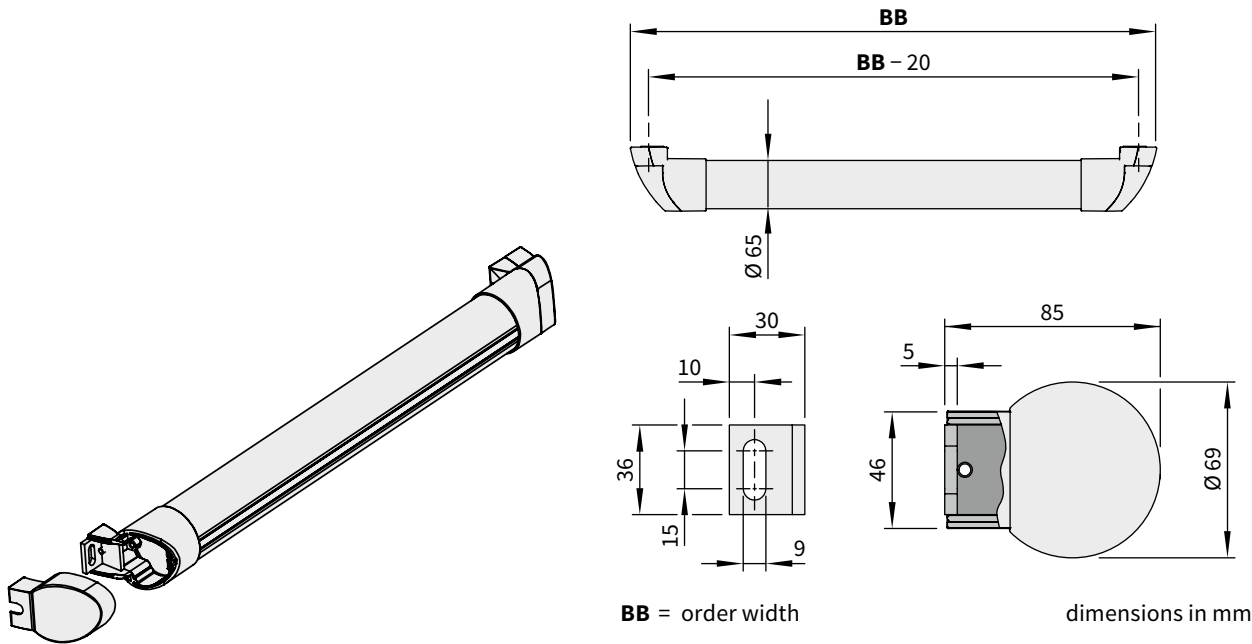
14

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dimensions in mm

### E-box – Dimensions and types



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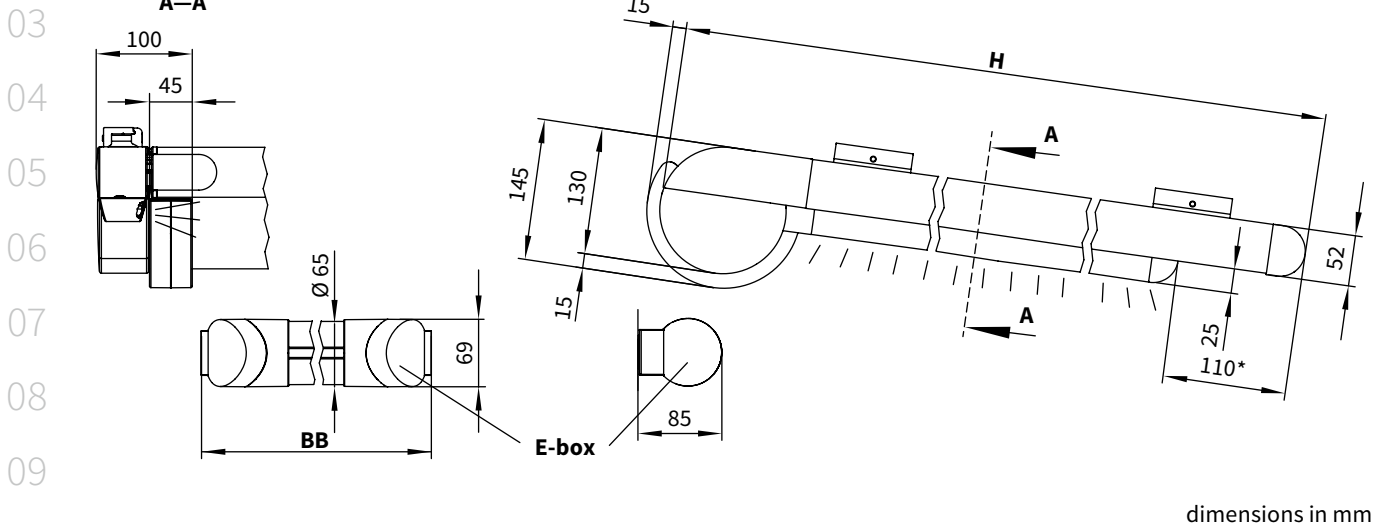
Designation	Number	BB [mm]
<b>E-box K</b>	73831.	690
<b>E-box M</b>	73833.	1240
<b>E-box G</b>	73835.	1890
<b>E-box I</b>	73837.	individual

Radio technology	RTS		io	
	≤ 329	≥ 330	≤ 329	≥ 330
Nominal extension H [cm]	↓	↓	↓	↓
Lighting option*				
LED line in the guide tracks (with or without cover support wire)	<b>K</b>	<b>M</b>	<b>M</b>	<b>G</b>

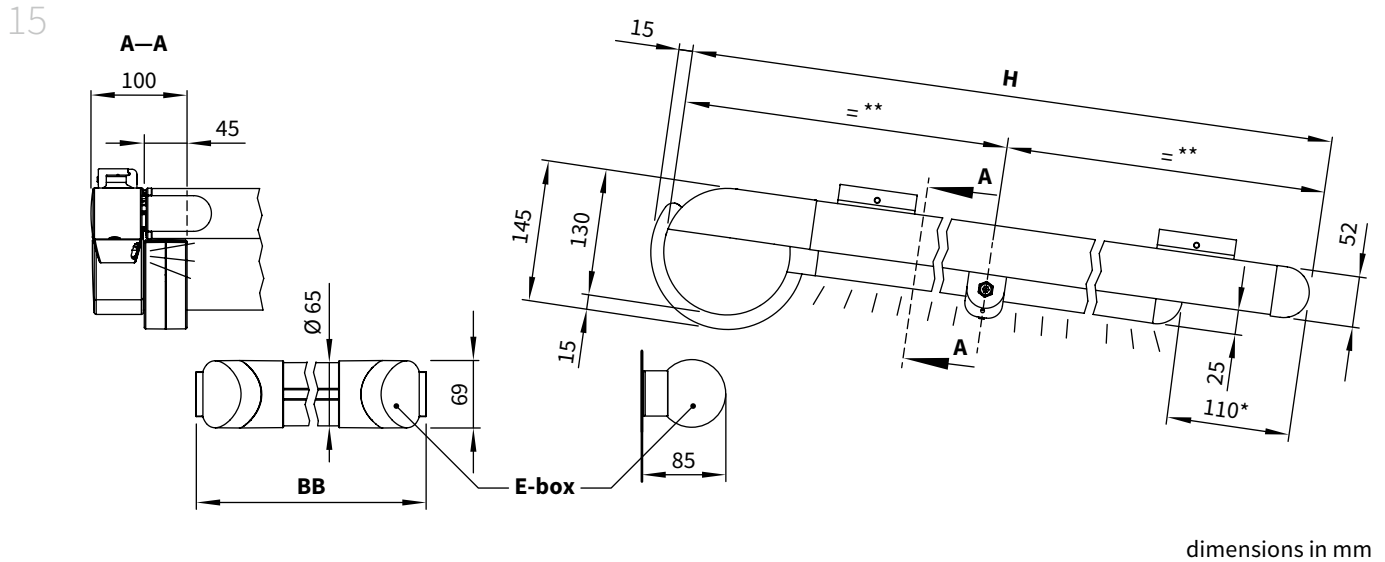
**\*The E-box is included in the delivery**

01 **Lighting options**

02 **Version 1: LED line in the guide tracks, electronics in an E-Box**



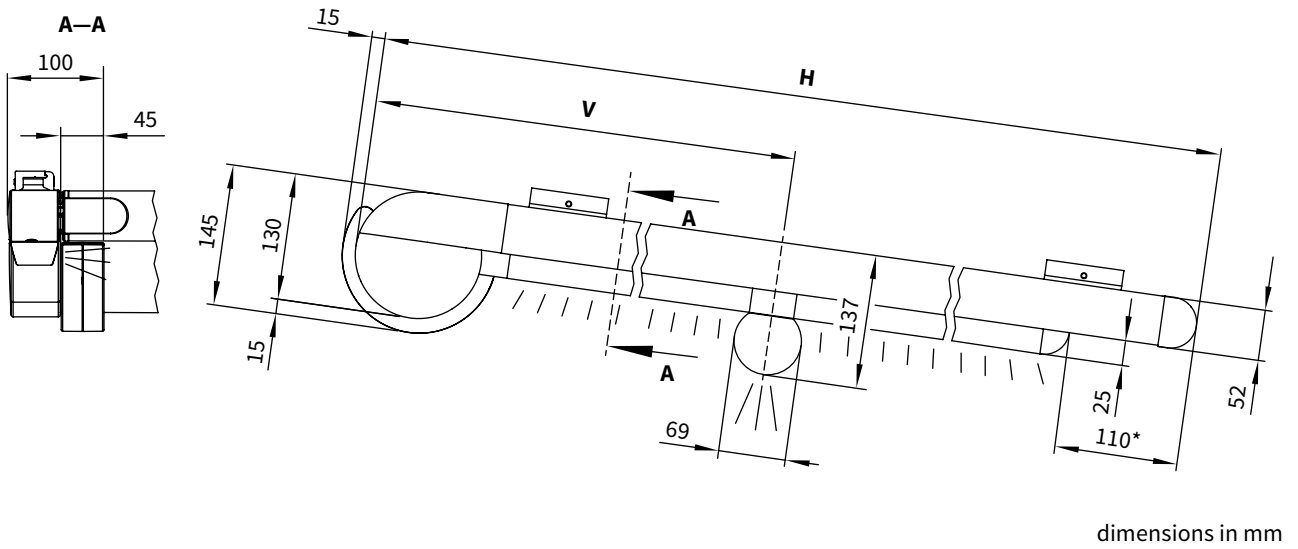
11 **Version 1a: LED line in the guide tracks, electronics in an E-Box, cover supported by stainless steel wire**



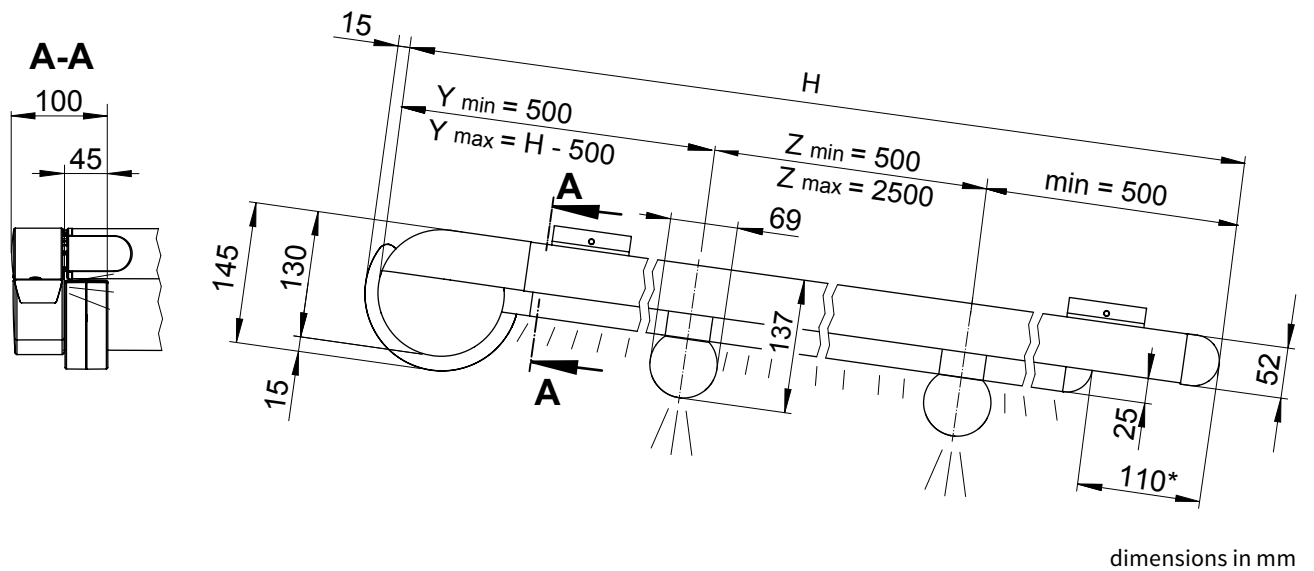
- \* = 110 mm standard, 36 mm optional
- \*\* = cover support wire centred (standard), other positions are possible on request
- BB** = order width
- E-box** = please refer to the "Overview of E-box dimensions"
- H** = nominal extension = order extension

## Lighting options

Version 2: LED line in the guide tracks and LED line in the cover support tube, electronics in the cover support tube



Version 2a: LED line in the guide tracks, LED line in two cover support tubes, electronics in the cover support tube



\* = 110 mm standard, 36 mm optional

H = nominal extension = **order extension**

V = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering ( $V_{min.} = 500$  mm.  $V_{max.} = H - 500$  mm)

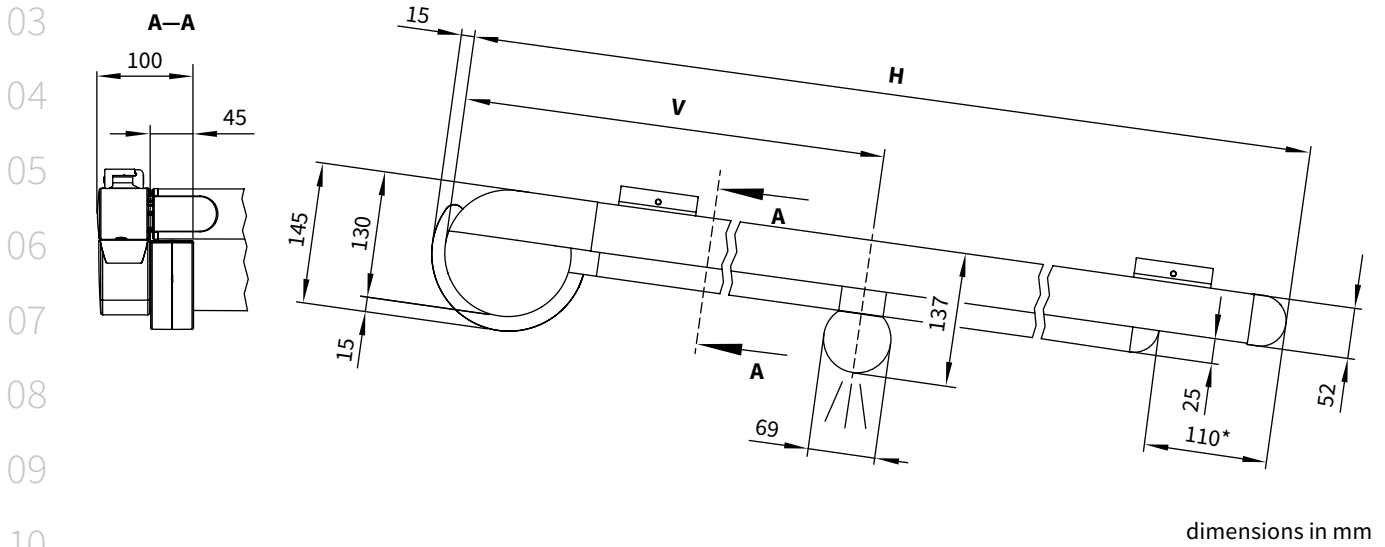
Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

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01 **Lighting options**

02 **Version 3: LED line in the cover support tube, electronics in the cover support tube**



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**Technical data markilux LED line**

operating voltage	230 V, 50 Hz
power output per metre	10 W
light source	LED (12 V)
number of LEDs	120 pcs / m
number of transformers	1 piece
light temperature	3200 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	ca. 15.000 h

K O ( H\* LFD

This luminaire contains built-in LED lamps.

**A++**  
**A+**  
**A**  
**B**  
**C**  
**D**  
**E**

} LED

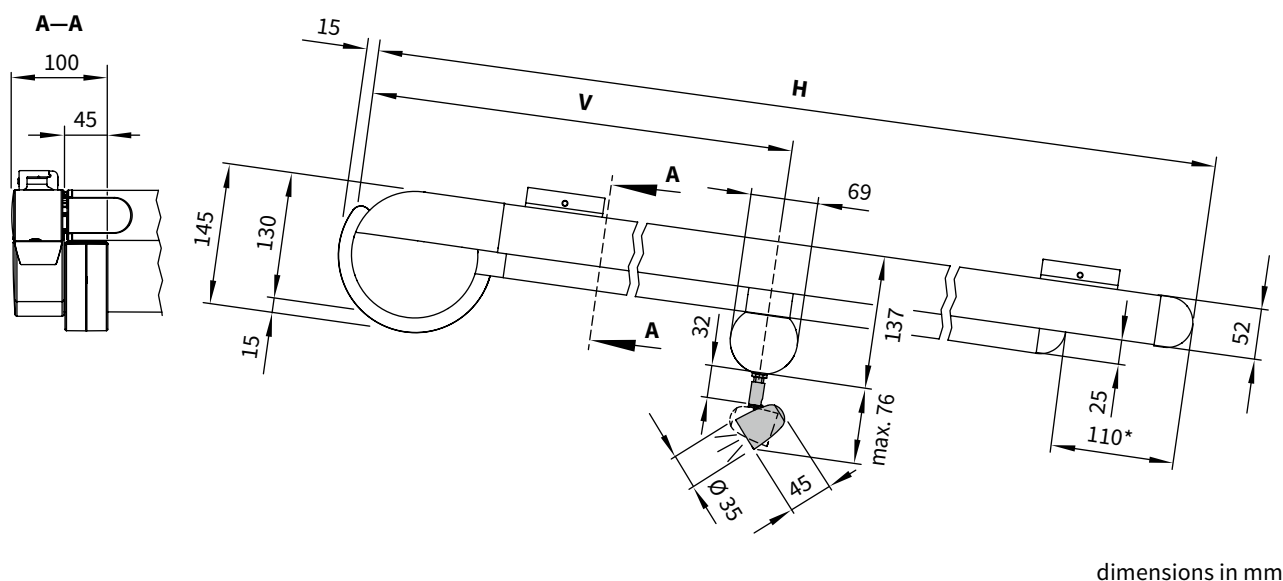
The lamps cannot be changed in the luminaire.

874/2012

- \* = 110 mm standard, 36 mm optional
- H** = nominal extension = **order extension**
- V** = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering ( $V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$ )

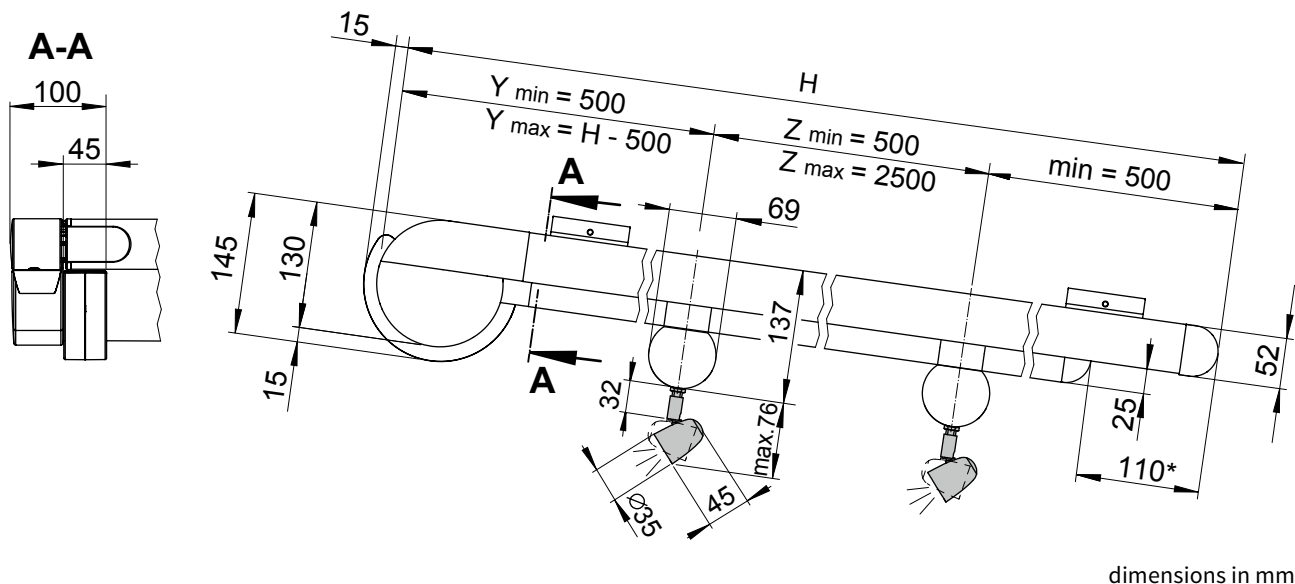
# Lighting options

Version 4: LED spotlights in the cover support tube, electronics in the cover support tube



dimensions in mm

Version 4a: LED spotlights in two cover support tubes, electronics in the cover support tubes



dimensions in mm

\* = 110 mm standard, 36 mm optional

H = nominal extension = **order extension**

V = lighting distance from back of cassette. Standard: centred ( $V = H \div 2$ )  
optionally this can be stipulated when ordering ( $V \text{ min.} = 500 \text{ mm. } V \text{ max.} = H - 500 \text{ mm}$ )

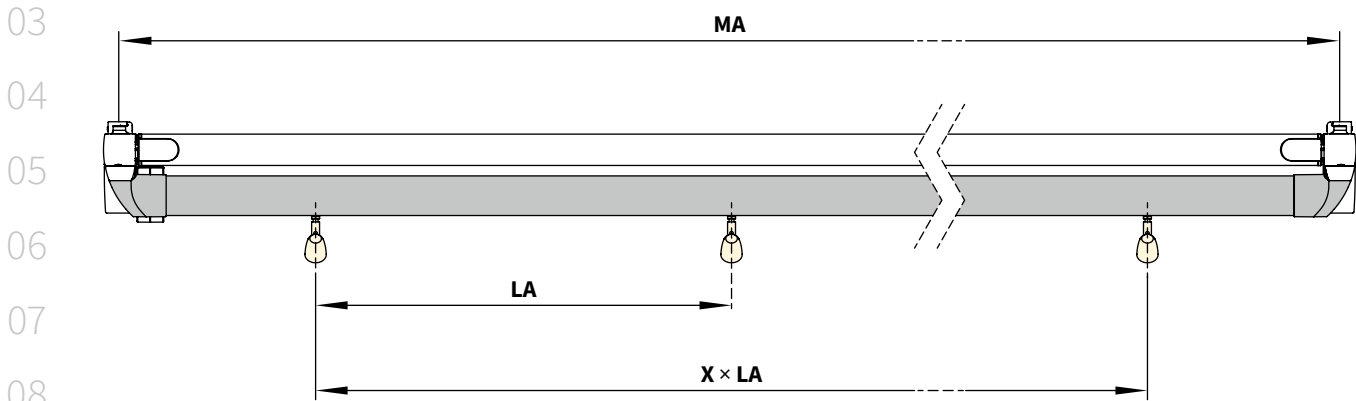
Y = distance rear cassette edge to center of 1st support tube

Z = distance center of 1st to 2nd support tube

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01 **Lighting options**

02 **Possible number of LED spotlights**

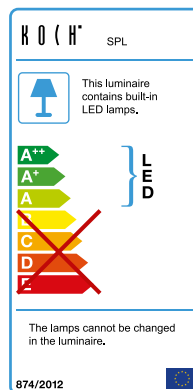


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**Technical data markilux LED spotlights**

M (mm)	Number of spotlights	LA (mm)
1500–2500	3	650
2501–3000	3	980
3001–3500	3	980
3501–4000	4	980
4001–4500	4	980
4501–5000	5	980
5001–5500	5	980
5501–6000	6	980

operating voltage	230 V, 50 Hz
power output per spotlight	5 W
light source	LED (12 V)
number of transformers	1 piece
Light temperature	2700 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	approx. 20,000 h

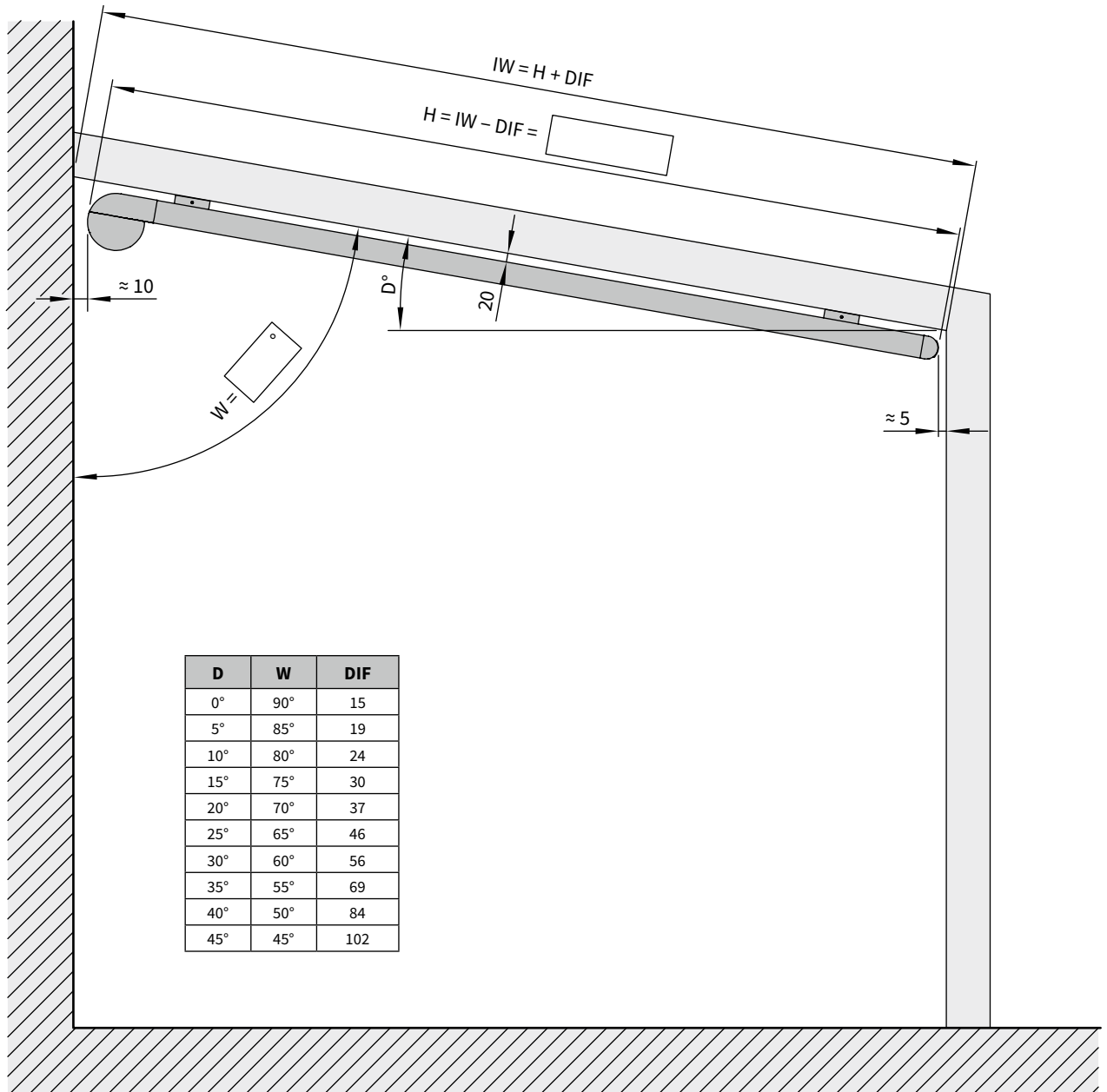


**MA** = awning fixture width = fixture width = **order width**

**LA** = spotlight separation

# Installation dimensions

Orders are to be submitted with all the dimensions shown in the diagram



dimensions in mm

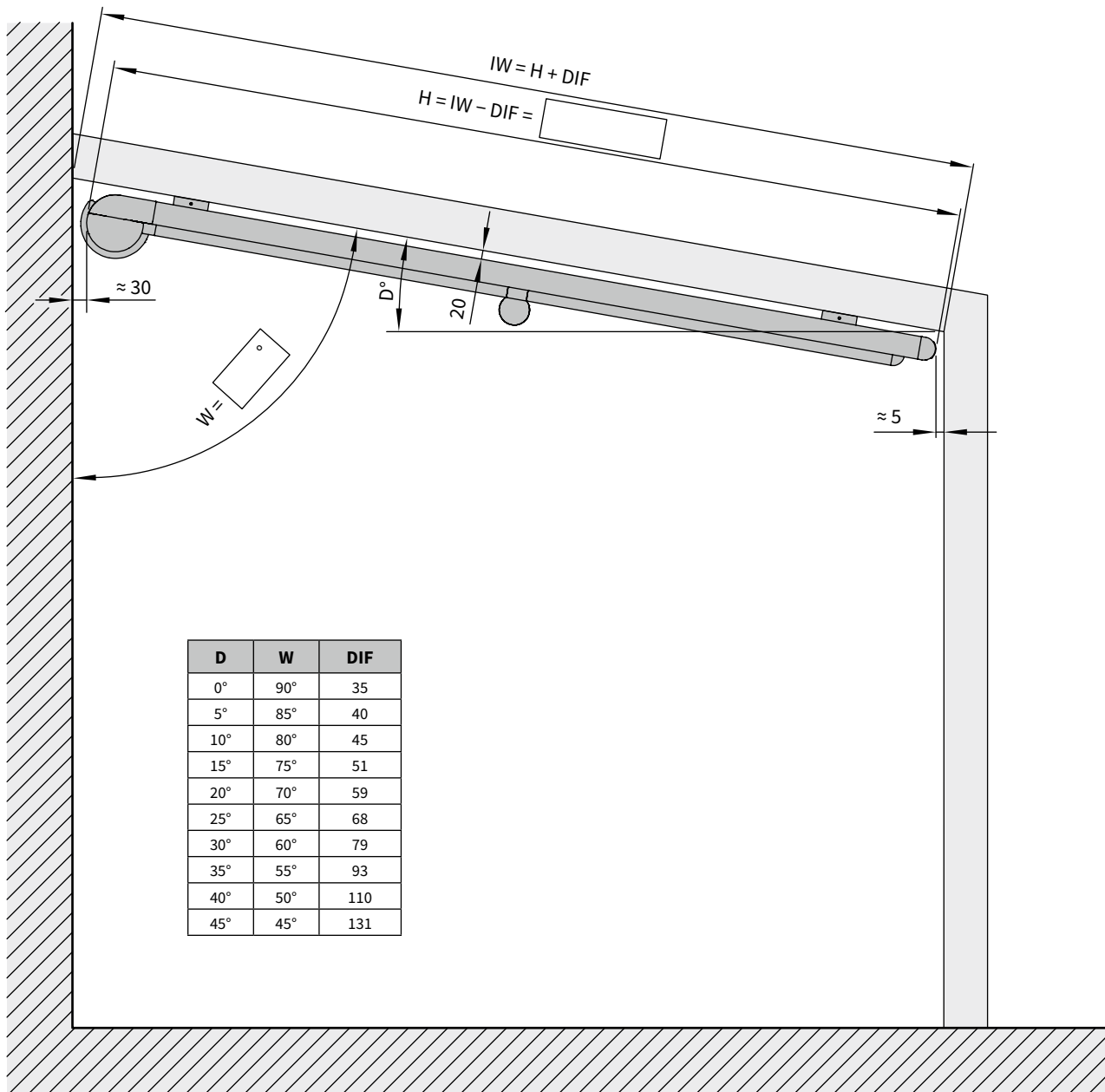
- H** = extension = **order extension** =  $IW - DIF$  (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)
- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to extension H

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01 Installation dimensions in units with lighting

02 Orders are to be submitted with all the dimensions shown in the diagram

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dimensions in mm

- H** = extension = **order extension** =  $IW - DIF$  (see table)
- IW** = interior conservatory dimension
- W** = awning pitch (in °)
- D** = roof pitch (in °)
- DIF** = difference interior conservatory measurement to **extension H**



## **markilux 770 tracfix**

**The square-shaped conservatory awning for medium-sized areas.**

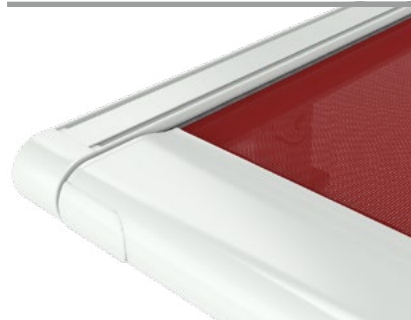
**Well-designed, strong, functional**

01 **Special features**

02



Side view



The front profile finishes completely flush with the guide tracks when fully extended

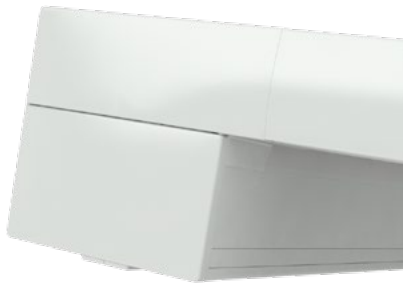
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Beautifully crafted, square aluminium cassette



With tracfix, without gap between cover and guide track

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13 **Design Features**

14 beautifully crafted, square aluminium cassette

15 the square cassette and square guide tracks are harmonising perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

The panel joints of the awning cover are ultrasonically bonded - giving an improved appearance without any stitching

When retracted, the cover is protected from the weather by the cassette, which encloses it completely

**Technical Specification**

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

Due to the particularly stable construction, large areas of up to 16 m<sup>2</sup> can be shaded with one system

brackets with patented clip-on mechanism for simple, problem-free installation

tracfix system - attractive, completely closed appearance with no annoying gap between the awning cover and the tracks

hard-wired motor drive (optionally with automatic weather sensors) for straight-forward operation by means of a wall switch

**Accessories**

to simplify installation, a broad selection of brackets is available

radio-controlled motor with radio remote control for ease of use

awning available in non-standard RAL colours

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety - even in your absence

### Frame colours



traffic white  
RAL 9016



metallic aluminium  
RAL 9006



off-white  
textured finish  
5233



stone grey metallic  
5215



anthracite metallic 5204



Havana brown textured  
finish  
5229



grey brown, similar  
to RAL 8019

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Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

## Dimensions and configuration options

		150	200	250	300	350	400		
		60 150	151 200	201 250	251 300	301 350	351 400		
	<b>M</b>	+ 5.4							
	150							60	70
	200								
	250								
	300							107 <sup>2)</sup>	107 <sup>2)</sup>
	350								
	400				1)	1)	1)		

= (if the cover requires a support wire, 3 track brackets)

=

dimensions in cm

- 1) 1 cover support tube
- 2) from an extension of 281 cm

### Operation / drive unit

	standard	optional
motor	<input checked="" type="checkbox"/>	—
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
Radio-controlled motor io	—	<input checked="" type="checkbox"/>

### Frame colours

		standard	optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown	similar to RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish

= motor

= radio-controlled motor (433 MHz)

= no. of brackets per track

**MA** = awning fixture width

**MA min.** = minimum fixture width

**M** = overall width

**H** = extension

## Additional information

The width of the awning cover is always **less** than that of the awning.

**Fixture / order width definition:** The order width is the awning fixture width i.e. the measurement from fixture point to fixture point underneath the glass canopy. The overall width is larger than the fixture width (see matrix). The tolerance in the width is + 5 mm / - 10 mm.

**Definition of extension:** The stated extension **H** is measured from the rear edge of the cassette to front edge of the guide track.

This model is **only available as a single unit.**

**Definition of operating side:** the operating side is always given as if seen from the outside looking towards the cassette (right or left).

**N.B!** If the **motor is used continuously** it will **stop automatically** after 3 to 4 minutes **to prevent overheating.**

The **rate of extension** with either a hard-wired or a radio-controlled motor is approximately 14 seconds per metre.

Due to its own weight a certain amount of sag in the cover is possible.

Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. Neither phenomenon has any negative effect on the function or operation of the awning if it has been fitted correctly.

### Covers

	fabric range no.	standard	optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 1)	—
Soltis 92		—	<input checked="" type="checkbox"/> 3)
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 1)2)

- 1) Acc. size range – design with vertical seams
- 2) Acc. size range – design with horizontal seam; depending on size
- 3) Max. extension 300 cm; horizontal seam when axis dimension ≥ 186 cm AND system height ≥ 195 cm

### Miscellaneous

	standard	optional
tracfix	<input checked="" type="checkbox"/>	—
light sensor	—	<input checked="" type="checkbox"/>

### Dimensions and tolerances

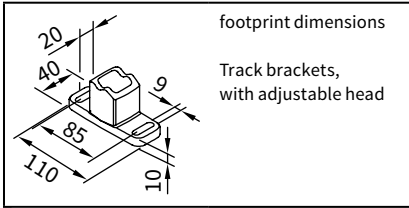
	width	nominal projection
housing tolerances	+ 5 / - 10 mm	—
awning cover width	on request	
awning cover length	on request	

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01 **Fixture options**

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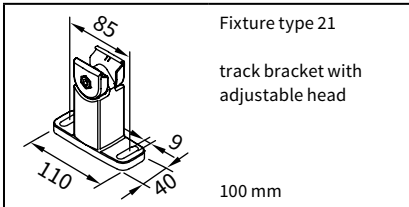


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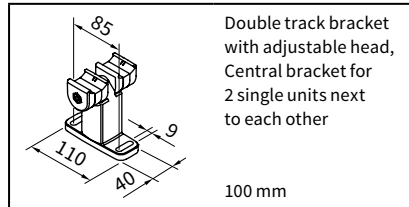
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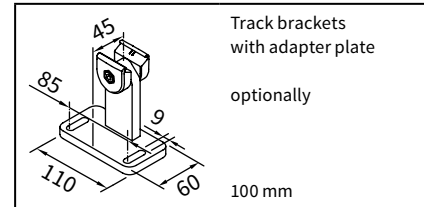
**Fixture type 21**



**76046.**



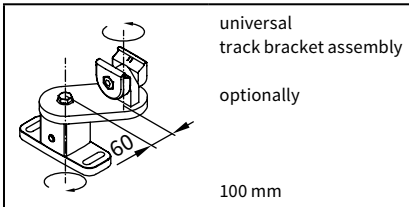
**73634.**



**76199.**

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**76054.**

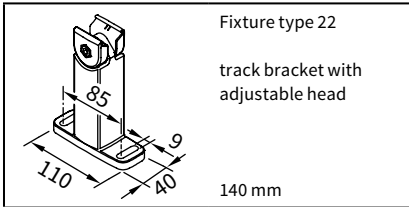
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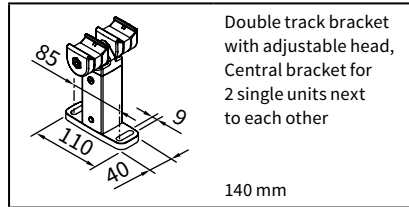
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**Fixture type 22**



**76048.**

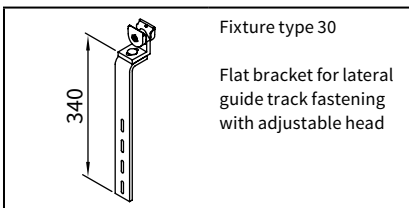


**73636.**

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**Fixture type 30**

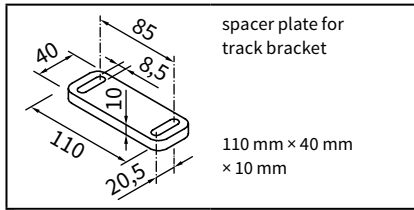


**76049.**

. = insert RAL colour code no.

Additional fixtures and accessories

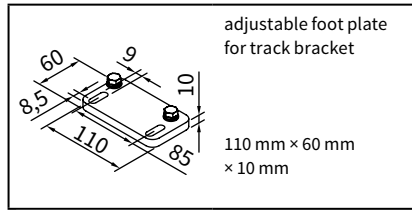
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spacer plate for track bracket

110 mm × 40 mm × 10 mm

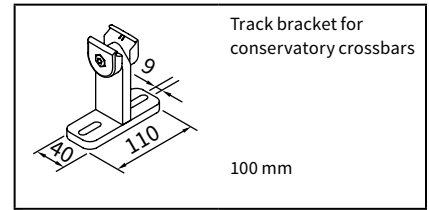
78570.



adjustable foot plate for track bracket

110 mm × 60 mm × 10 mm

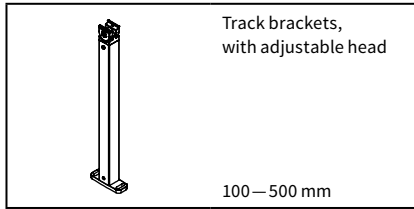
78165.



Track bracket for conservatory crossbars

100 mm

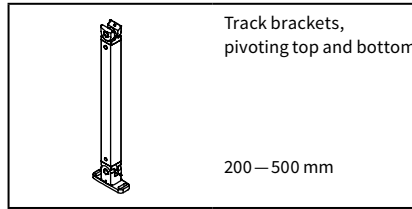
76055.



Track brackets, with adjustable head

100 – 500 mm

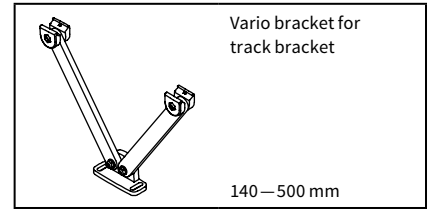
76047.



Track brackets, pivoting top and bottom

200 – 500 mm

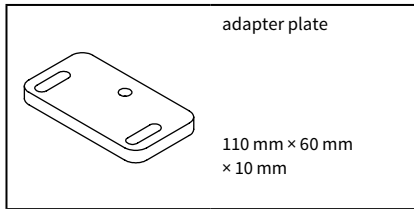
76045.



Vario bracket for track bracket

140 – 500 mm

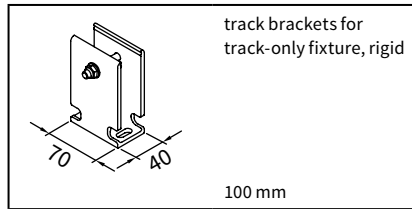
76052.



adapter plate

110 mm × 60 mm × 10 mm

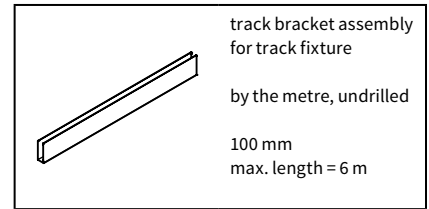
78158.



track brackets for track-only fixture, rigid

100 mm

76017.

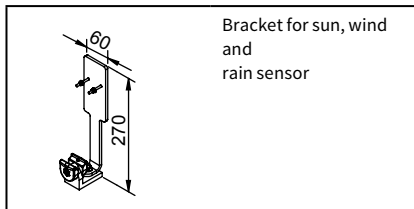


track bracket assembly for track fixture

by the metre, undrilled

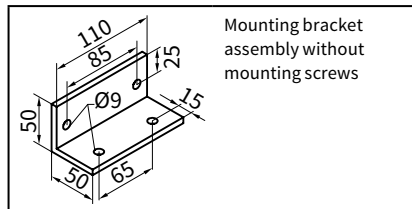
100 mm max. length = 6 m

76013.



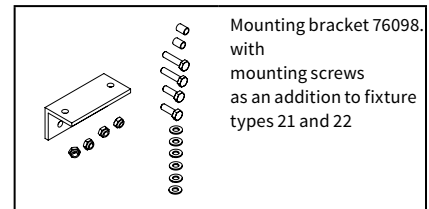
Bracket for sun, wind and rain sensor

76050.



Mounting bracket assembly without mounting screws

76098.



Mounting bracket 76098, with mounting screws as an addition to fixture types 21 and 22

76099.

. = insert RAL colour code no.

01 **Fixture combinations**

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Fixture type  
**21**

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Fixture type  
**22**

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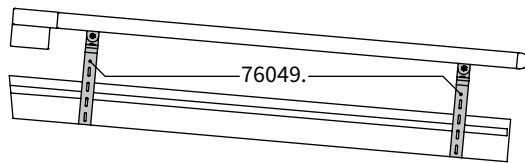
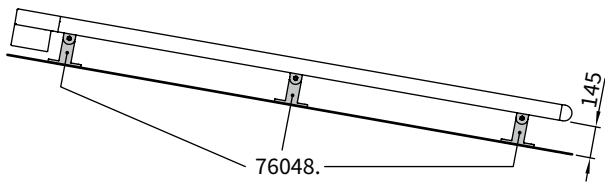
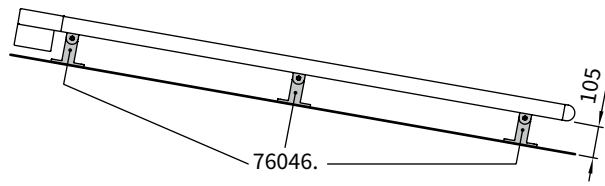
Fixture type  
**30**

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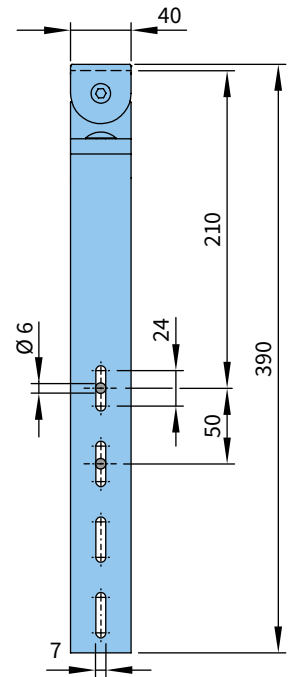
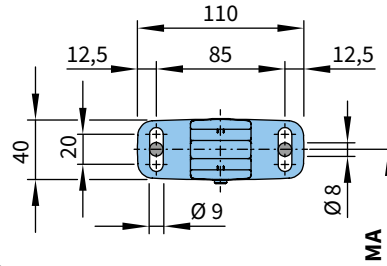
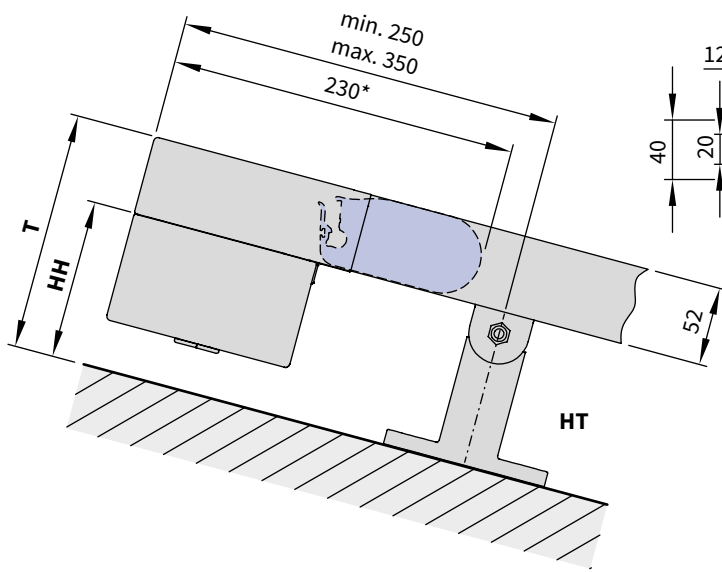


- Number of brackets per track see "dimensions and equipment options"
- Individual bracket combinations: see "Fixtures and accessories"
- Please note the minimum quantity in accordance with the width and unit height (2 to 3 brackets per guide track, depending on size)
- The cover may sag during extension and retraction

Dimension overview

Fixture types 21, 22

Fixture type 30

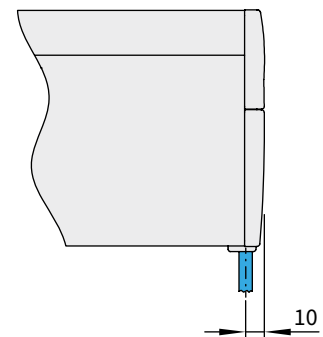
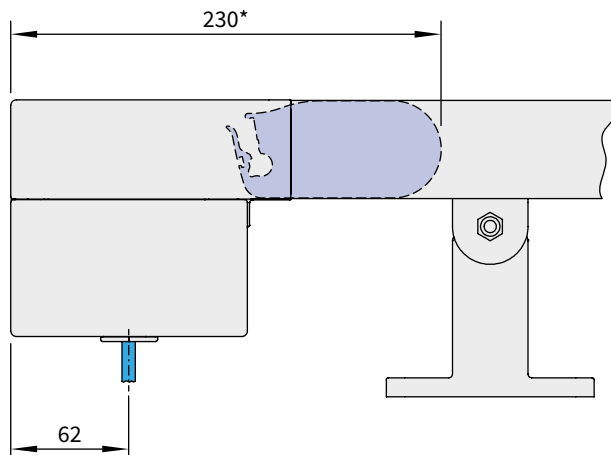


dimensions in mm

Fixture type	21	22	30
HT = bracket	76046.	76048.	76049.
HH = bracket height [mm]	105	145	approx. 195—335
T = depth [mm]	157	197	approx. 247—387
MA = blind width / fixture width			
* = dimension with the blind retracted			

Installation dimensions

Cable exit point in the case of motor-driven units



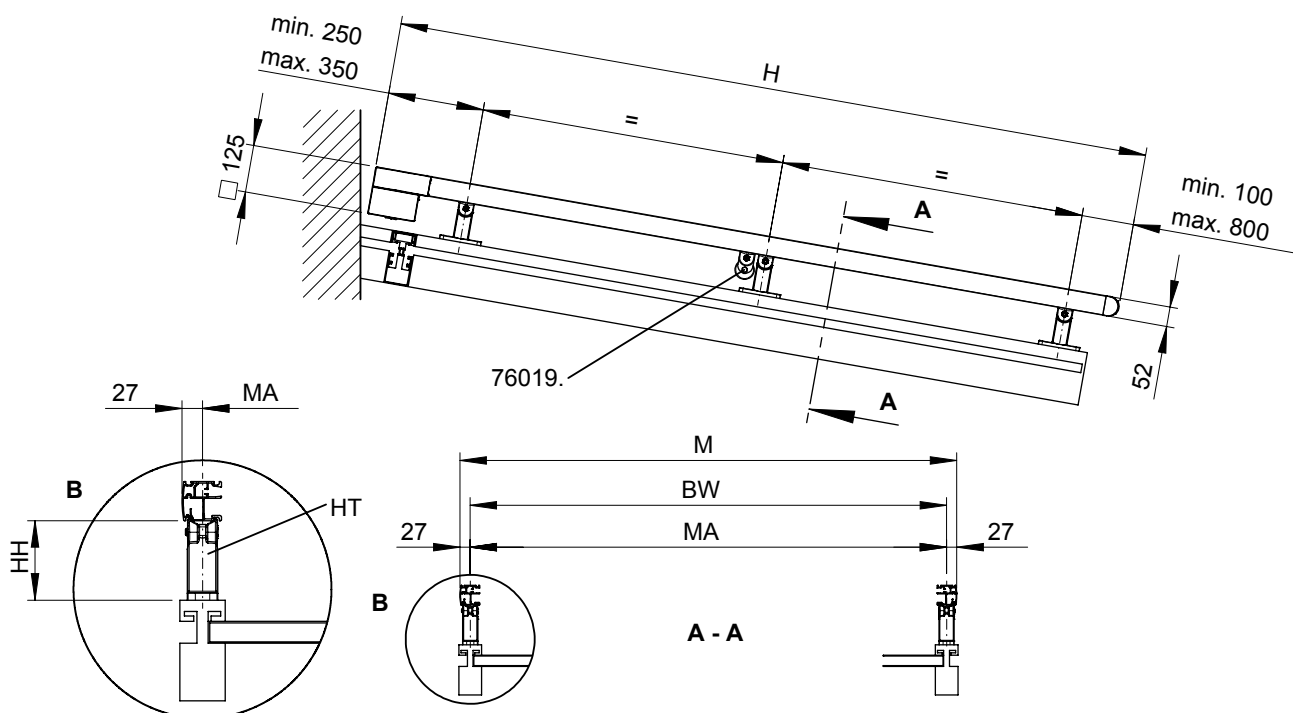
\* = front profile when awning is retracted

dimensions in mm

01 **Installation dimensions**

02 **Fixture type 21 (stand-off installation 105 mm)**

03



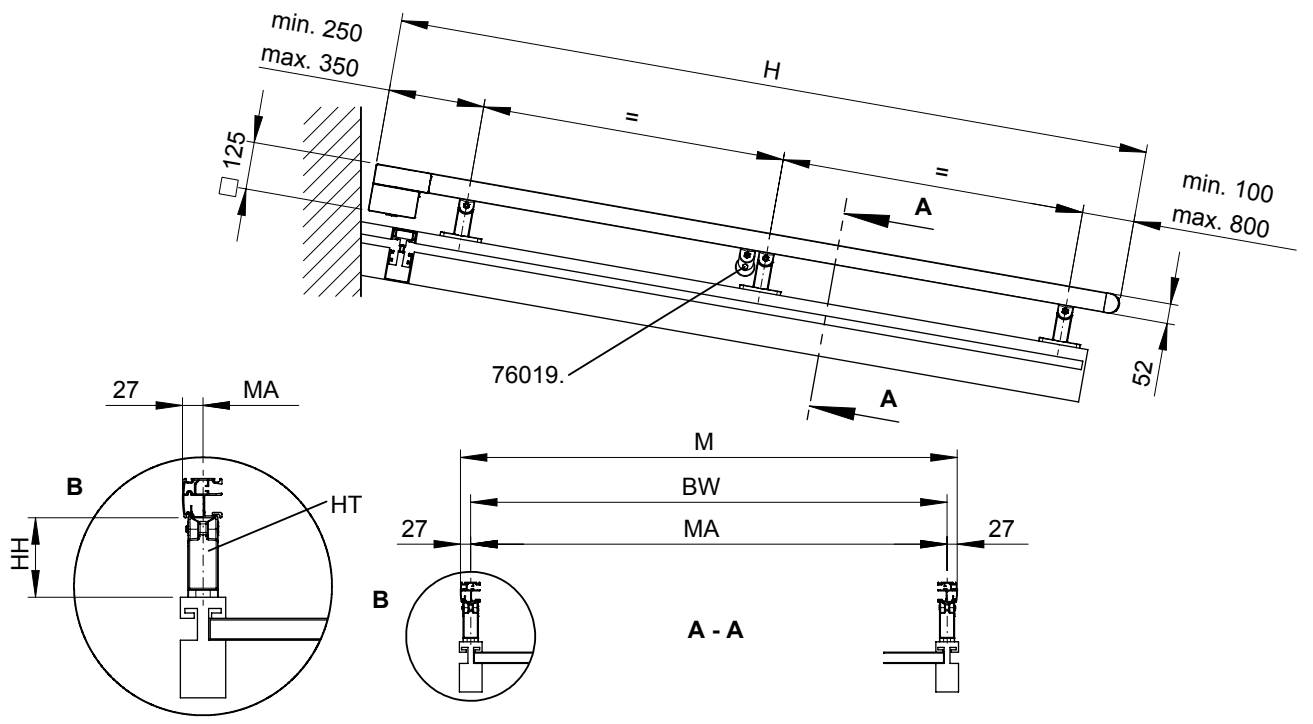
dimensions in mm

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- 76019.** = bracket for cover support tube
- BW** = width between fixture points on the conservatory
- H** = nominal extension = **order extension**
- HH** = bracket height = 105 mm
- HT** = bracket
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**

# Installation dimensions

Fixture type 22 (stand-off installation 145 mm)



dimensions in mm

- 76019.** = bracket for cover support tube
- BW** = width between fixture points on the conservatory
- H** = nominal extension = **order extension**
- HH** = bracket height = 145 mm
- HT** = bracket
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**

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01 **Installation dimensions**

02 **Fixture type 30 (stand-off installation approx. 195 – 335 mm)**

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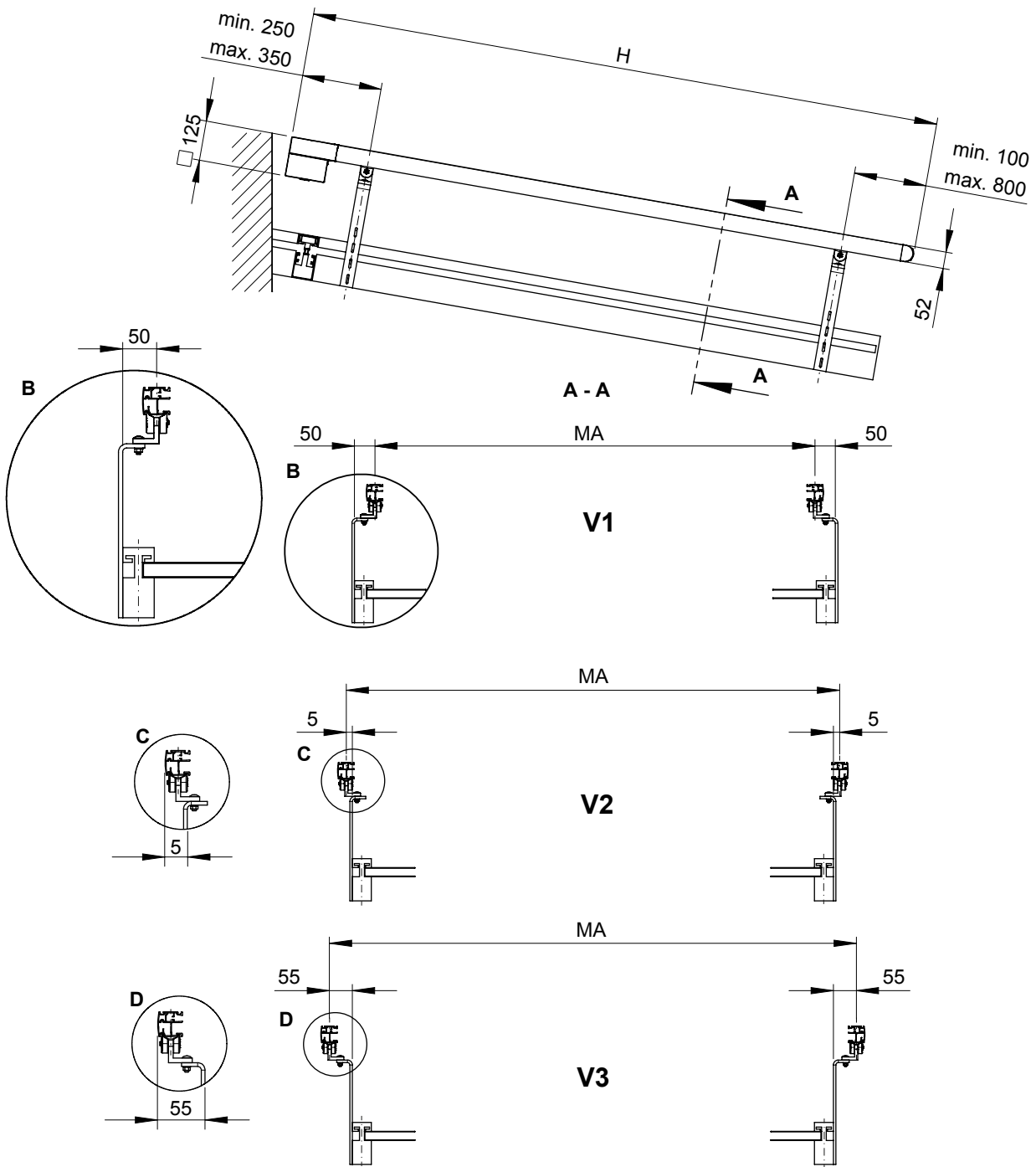
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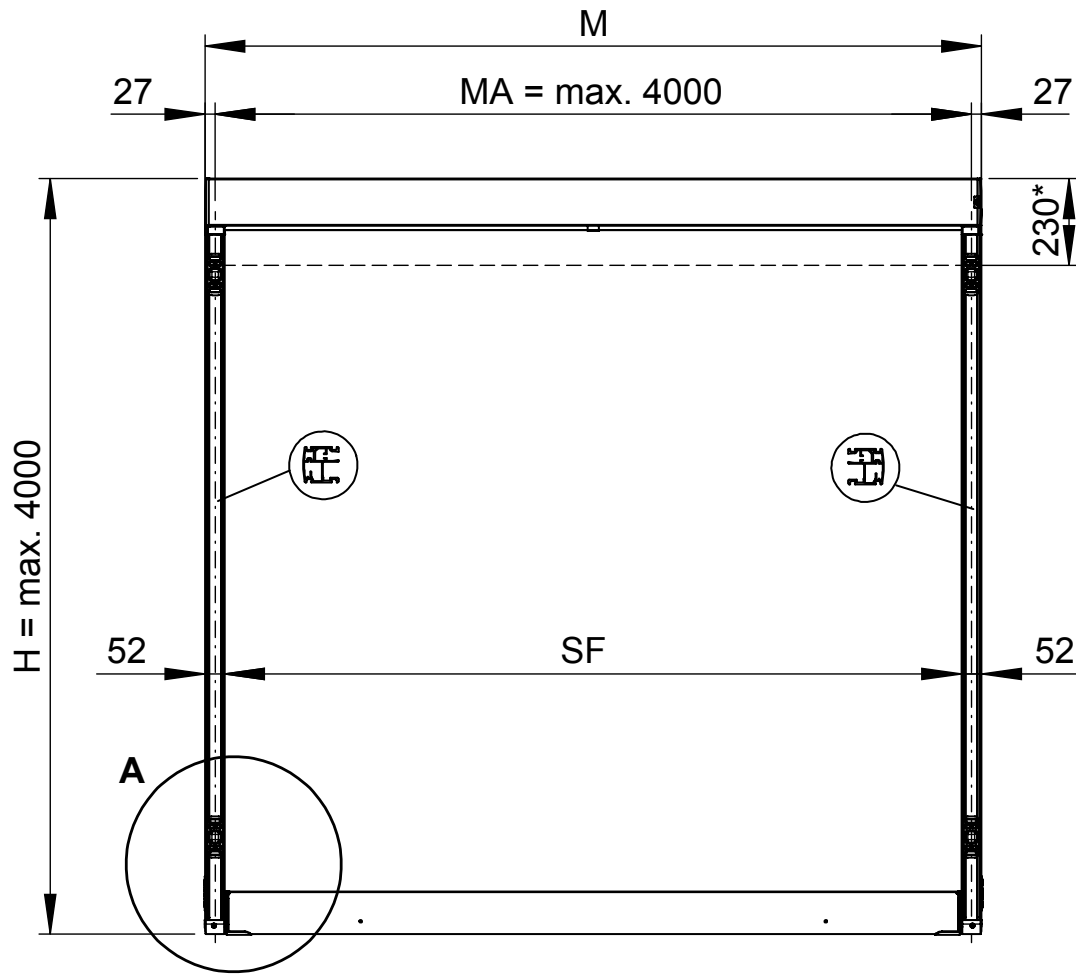


dimensions in mm

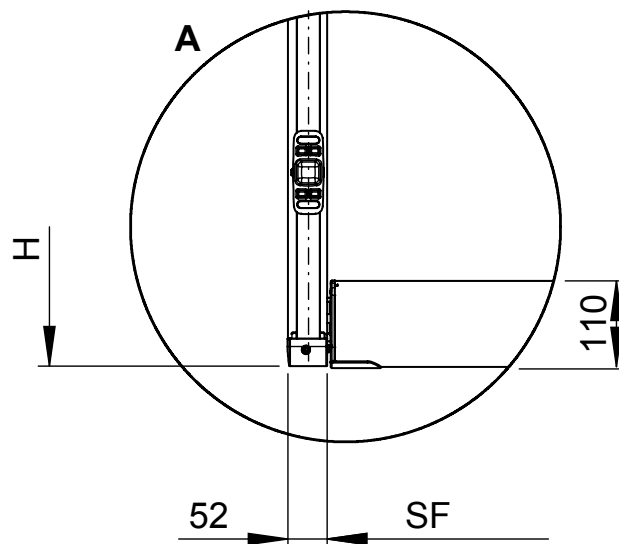
- BW** = width between fixture points on the conservatory
- H** = nominal extension = **order extension**
- MA** = awning fixture width = fixture width = **order width**
- V** = version

### Dimension overview

Single unit, 1 motor



dimensions in mm



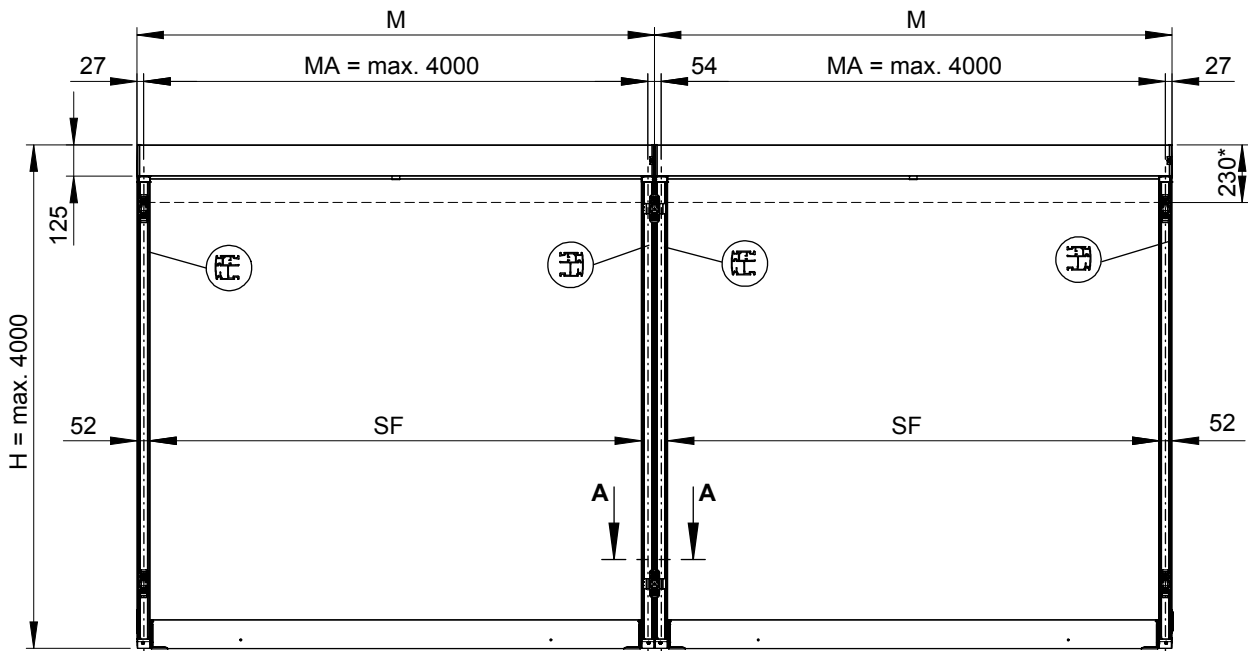
- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- SF** = visible surface of cover with tracfix
- HH** = bracket height
- \*** = front profile when awning is retracted

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01 **Dimension overview**

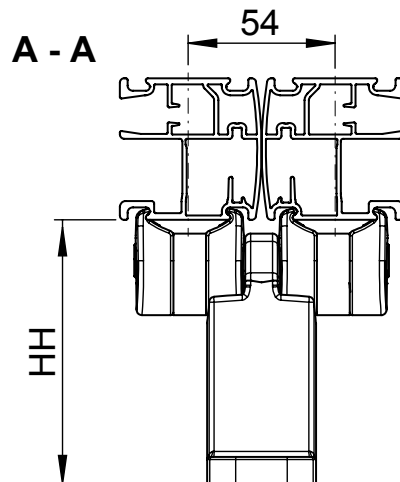
02 **2 single units, 2 motors**

03



dimensions in mm

Centre double track bracket



- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- SF** = visible surface of cover with tracfix
- HH** = bracket height
- \*** = front profile when awning is retracted



## **markilux 870 tracfix**

**The round conservatory awning for small areas**

01 **Special features**

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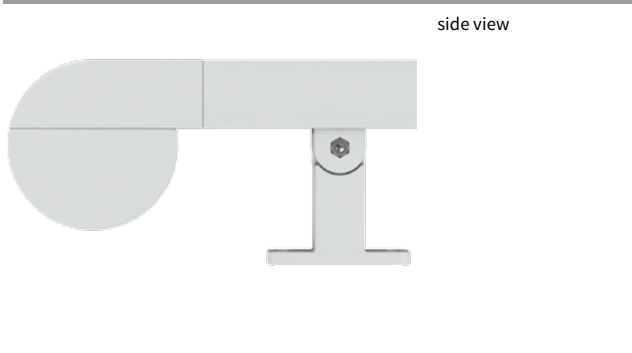
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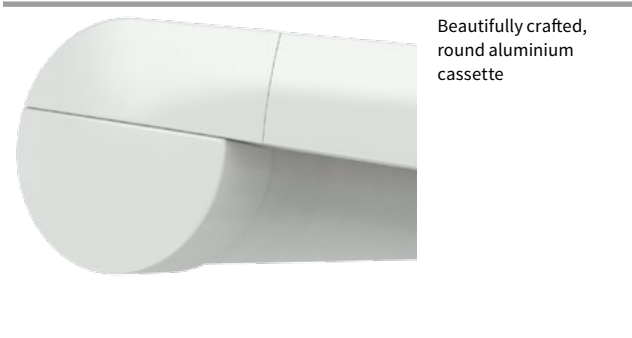
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side view



The front profile finishes completely flush with the guide tracks when fully extended



Beautifully crafted, round aluminium cassette



With tracfix, without gap between cover and guide track

**Design Features**

beautifully crafted, round aluminium cassette

the round cassette and angular guide tracks are harmonising perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

The panel joints of the awning cover are ultrasonically bonded - giving an improved appearance without bothersome stitching

When retracted, the cover is protected from the weather by the cassette, which encloses it completely

**Technical Specification**

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

Due to the particularly stable construction, large areas of up to 16 m<sup>2</sup> can be shaded with one system

brackets with patented clip-on mechanism for simple, problem-free installation

tracfix system - attractive, completely closed appearance with no annoying gap between the awning cover and the tracks

hard-wired motor drive (optionally available with automatic control) for simple operation with switch

**Accessories**

radio-controlled motor with radio remote control for ease of use

awning available in non-standard RAL colours

to simplify installation, a broad selection of brackets is available

An easily installed, radio control light and wind sensor guarantees comfort and a degree of safety - even in your absence

### Frame colours



traffic white  
RAL 9016



metallic aluminium  
RAL 9006



off-white  
textured finish  
5233



stone grey metallic  
5215



anthracite metallic 5204



Havana brown  
textured finish  
5229



grey brown, similar  
to RAL 8019

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## Dimensions and configuration options

		150	200	250	300	350	400		
		60 150	151 200	201 250	251 300	301 350	351 400		
	<b>M</b>	+ 5.4							
	150							60	70
	200								
	250								
	300							107 <sup>2)</sup>	107 <sup>2)</sup>
	350								
	400				1)	1)	1)		

= (if the cover requires a support wire, 3 track brackets)

=

dimensions in cm

1) 1 cover support tube

2) From an extension of 281 cm

### Operation / drive unit

	standard	optional
motor	<input checked="" type="checkbox"/>	—
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
radio-controlled motor io	—	<input checked="" type="checkbox"/>

### Frame colours

		standard	optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown	similar to RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish

= motor

= radio-controlled motor (433 MHz)

= no. of brackets per track

**MA** = awning fixture width

**MA min.** = minimum fixture width

**M** = overall width

**H** = extension

## Additional information

The width of the awning cover is always **less** than that of the awning.

**Fixture / order width definition:** The order width is the awning fixture width i.e. the measurement from fixture point to fixture point underneath the glass canopy. The overall width is larger than the fixture width (see matrix). The tolerance in the width is + 5 mm / - 10 mm.

**Definition of extension:** The stated extension **H** is measured from the rear edge of the cassette to front edge of the guide track.

This model is **only available as a single unit.**

**Definition of operating side:** the operating side is always given as if seen from the outside looking towards the cassette (right or left).

**N.B!** If the **motor is used continuously** it will **stop automatically** after 3 to 4 minutes **to prevent overheating.**

The **rate of extension** with either a hard-wired or a radio-controlled motor is approximately 14 seconds per metre.

Due to its own weight a certain amount of sag in the cover is possible.

Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. Neither phenomenon has any negative effect on the function or operation of the awning if it has been fitted correctly.

### Covers

	fabric range no.	standard	optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 1)	—
Soltis 92		—	<input checked="" type="checkbox"/> 3)
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 1)2)

- 1) Acc. size range – design with vertical seams
- 2) Acc. size range – design with horizontal seam; depending on size
- 3) Max. extension 300 cm; horizontal seam if axis dimension ≥ 186 cm AND system height ≥ 195 cm

### Miscellaneous

	standard	optional
tracfix	<input checked="" type="checkbox"/>	—
light sensor	—	<input checked="" type="checkbox"/>

### Dimensions and tolerances

	width	nominal projection
housing tolerances	+ 5 / - 10 mm	—
awning cover width	on request	
awning cover length	on request	

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01 **Fixture options**

02 footprint dimensions

03 Track brackets, with adjustable head

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06 **Fixture type 21**

07 Fixture type 21

08 track bracket with adjustable head

100 mm

**76046.**

07 Double track bracket with adjustable head, Central bracket for 2 single units next to each other

100 mm

**73634.**

07 Track brackets with adapter plate optionally

100 mm

**76199.**

09

10 universal track bracket assembly optionally

100 mm

**76054.**

13

14 **Fixture type 22**

15 Fixture type 22

track bracket with adjustable head

140 mm

**76048.**

Double track bracket with adjustable head, Central bracket for 2 single units next to each other

140 mm

**73636.**

15

**Fixture type 30**

Fixture type 30

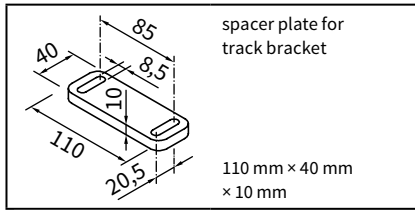
Flat bracket for lateral guide track fastening with adjustable head

**76049.**

. = insert RAL colour code no.

Additional fixture options and accessories

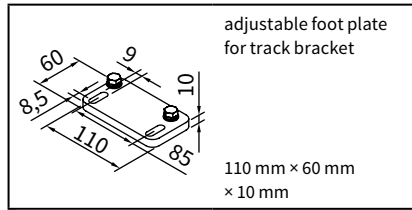
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spacer plate for track bracket

110 mm × 40 mm × 10 mm

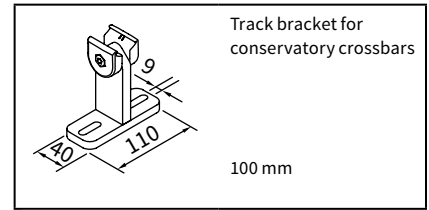
78570.



adjustable foot plate for track bracket

110 mm × 60 mm × 10 mm

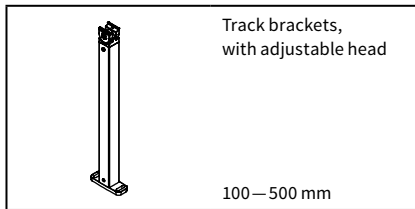
78165.



Track bracket for conservatory crossbars

100 mm

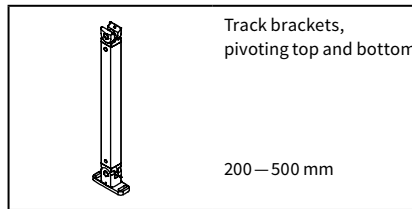
76055.



Track brackets, with adjustable head

100 – 500 mm

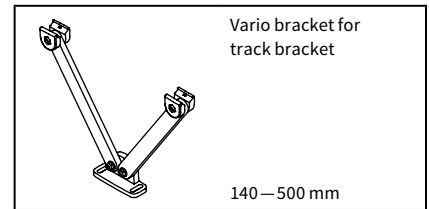
76047.



Track brackets, pivoting top and bottom

200 – 500 mm

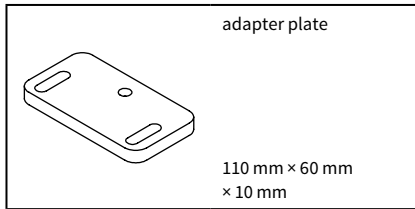
76045.



Vario bracket for track bracket

140 – 500 mm

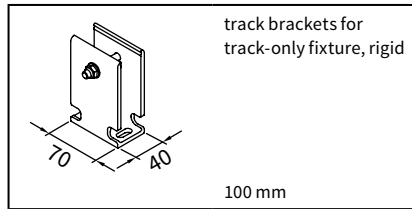
76052.



adapter plate

110 mm × 60 mm × 10 mm

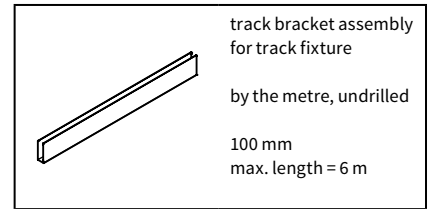
78158.



track brackets for track-only fixture, rigid

100 mm

76017.

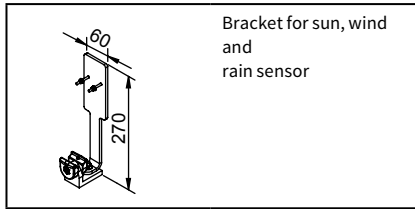


track bracket assembly for track fixture

by the metre, undrilled

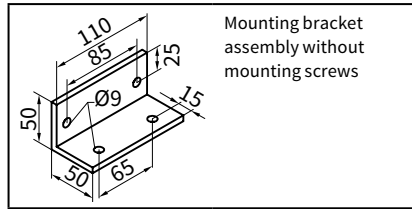
100 mm max. length = 6 m

76013.



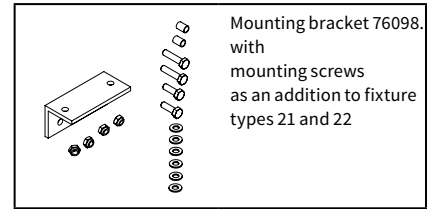
Bracket for sun, wind and rain sensor

76050.



Mounting bracket assembly without mounting screws

76098.



Mounting bracket 76098, with mounting screws as an addition to fixture types 21 and 22

76099.

. = insert RAL colour code no.

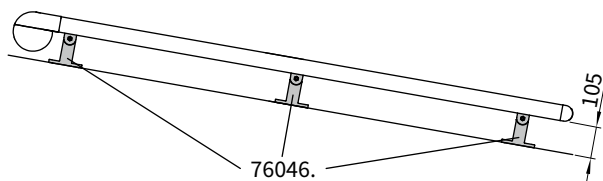
01 **Fixture combinations**

02

03

Fixture type

**21**



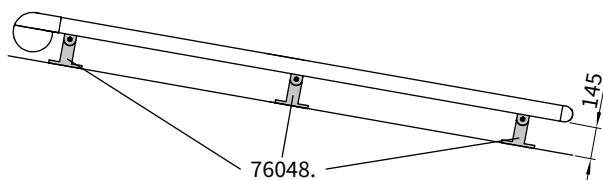
05

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Fixture type

**22**



08

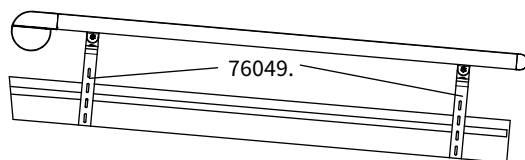
09

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Fixture type

**30**



13

14

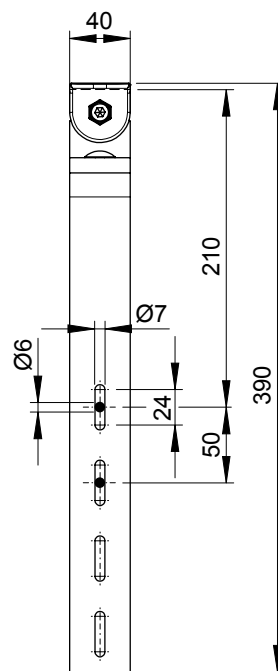
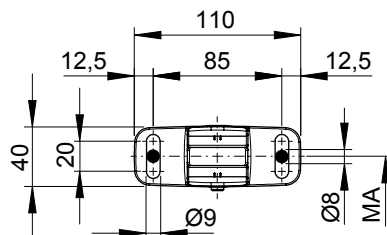
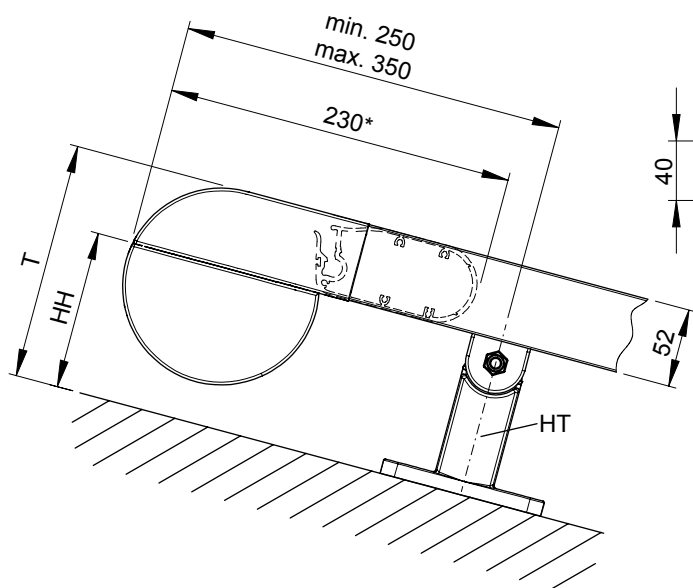
15

- Number of brackets per track see "dimensions and equipment options"
- Individual bracket combinations: see "Fixtures and accessories"
- Please note the minimum quantity in accordance with the width and unit height (2 to 3 brackets per guide track, depending on size)
- The cover may sag during extension and retraction

Dimension overview

Fixture types 21, 22

Fixture type 30

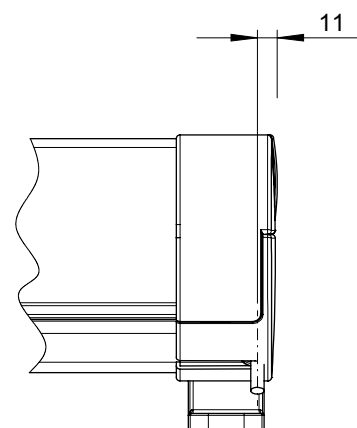
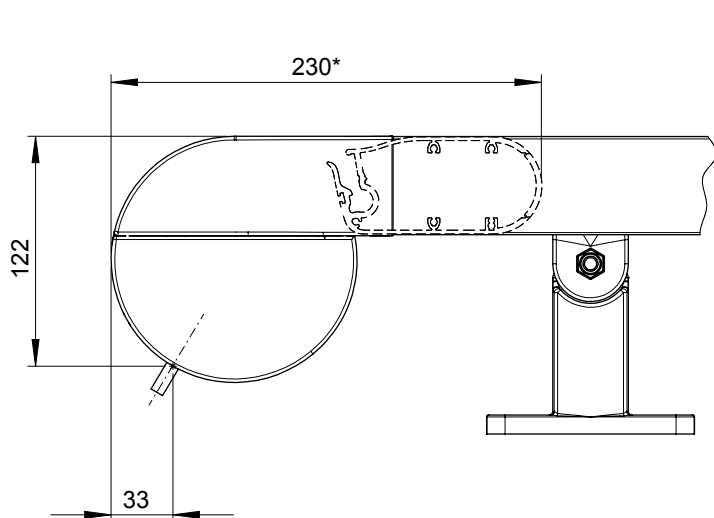


dimensions in mm

Fixture type	21	22	30
HT = bracket	76046.	76048.	76049.
HH = bracket height [mm]	105	145	approx. 195—335
T = depth [mm]	157	197	approx. 247—387
MA = blind width / fixture width			
* = dimension with the blind retracted			

Installation dimensions

Cable exit point in the case of motor-driven units



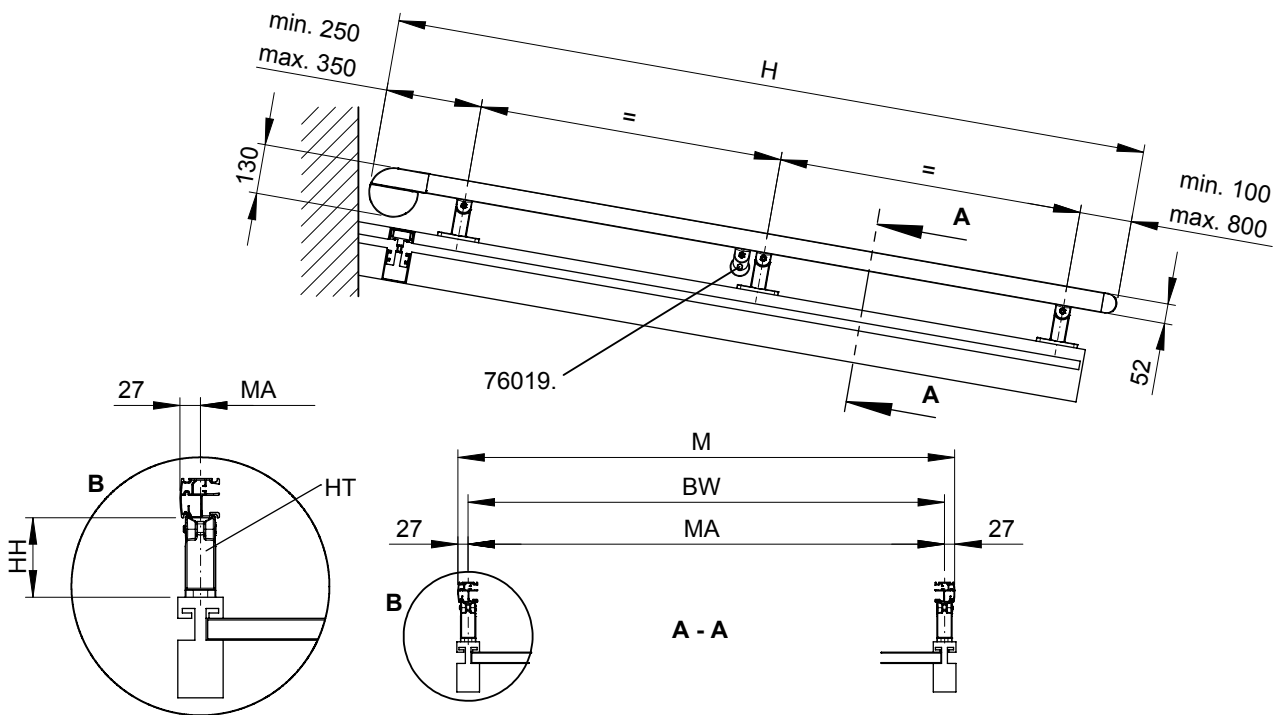
\* = front profile when awning is retracted

dimensions in mm

01 **Installation dimensions**

02 **Fixture type 21 (stand-off installation 105 mm)**

04

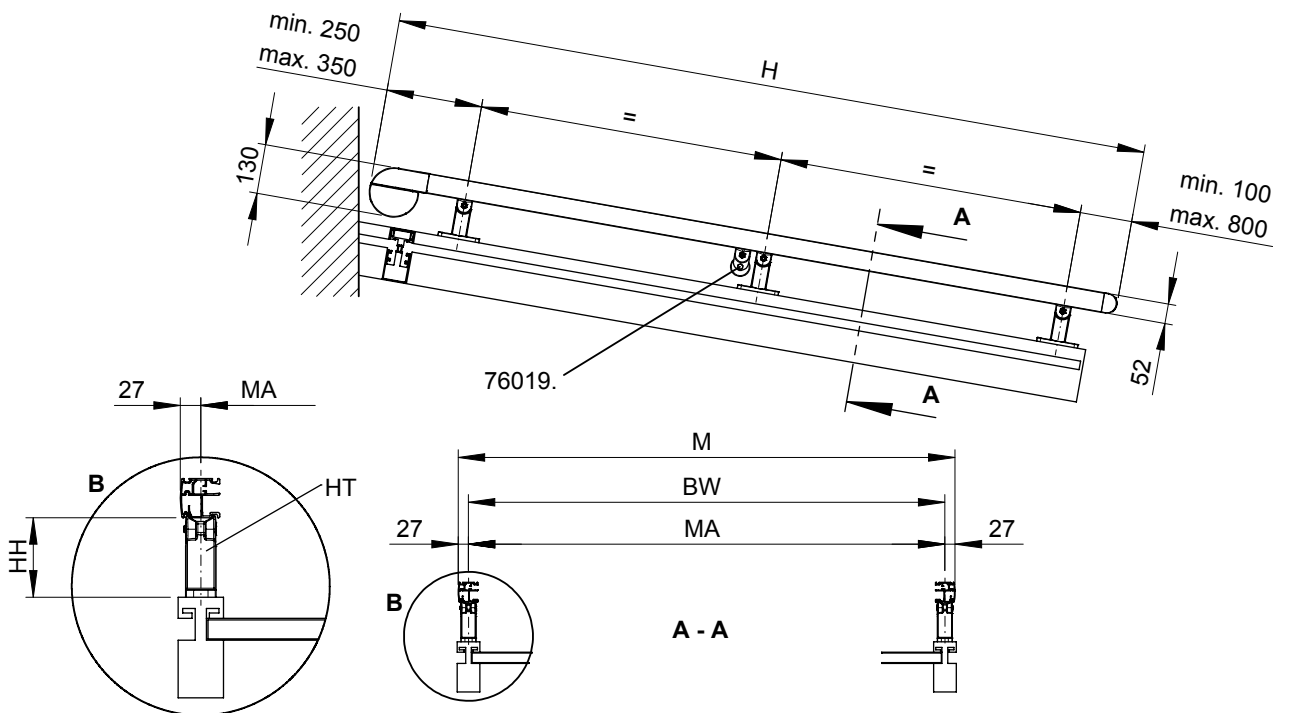


dimensions in mm

- 76019. = bracket for cover support tube
- BW = width between fixture points on the conservatory
- H = nominal extension = **order extension**
- HH = Bracket height = 105 mm
- HT = bracket
- M = overall awning width
- MA = awning fixture width = fixture width = **order width**

# Installation dimensions

Fixture type 22 (stand-off installation 145 mm)



dimensions in mm

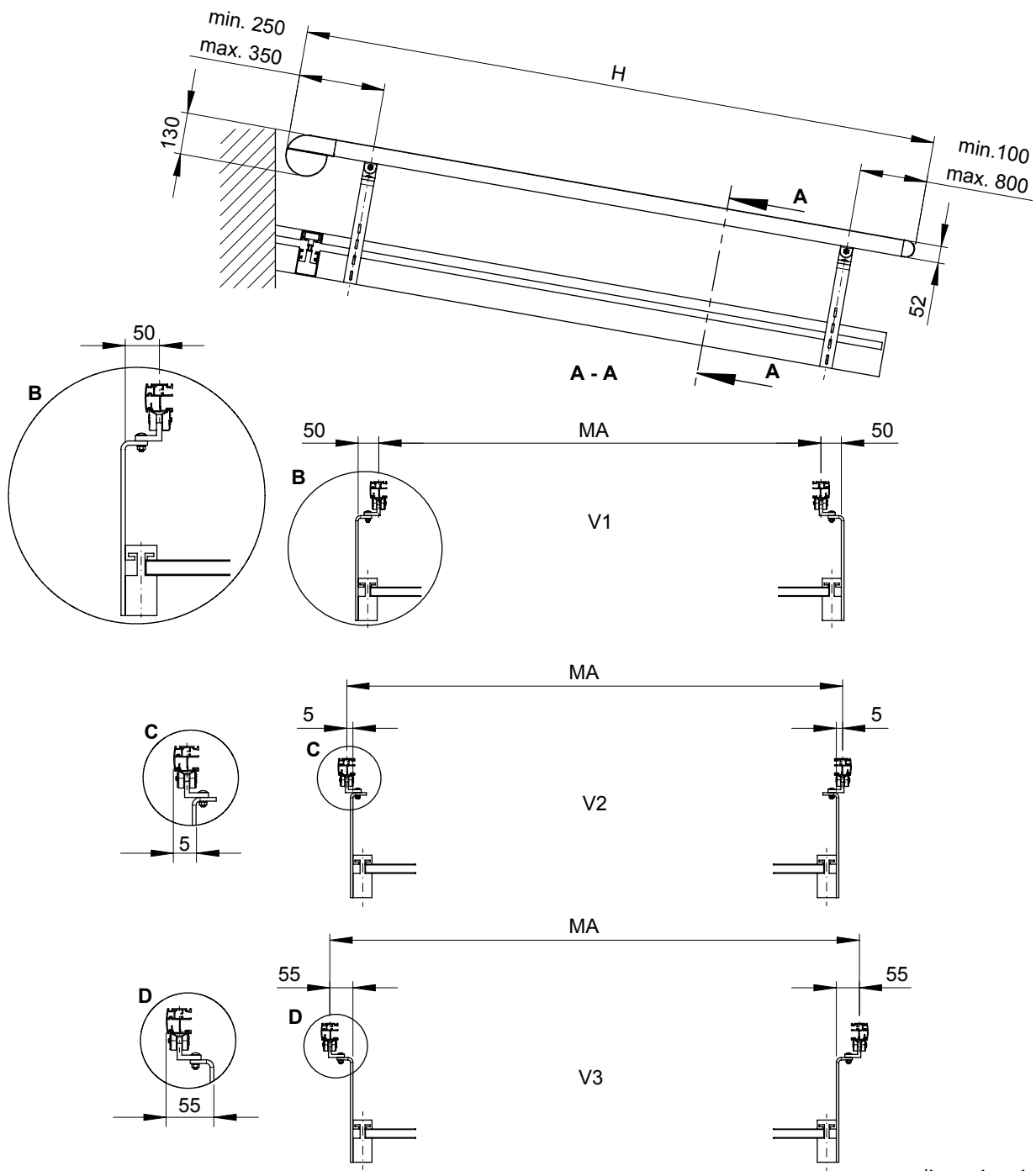
- 76019.** = bracket for cover support tube
- BW** = width between fixture points on the conservatory
- H** = nominal extension = **order extension**
- HH** = Bracket height = 145 mm
- HT** = bracket
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**

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01 **Installation dimensions**

02 **Fixture type 30 (stand-off installation approx. 195 – 335 mm)**

04

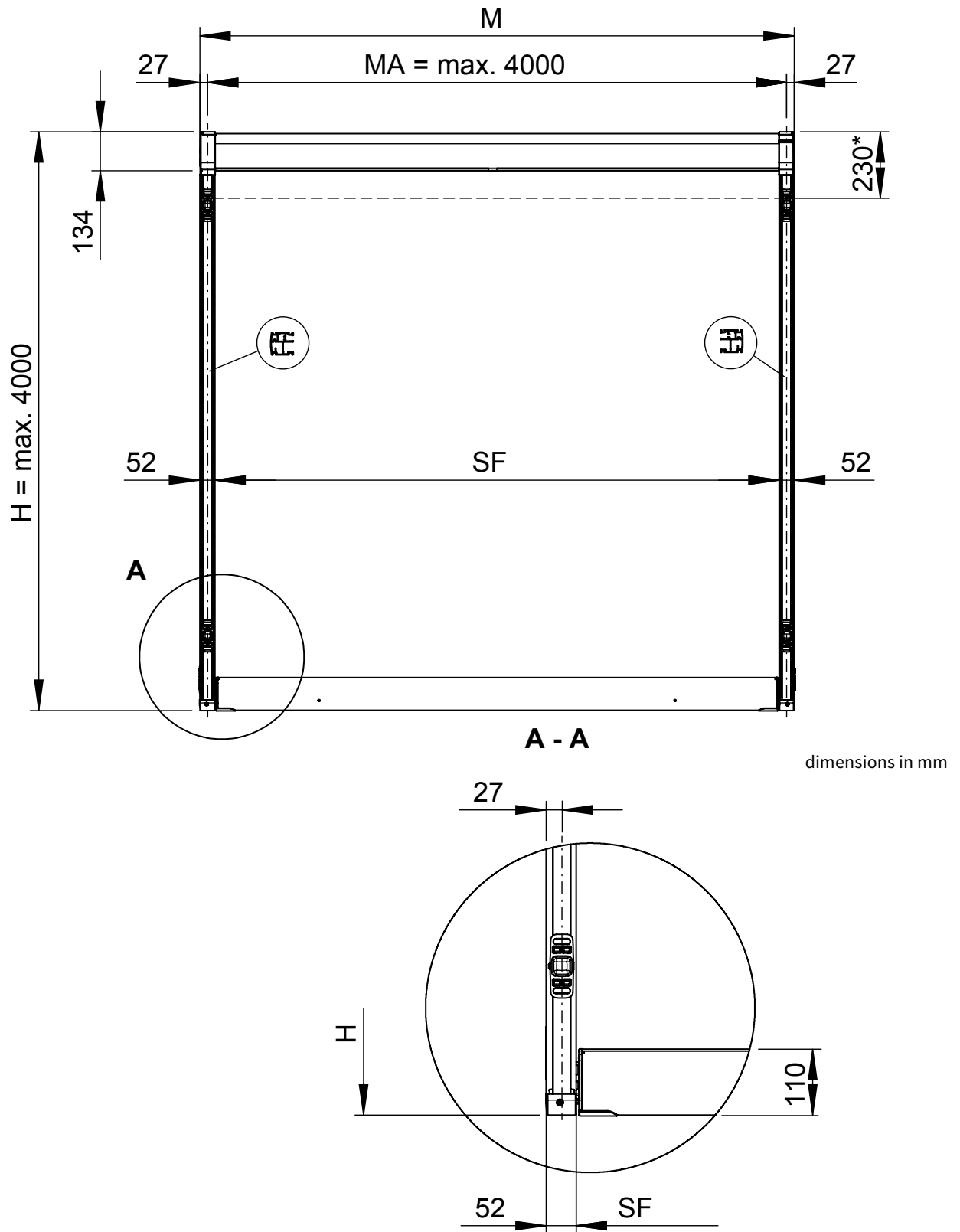


dimensions in mm

- BW** = width between fixture points on the conservatory
- H** = nominal extension = **order extension**
- MA** = awning fixture width = fixture width = **order width**
- V** = version

### Dimension overview

Single unit, 1 motor



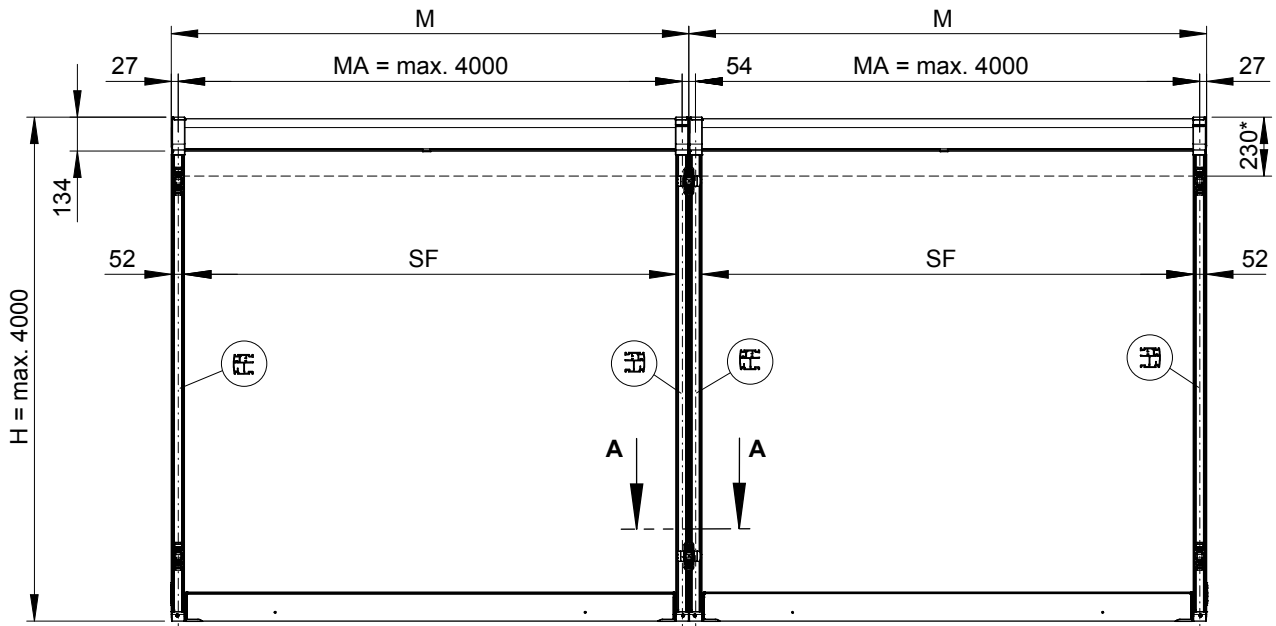
- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- SF** = visible surface of cover with tracfix
- HH** = bracket height
- \*** = front profile when awning is retracted

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01 **Dimension overview**

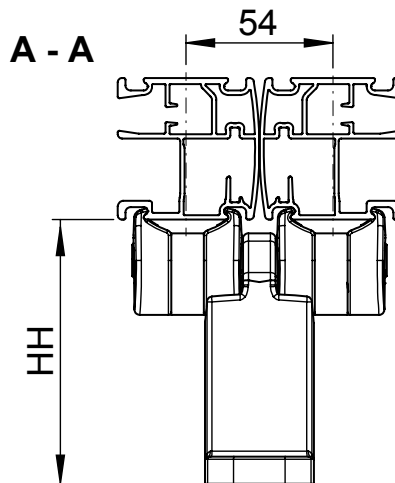
02 **2 single units, 2 motors**

04



dimensions in mm

Centre double track bracket



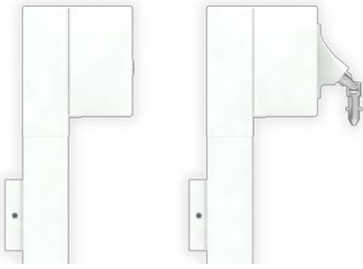
- H** = nominal extension = **order extension**
- M** = overall awning width
- MA** = awning fixture width = fixture width = **order width**
- SF** = visible surface of cover with tracfix
- HH** = bracket height
- \*** = front profile when awning is retracted



## **markilux 776 / 776 tracfix**

**The square vertical blind with tensioning system for large glass areas. Tailored and straightforward design.**

01  
02  
03  
04



side views  
markilux 776:  
  
motor / manual  
operation



units with the  
optional tracfix  
system have no gap  
between the cover  
and the guide track

05



recess fixture  
markilux 776



the front profile  
finishes flush with  
the guide tracks  
when fully extended

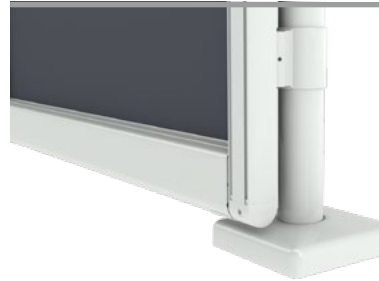
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08

09



markilux 776 fitted to  
the markilux square  
syncra 2

as seen from outside



the markilux 776  
fitted to the markilux  
pergola

as seen from outside

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## Design Features

beautifully crafted, square aluminium cassette

the square cassette and square guide tracks harmonise perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

the panel joints of the awning cover are ultrasonically bonded - giving an improved appearance without bothersome stitching

when retracted the cover is protected from the weather by the cassette, which encloses it completely

stand-off fixture from the facade; this embellishes the building still further

## Technical Specification

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

the extremely sturdy awning construction makes it possible to shade large areas of up to 24 m<sup>2</sup> safely

brackets with patented clip-on mechanism for simple, problem free installation

manual operation by way of a markilux stainless steel winding handle

the blind cover is guided along sturdy aluminium guide tracks at the side

## Accessories

tracfix system – attractive, completely closed appearance with no annoying gap between the blind cover and the tracks

hard-wired motor operation (optionally with automatic weather sensors) for straightforward and easy operation

radio-controlled motor with radio remote control for ease of use

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety even in your absence

markilux panorama window available in tracfix units (depending on the dimensions)

14  
15

### Dimensions and configuration options

		150	200	250	300	350	400	450	500	550	600		
		60 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600		
M		+ 5,4											
	150 <sup>1)</sup>											60 / 67 <sup>1)</sup>	70 / 76 <sup>1)</sup>
	200 <sup>1)</sup>												
	250 <sup>1)</sup>										2)		
	300 <sup>1)</sup>								2)	2)	2)	107 <sup>3)</sup>	107 <sup>3)</sup>
	350 <sup>1)</sup>						2)	2)	2)	2)	2)		
	400 <sup>1)</sup>	2)	2)	2)	2)	2)	2)	2)	2)	2)	—		
	450	2)	2)	2)	2)	2)	2)	2)	2)	—	—		
	500	2)	2)	2)	2)	2)	2)	—	—	—	—		
	550	2)	2)	2)	2)	2)	2)	—	—	—	—		
	600	2)	2)	2)	2)	2)	2)	—	—	—	—		

dimensions in cm



- 1) tracfix (optional). **tracfix blinds are only available with motor** (surcharge)
- 2) these sizes meet wind resistance class 2,  
all sizes that have not been marked in this way meet wind resistance class 3
- 3) from a unit height of 281 cm

#### Frame colours

		Standard	Optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown	similar to RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

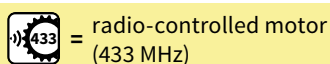
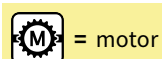
\* = textured finish

#### Operation / Drive unit

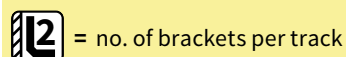
	Standard	Optional
manual operation	<input checked="" type="checkbox"/> <sup>4)</sup>	—
hard-wired motor	<input checked="" type="checkbox"/> <sup>5)</sup>	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
io Radio control	—	<input checked="" type="checkbox"/>

4) not available in tracfix units

5) in tracfix units



**MA** = awning fixture width  
**MA min.** = minimum fixture width



**AH** = unit height

**M** = overall width

## Covers

	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 3)	—
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 4)
Soltis 92		—	<input checked="" type="checkbox"/> 5)

- 1) up to a max. unit height of 450 cm (in tracfix units 400 cm) with vertical, bonded seams
- 2) non-tracfix systems: available up to a fixture width of 400 cm, seamless up to an extension of 250cm, then with horizontal seam(s); tracfix systems: available in all matrix sizes, seamless up to a fixture width of 400 cm x 250 cm, then with horizontal seam; from a fixture width of 401 cm in vertical panels approx. 122 cm wide
- 3) non-tracfix systems: available up to a maximum extension of 400 cm, then with vertical, bonded seams. tracfix systems: available in all tracfix sizes, then with vertical, bonded seams.
- 4) non-tracfix and tracfix systems: available up to a max. fixture width and unit height of 400 cm - seamless up to unit height 250 cm - with horizontal seam, if unit height  $\geq 250$  cm; available from a fixture width 401 cm and max. unit height 250 cm - seamless
- 5) available up to max. 400 cm fixture width and max. 400 cm unit height - with horizontal seam, if fixture width  $\geq 186$  cm AND unit height  $\geq 195$  cm

## Miscellaneous

	Standard	Optional
tracfix	—	<input checked="" type="checkbox"/>
light sensor		<input checked="" type="checkbox"/>
flexible picture windows	—	<input checked="" type="checkbox"/> 6)

- 6) only in combination with fabrics from the sunsilk or sunvas series and only available in tracfix units.  
Please note the technical information in chapter "Flexible panorama window"

## Additional Information

The width of the blind cover is always **less** than that of the blind.

**A standard gearbox** is operated from outside the building using a stainless steel winding handle (handle lengths 110, 140, 160, 180 or 220 cm).

In the case of manual operation it takes approximately 18 turns per metre of overall unit height to extend the system.

In the case of motor operation the blind will take approximately **14 seconds per metre** to extend.

**N.B! If the motor is used continuously** it will stop automatically after 3 to 4 minutes **to prevent overheating**.

In the case of a **bank of blinds operating simultaneously**, the same speed of rotation of the motors cannot be guaranteed because of the **internal tolerances of the motors**.

This model is only available as a **single unit**.

Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. This does not influence the functionality or durability of the blind.

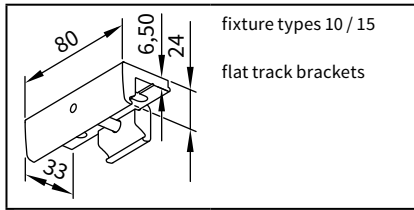
## Dimensions and Tolerances

	Width	Nominal unit height
tolerances	+5 / -10 mm	—
awning cover width	<b>MA</b> - 93 mm 7)	
awning cover length	<b>AH</b> - 70 mm 7)	

- 7) tracfix systems: cover dimensions on request

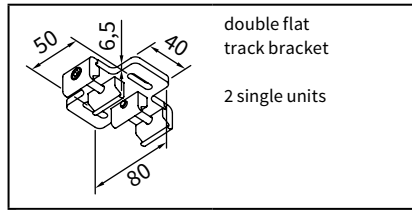
Fixtures, fittings and accessories

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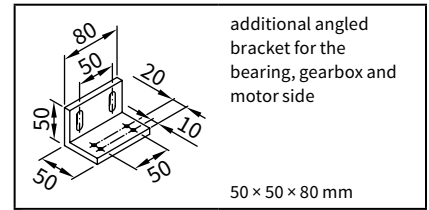
fixture types 10 / 15  
flat track brackets

**78548.**



double flat  
track bracket  
2 single units

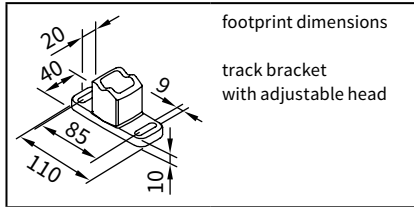
**73627.**



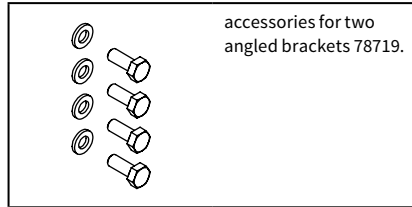
additional angled  
bracket for the  
bearing, gearbox and  
motor side

50 × 50 × 80 mm

**78719.**

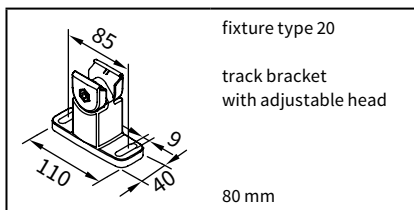


footprint dimensions  
track bracket  
with adjustable head



accessories for two  
angled brackets 78719.

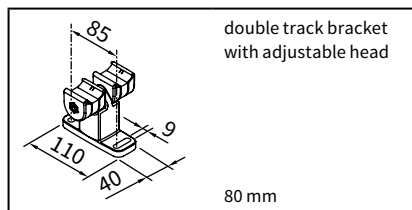
**787211**



fixture type 20  
track bracket  
with adjustable head

80 mm

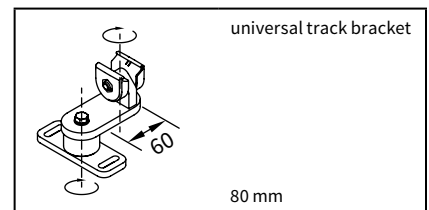
**73624.**



double track bracket  
with adjustable head

80 mm

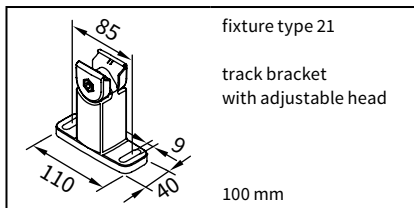
**73631.**



universal track bracket

80 mm

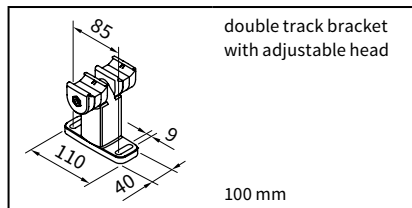
**73629.**



fixture type 21  
track bracket  
with adjustable head

100 mm

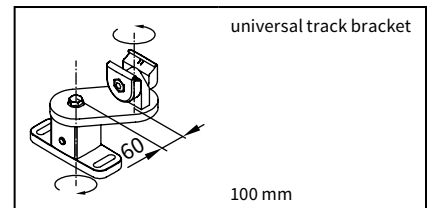
**76046.**



double track bracket  
with adjustable head

100 mm

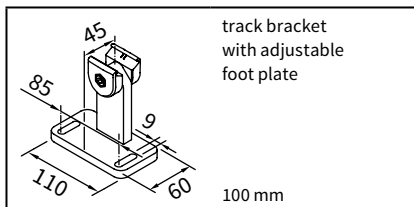
**73634.**



universal track bracket

100 mm

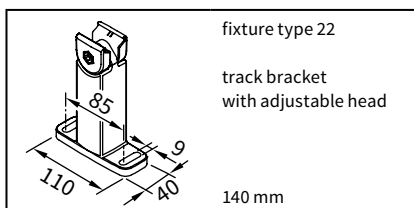
**76054.**



track bracket  
with adjustable  
foot plate

100 mm

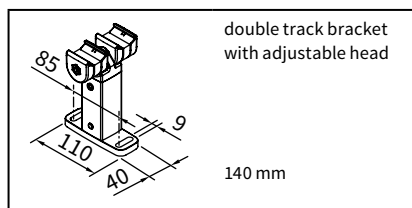
**76199.**



fixture type 22  
track bracket  
with adjustable head

140 mm

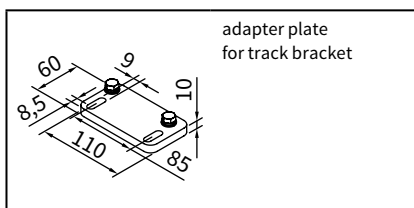
**76048.**



double track bracket  
with adjustable head

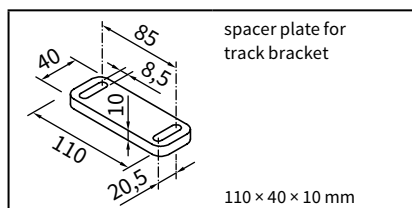
140 mm

**73636.**



adapter plate  
for track bracket

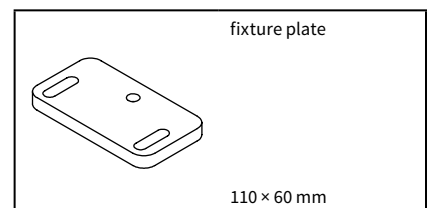
**78165.**



spacer plate for  
track bracket

110 × 40 × 10 mm

**78570.**



fixture plate

110 × 60 mm

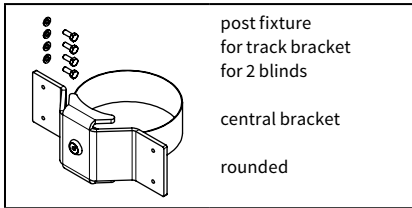
**78158.**

. = insert RAL colour code no.

01 **Fixtures, fittings and accessories**

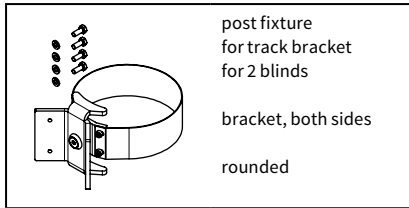
02 **Information:** For installation to **syncra 2 / RS-2** posts only **2** post fixtures per guide track are required.

03 Fixture **between** the posts of the syncra 2 / RS-2



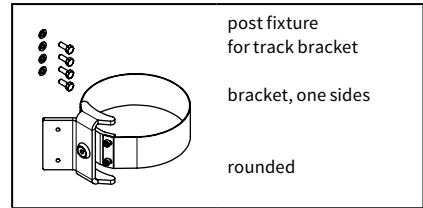
post fixture  
for track bracket  
for 2 blinds  
  
central bracket  
  
rounded

**79557.**



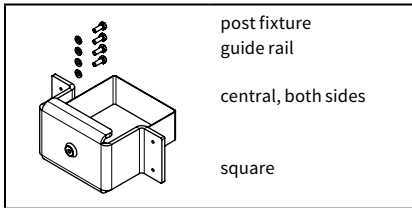
post fixture  
for track bracket  
for 2 blinds  
  
bracket, both sides  
  
rounded

**79556.**



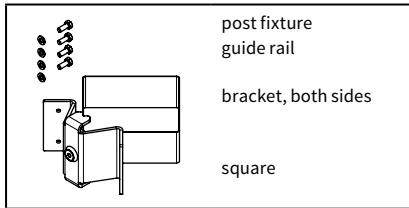
post fixture  
for track bracket  
  
bracket, one sides  
  
rounded

**79558.**



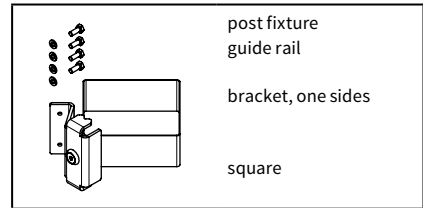
post fixture  
guide rail  
  
central, both sides  
  
square

**72234.**



post fixture  
guide rail  
  
bracket, both sides  
  
square

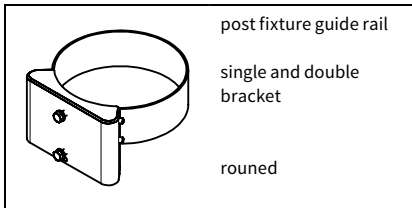
**72233.**



post fixture  
guide rail  
  
bracket, one sides  
  
square

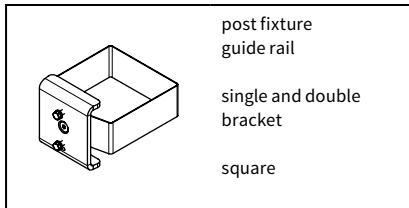
**72235.**

11 Brackets for fixture **on / to** the posts of the markilux syncra 2 / RS-2



post fixture guide rail  
  
single and double  
bracket  
  
rounded

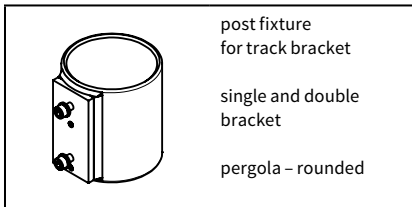
**72206.**



post fixture  
guide rail  
  
single and double  
bracket  
  
square

**72232.**

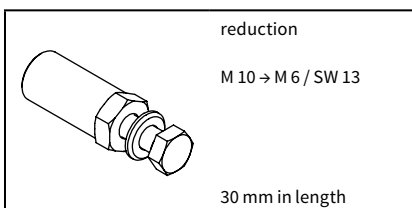
15 Brackets for fixture **on / to** the posts of the markilux pergola



post fixture  
for track bracket  
  
single and double  
bracket  
  
pergola - rounded

**72203.**

**Accessories**



reduction  
  
M 10 → M 6 / SW 13  
  
30 mm in length

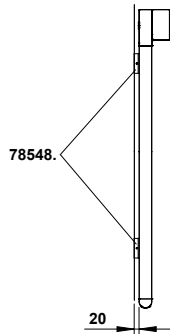
**753211**

. = insert RAL colour code no.

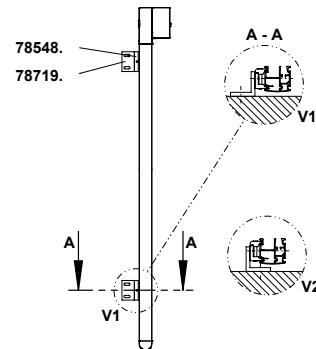
# Fixture combinations

All brackets incur a surcharge

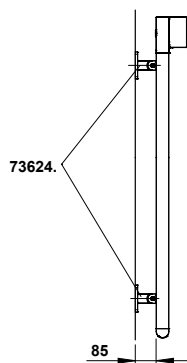
Fixture type  
**10**



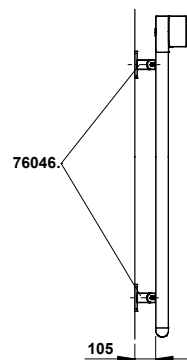
Fixture type  
**15**



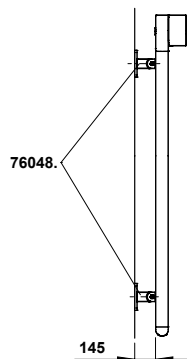
Fixture type  
**20**



Fixture type  
**21**



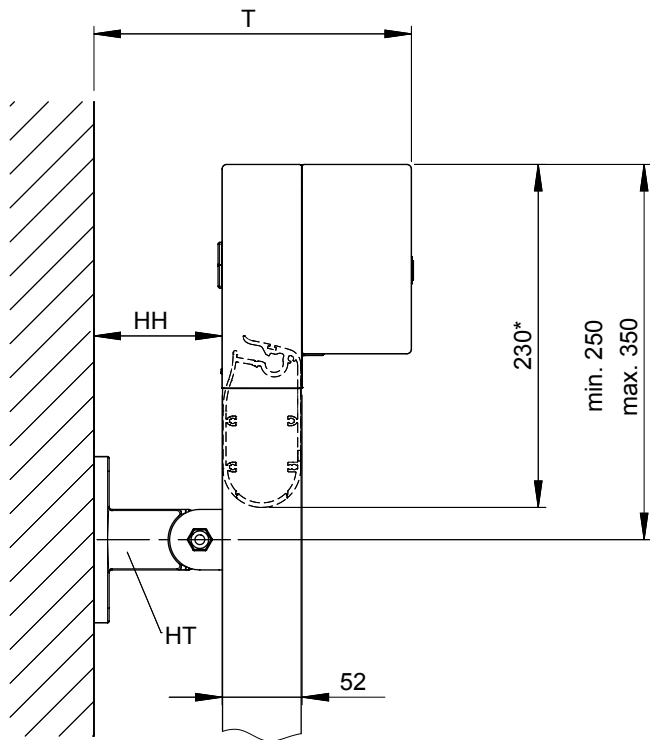
Fixture type  
**22**



- For individual bracket combinations please refer to “Fixtures, fittings and accessories”
- Please note the minimum quantity in accordance with the width and unit height (2 or 3 brackets per guide track, depending on size)  
**Exception:** For installation to markilux pergola, syncra 2 or RS-2 only 2 fixture brackets per guide track are required.

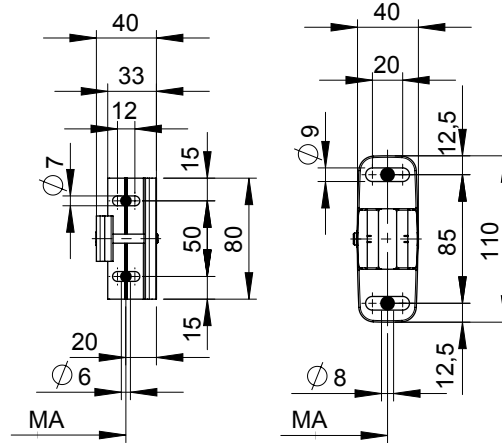
01  
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**05**  
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01 **Dimension overview**



05 **Fixture type 10**

**Fixture types 20, 21, 22**

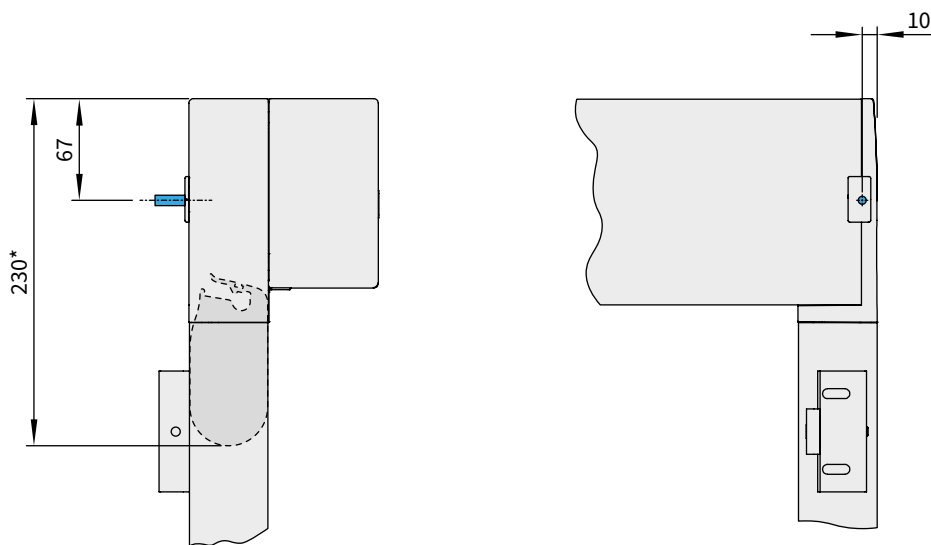


dimensions in mm

Fixture type	10	20	21	22
HT = bracket	78548.	73624.	76046.	76048.
HH = bracket height [mm]	20	85	105	145
T = depth [mm]	150	215	235	275
MA = blind width/fixture width				

\* = dimension with the blind retracted

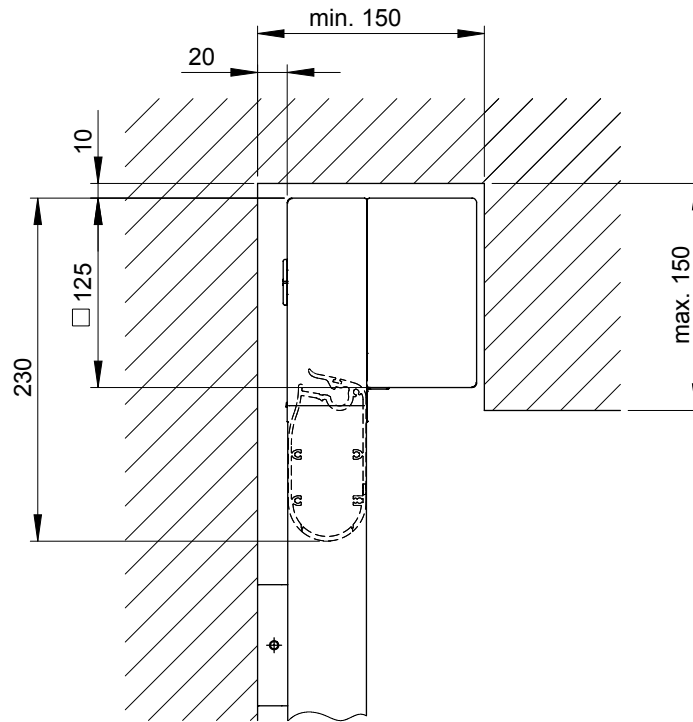
12 **Cable exit point in the case of motor-driven units**



dimensions in mm

# Installation dimensions

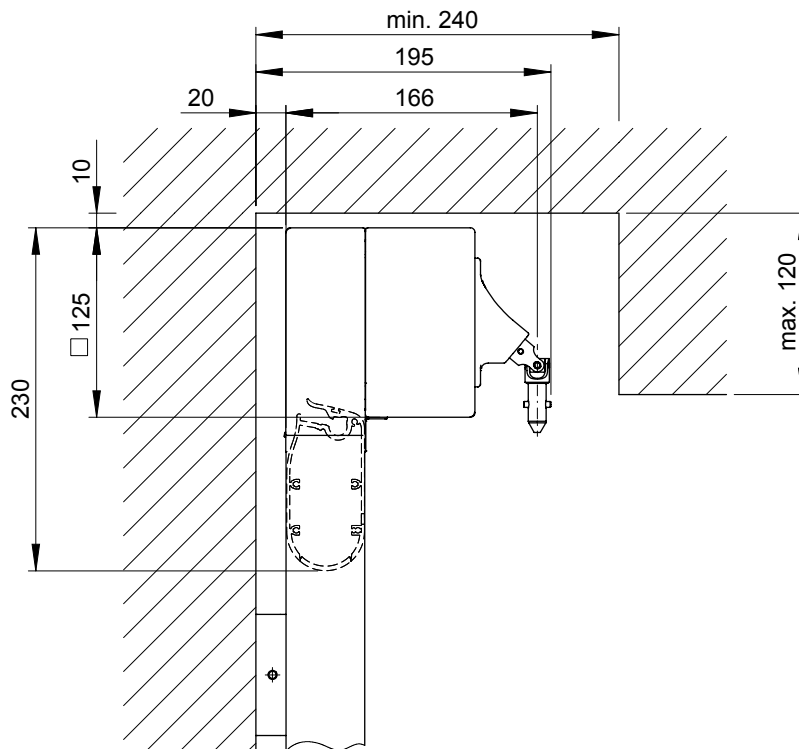
Recess fixture, motor operation



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- 04
- 05**
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- 09
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- 14
- 15

dimensions in mm

Recess fixture, manual operation



dimensions in mm

01 **Installation dimensions**

02 **Dimension overview fixture type 10, as seen from inside!**

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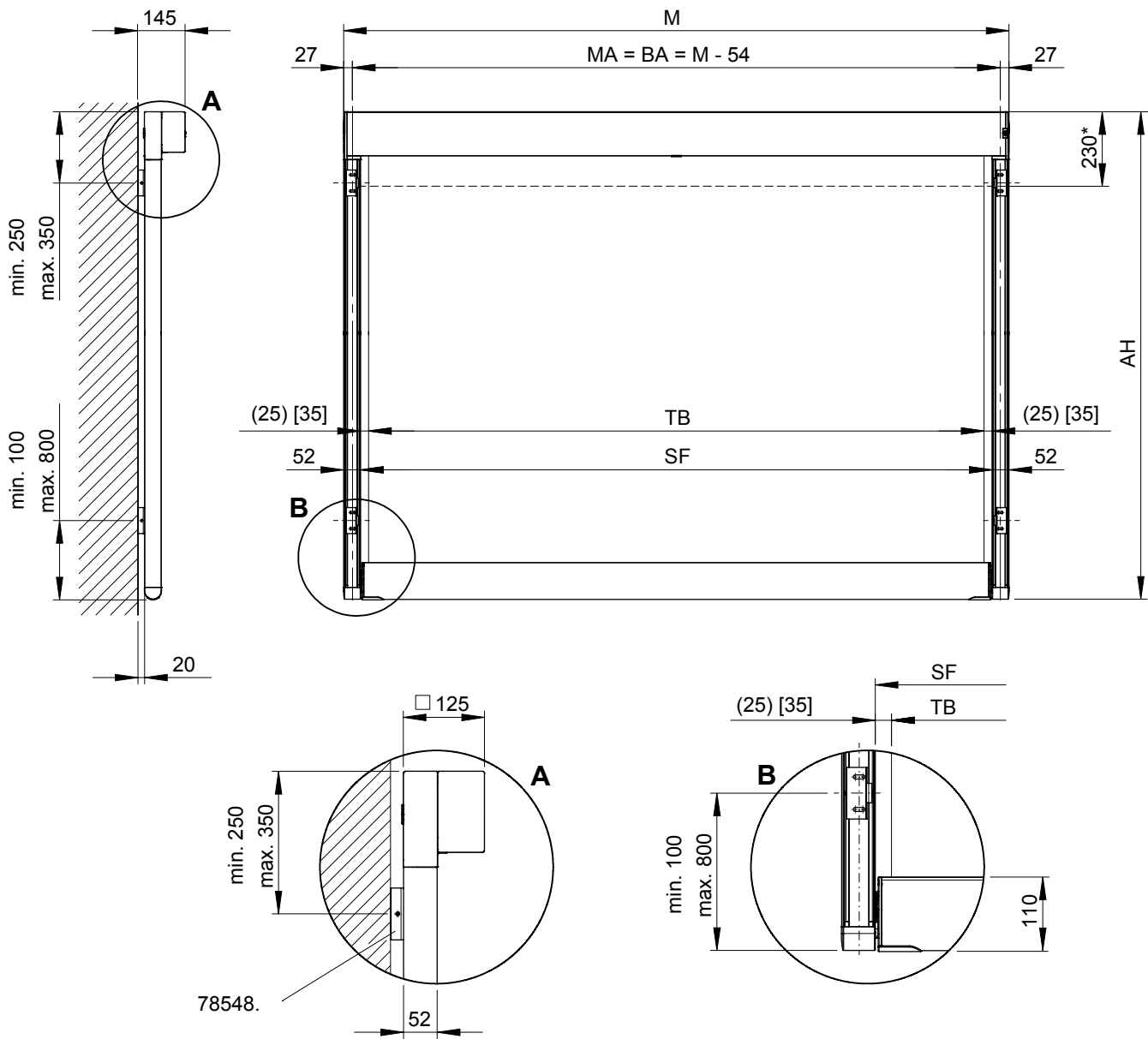
11

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dimensions in mm

**78548.** = flat track bracket

**AH** = unit height

**BA** = mounting axis

**M** = overall blind width

**MA** = blind fixture width = **BA** = mounting axis

**SF** = visible cover (in tracfix systems)

**TB** = cover width

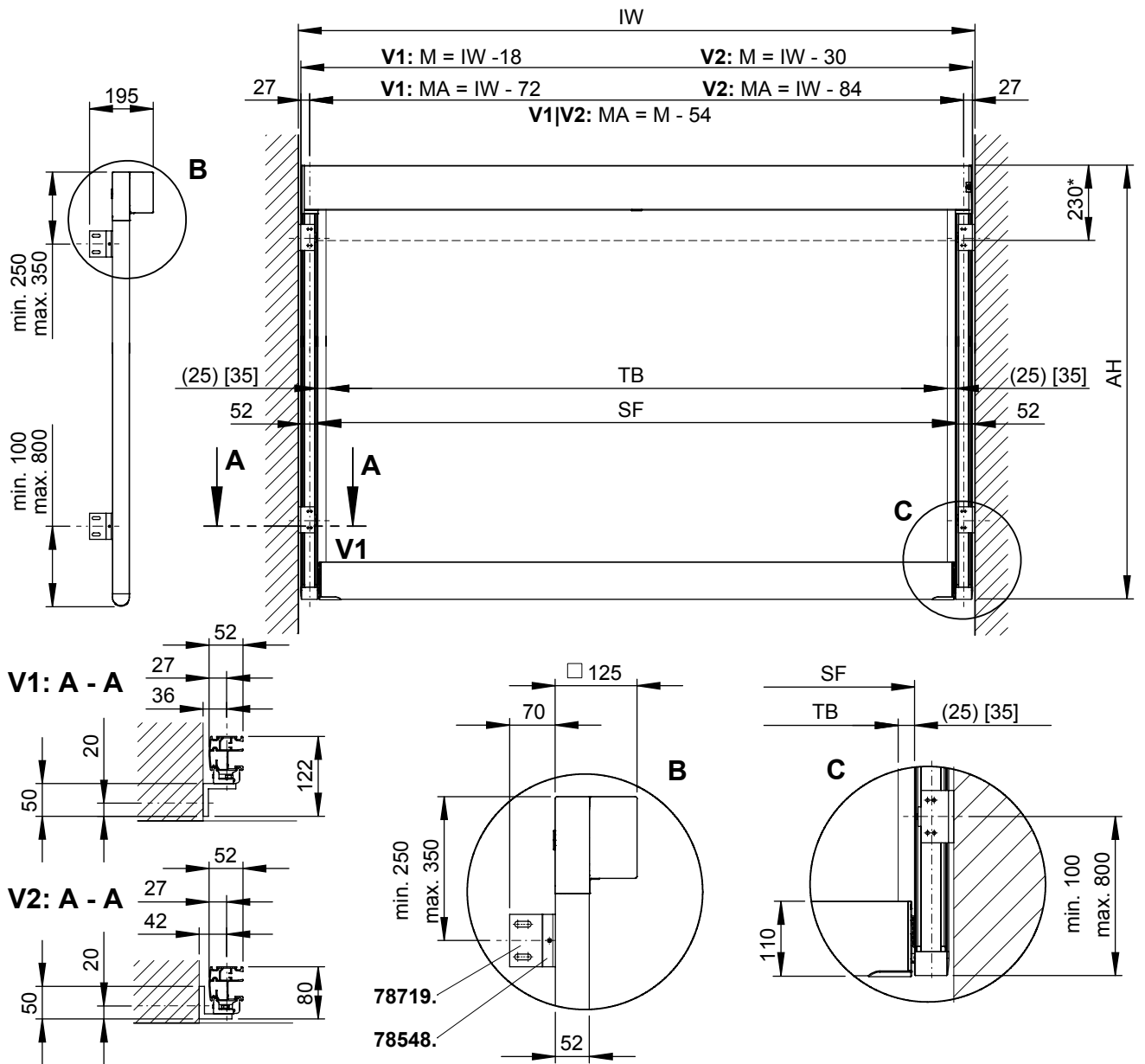
(...) = gap between cover and guide track (non-tracfix units)

[...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units

\* = cassette and front profile height with the blind retracted

# Installation dimensions

Dimension overview fixture type 15, as seen from inside!



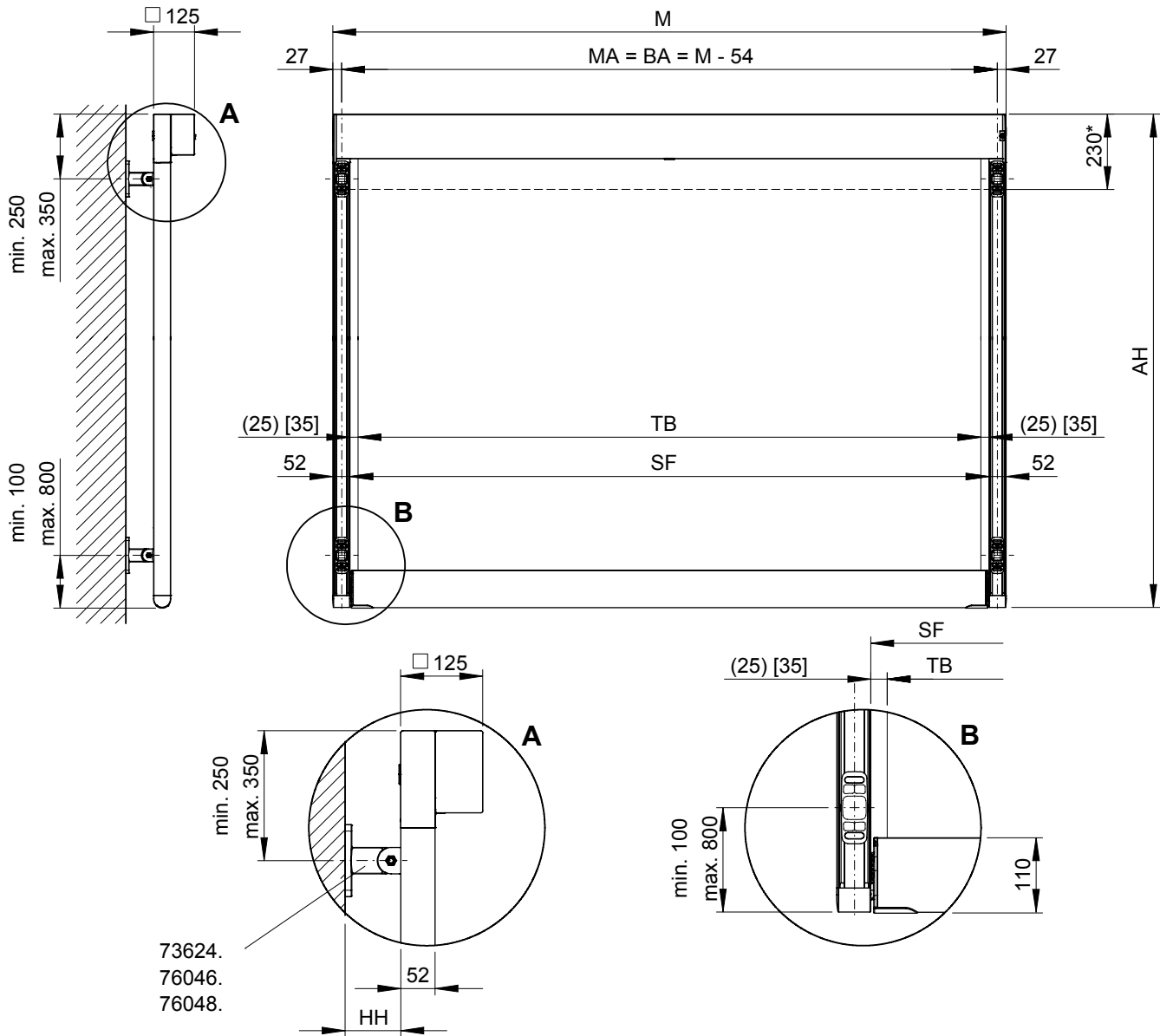
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dimensions in mm

- 78548.** = flat track bracket
- 78719.** = additional angled bracket for the bearing, gearbox and motor side
- AH** = unit height
- IW** = reveal width
- M** = overall blind width
- MA** = blind fixture width = **BA** = mounting axis
- SF** = visible cover (in tracfix systems)
- TB** = cover width
- V1, V2** = versions 1 and 2
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \*

## Installation dimensions

### Dimension overview fixture types 20, 21, 22



**73624.** = track bracket with adjustable head, 80 mm

**76046.** = track bracket with adjustable head, 100 mm

**76048.** = track bracket with adjustable head, 140 mm

**AH** = unit height

**BA** = mounting axis

**HH** = bracket height

**M** = overall blind width

**MA** = blind fixture width = **BA** = mounting axis

**SF** = visible cover (in tracfix systems)

**TB** = cover width

(...) = gap between cover and guide track (non-tracfix units)

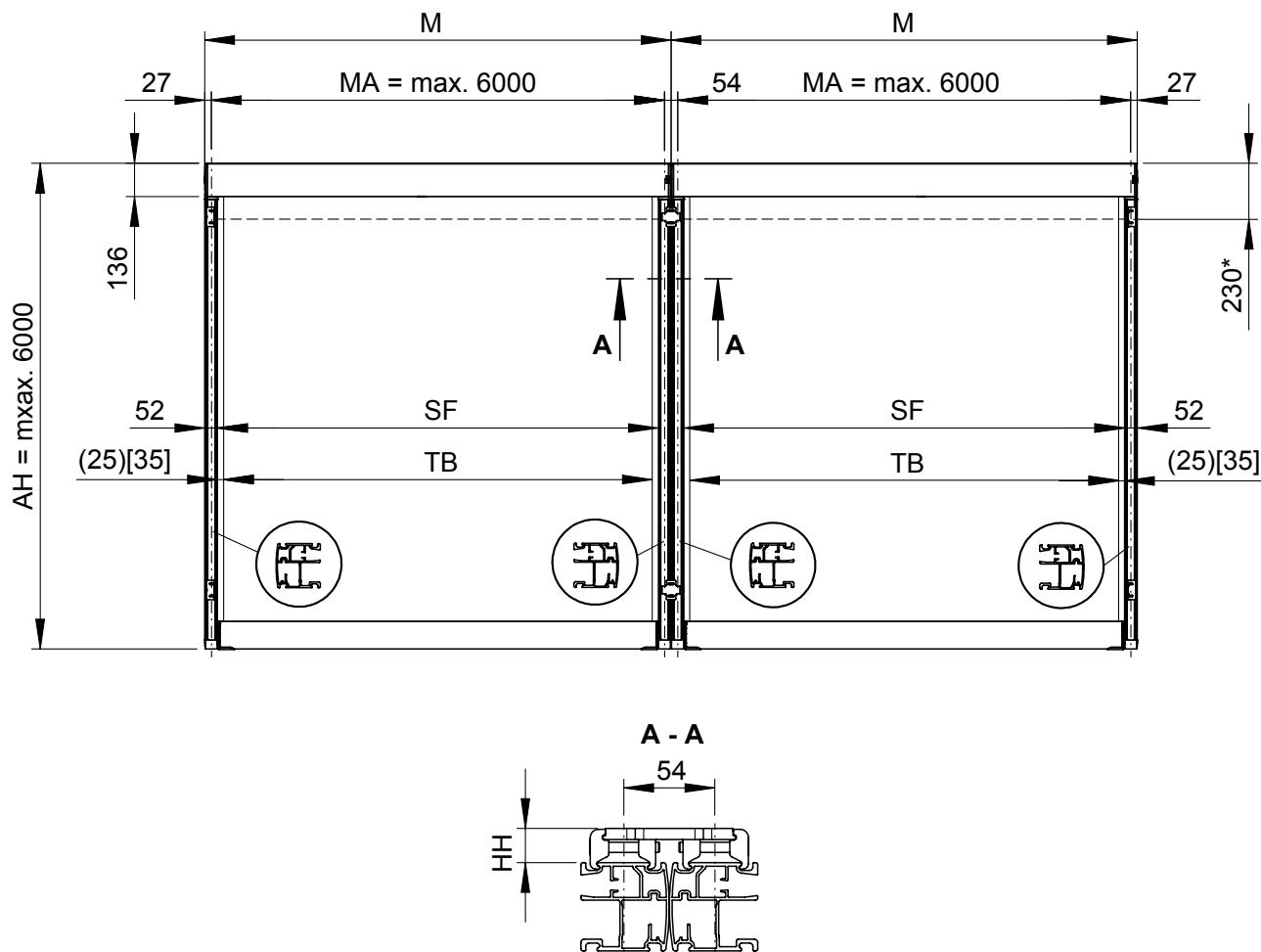
[...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units

\* = cassette and front profile height with the blind retracted

dimensions in mm

# Installation dimensions

Dimension overview of two single units: fixture via a double track bracket in the centre



dimensions in mm

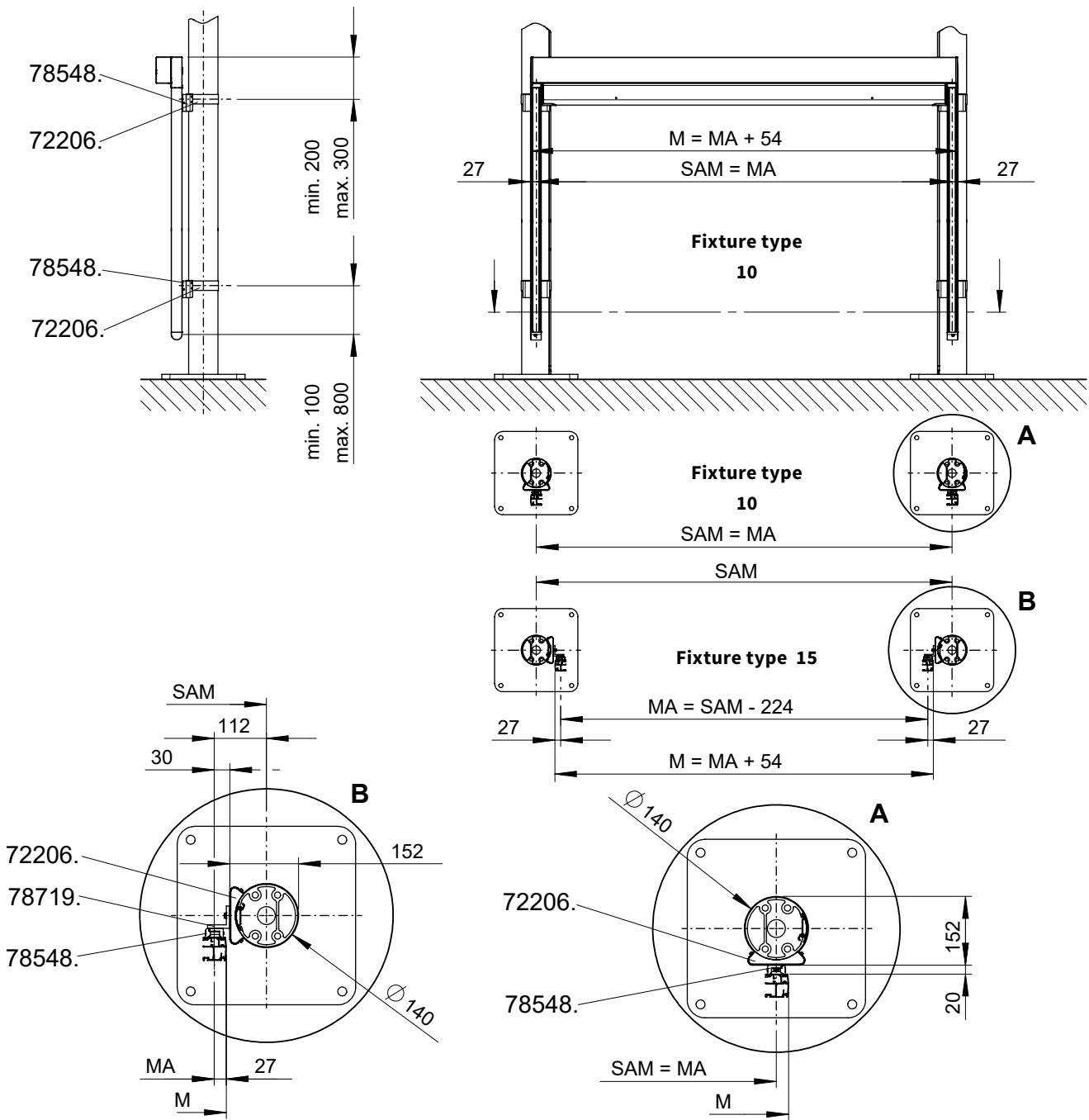
- AH** = unit height
- HH** = bracket height
- M** = overall blind width
- MA** = blind fixture width = **BA** = mounting axis
- SF** = visible cover (in tracfix systems)
- TB** = cover width
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \* = cassette and front profile height with the blind retracted

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# Installation dimensions

Dimension overview fixture to the round post of markilux syncra 2 / markilux RS-2

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dimensions in mm

**72206.** = post fixture for single or double track bracket markilux syncra 2

**78548.** = flat track brackets (fixture types 10 / 15)

**78719.** = additional angled bracket for the bearing, gearbox and motor side

**A** = detailed view, fixture type 10

**B** = detailed view, fixture type 15

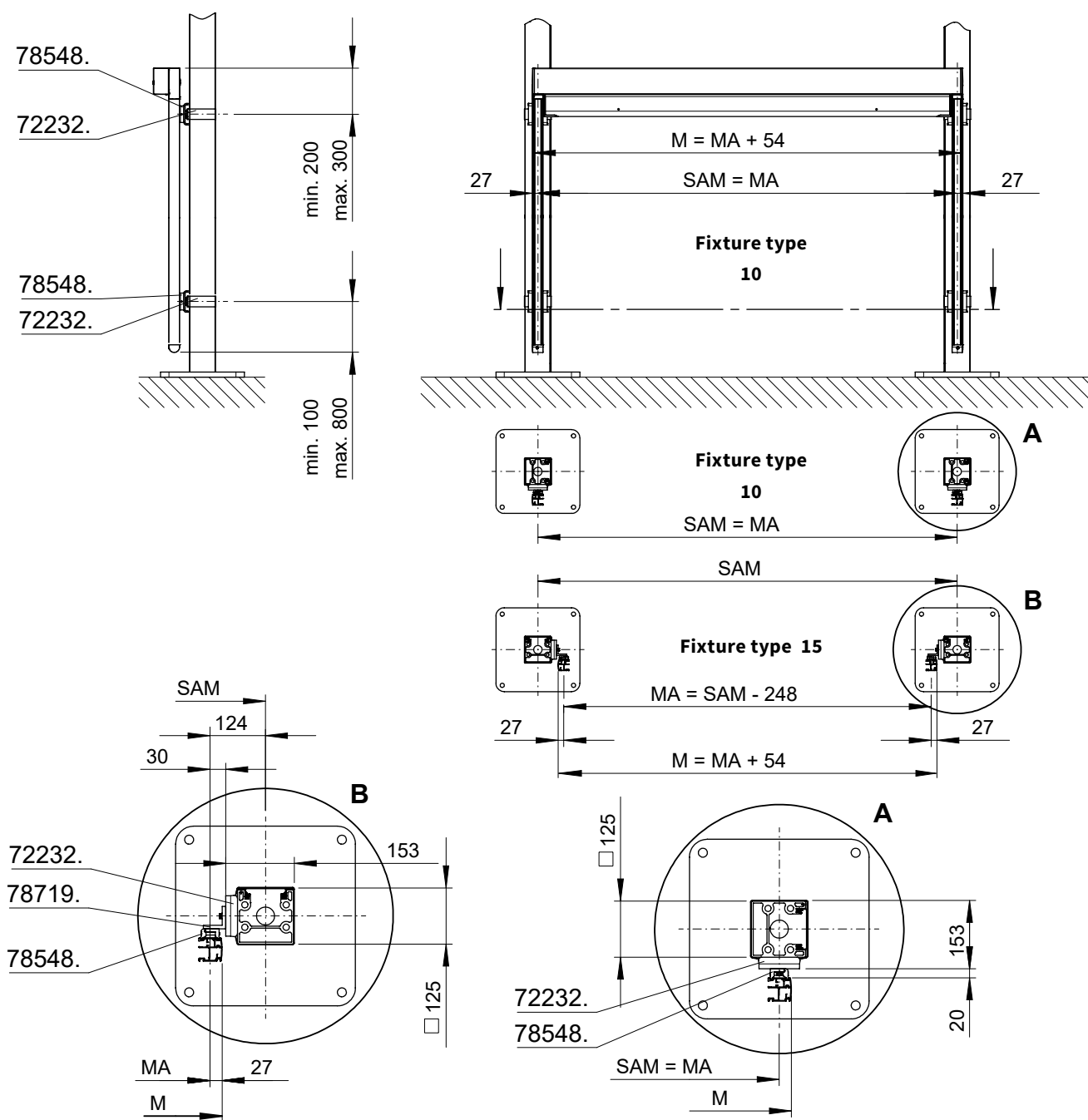
**M** = overall blind width =  $MA + 54$  mm

**MA** = awning fixture width = fixture width = **order width**

**SAM** = dimension from post centre to post centre of the markilux syncra 2 / RS-2

# Installation dimensions

Dimension overview fixture to the square post of markilux syncra 2 / markilux RS-2



dimensions in mm

72232. = post fixture guide rail, single and double bracket, square

78548. = flat track brackets (fixture types 10 / 15)

78719. = additional angled bracket for the bearing, gearbox and motor side

A = detailed view, fixture type 10

B = detailed view, fixture type 15

M = overall blind width =  $MA + 54$  mm

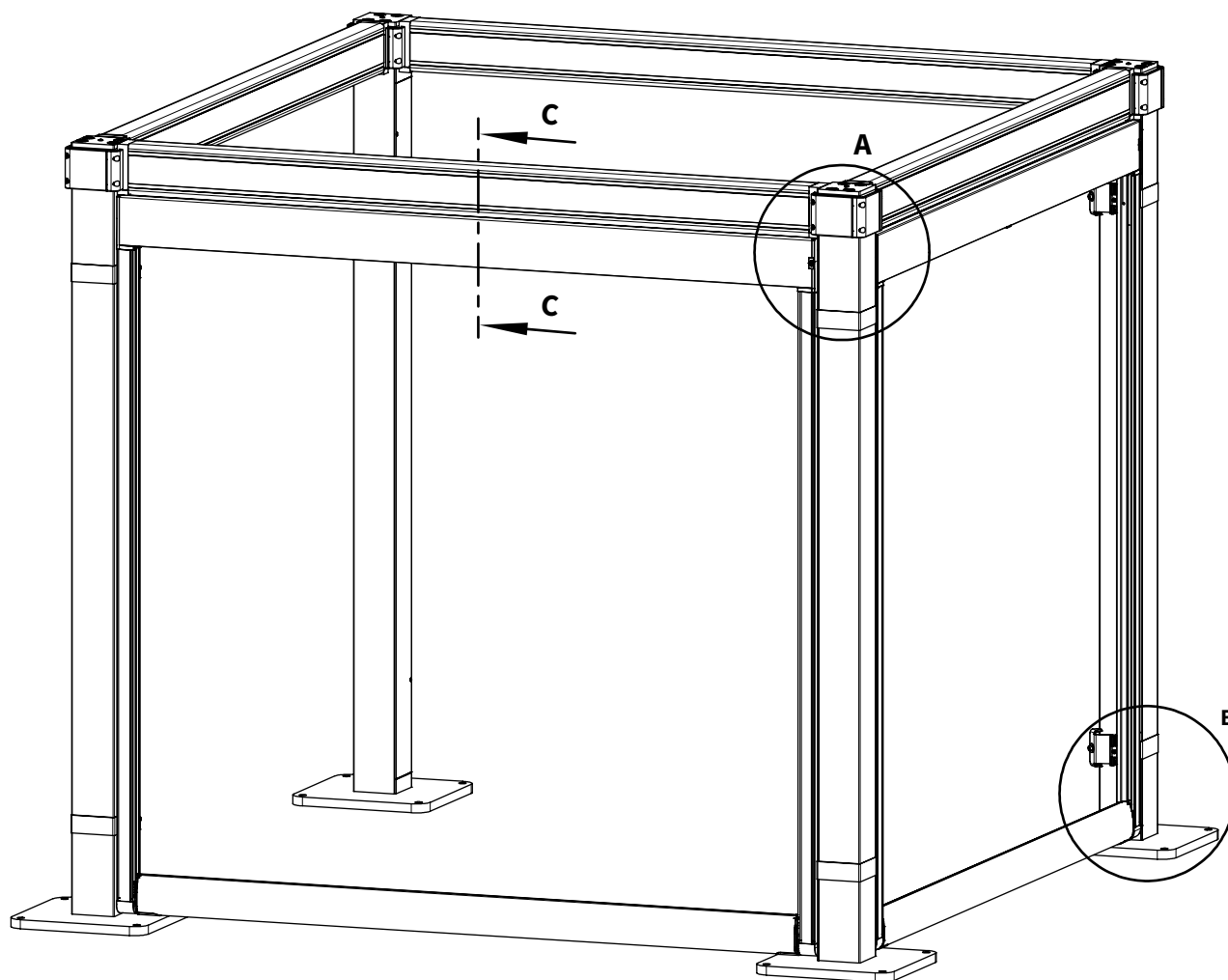
MA = awning fixture width = fixture width = **order width**

SAM = dimension from post centre to post centre of the markilux syncra 2 / RS-2

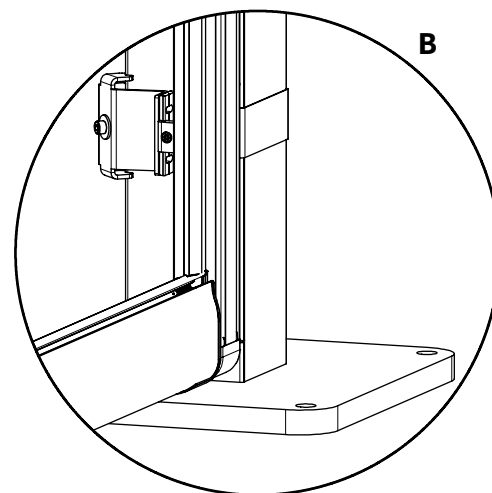
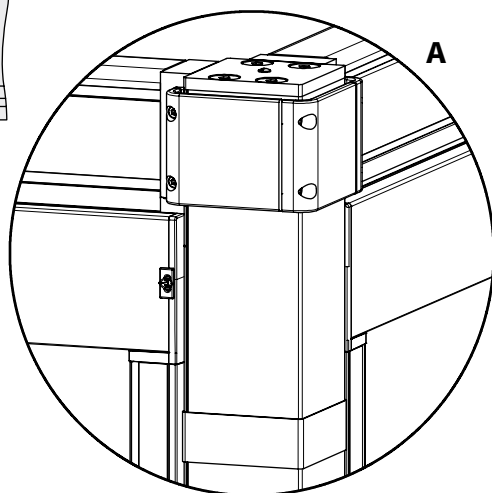
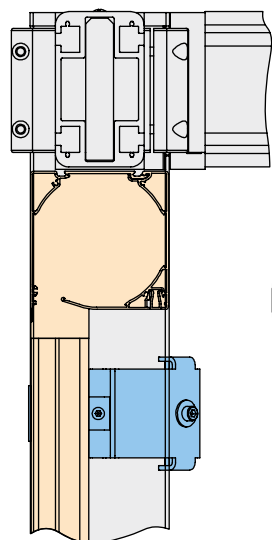
01 **Installation dimensions**

02 Installation to markilux RS-2 with **square posts**.

03  
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C-C

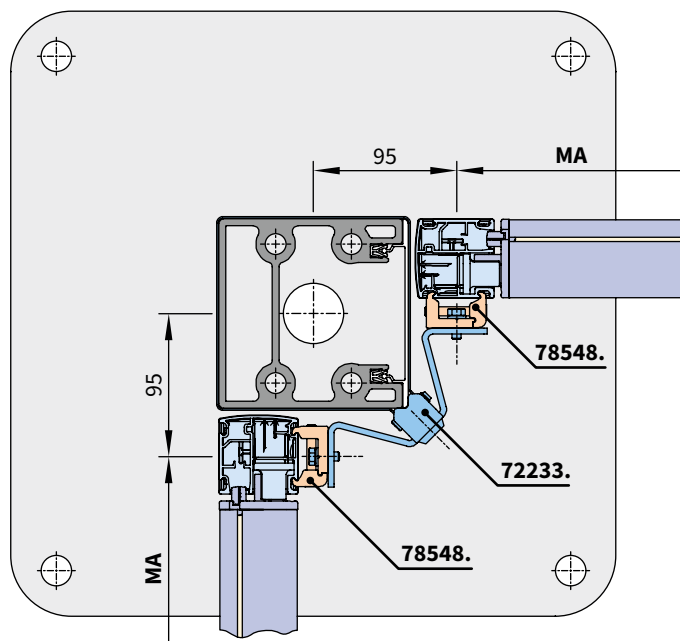
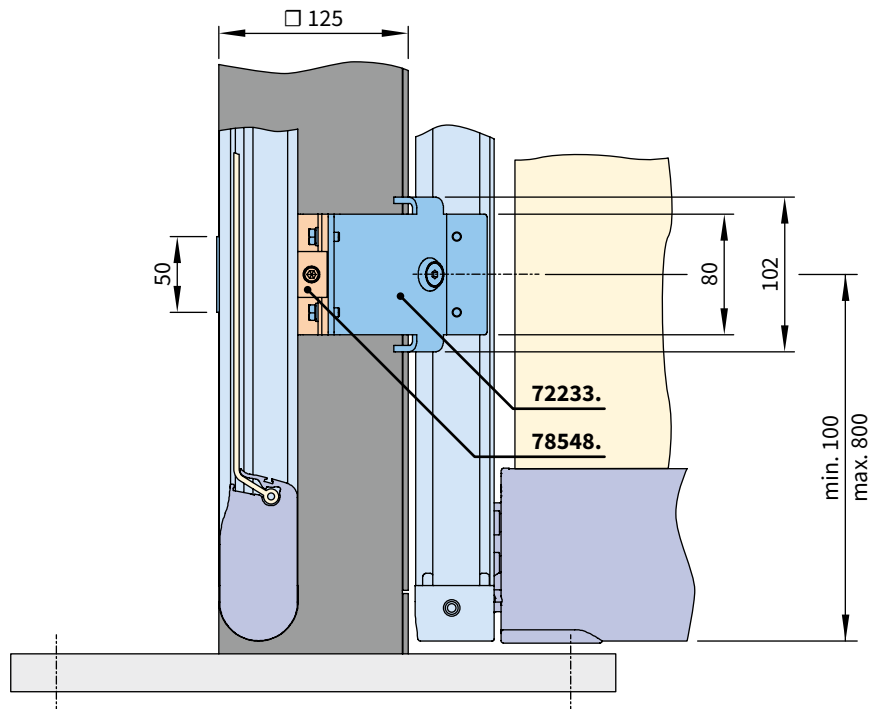


**Tip:** Installation of the vertical blinds with their rear side facing outwards!  
This results in a flush connection of the housing to the square posts - please note sectional view C-C.

# Installation dimensions

Installation of two vertical blinds to a **square** corner post of markilux syncra 2 / RS-2

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dimensions in mm

- 72233.** = post fixture guide rail, bracket, both sides, square
- 78548.** = flat track bracket
- MA** = awning fixture width = fixture width = **order width**

01 **Installation dimensions**

02 Installation of two vertical blinds to a **square** middle post of markilux syncra 2 / RS-2

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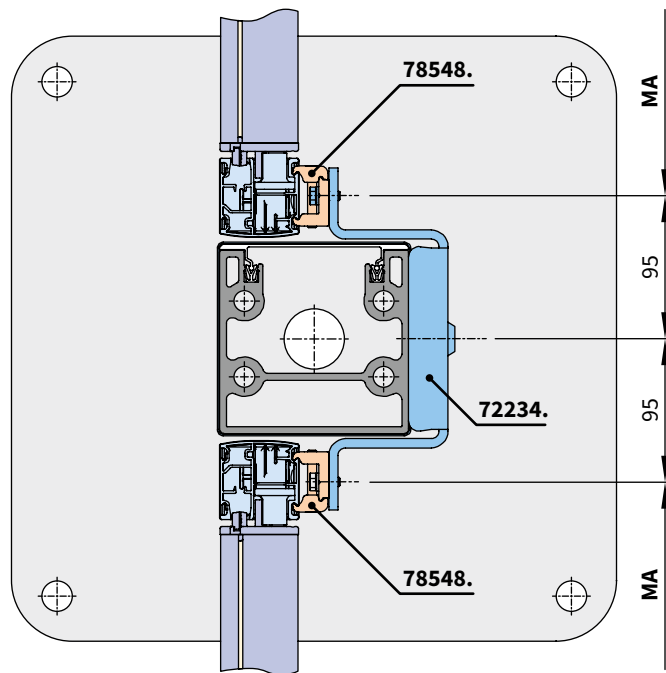
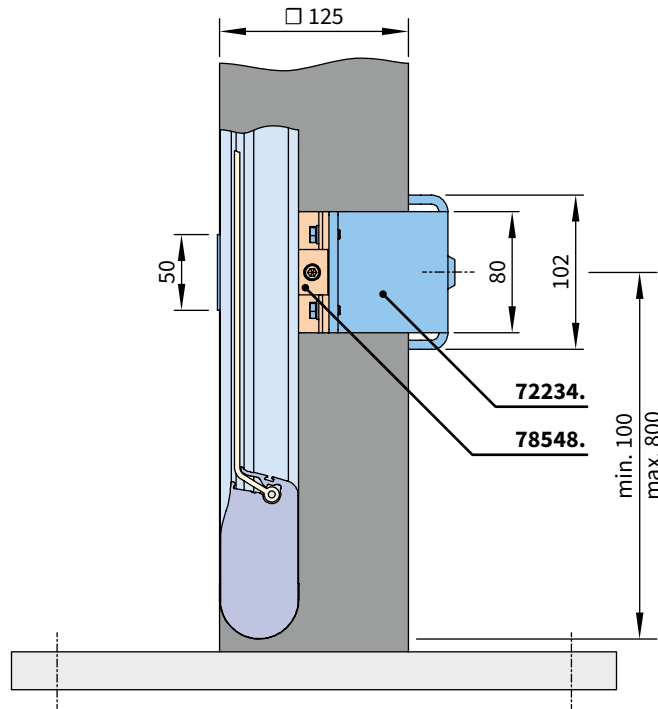
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dimensions in mm

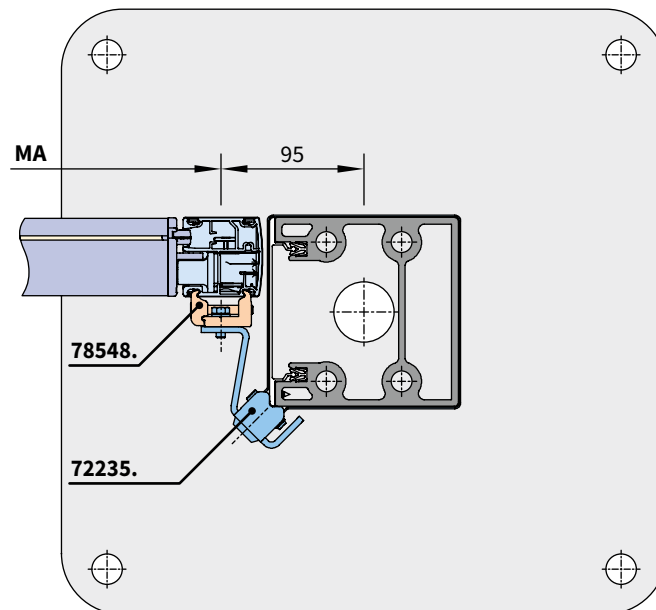
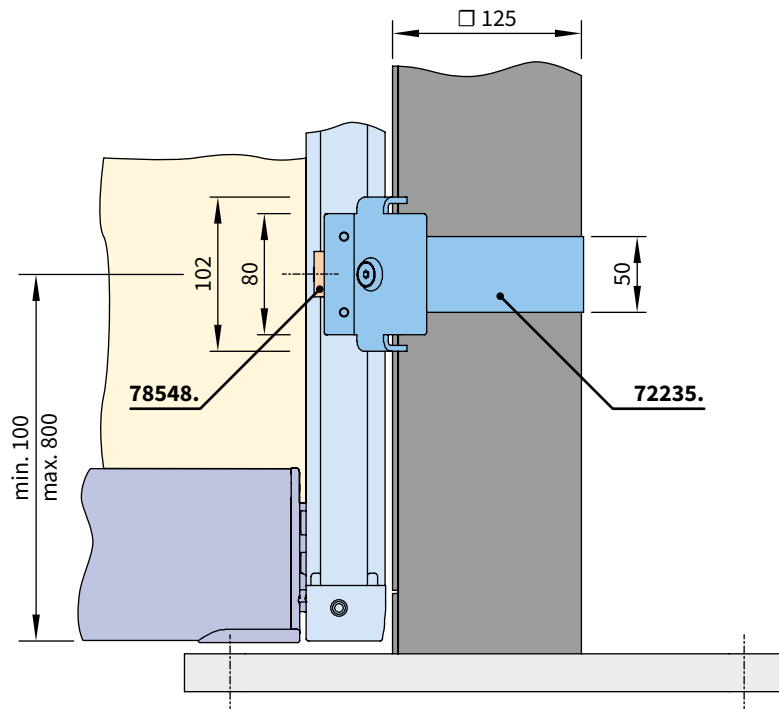
72234. = post fixture guide rail, centre, both sides, square

78548. = flat track bracket

MA = awning fixture width = fixture width = **order width**

## Installation dimensions

Installation of one vertical blind to a square corner post of markilux snycra 2 / RS-2



dimensions in mm

**72235.** = post fixture guide rail, bracket, one side, square

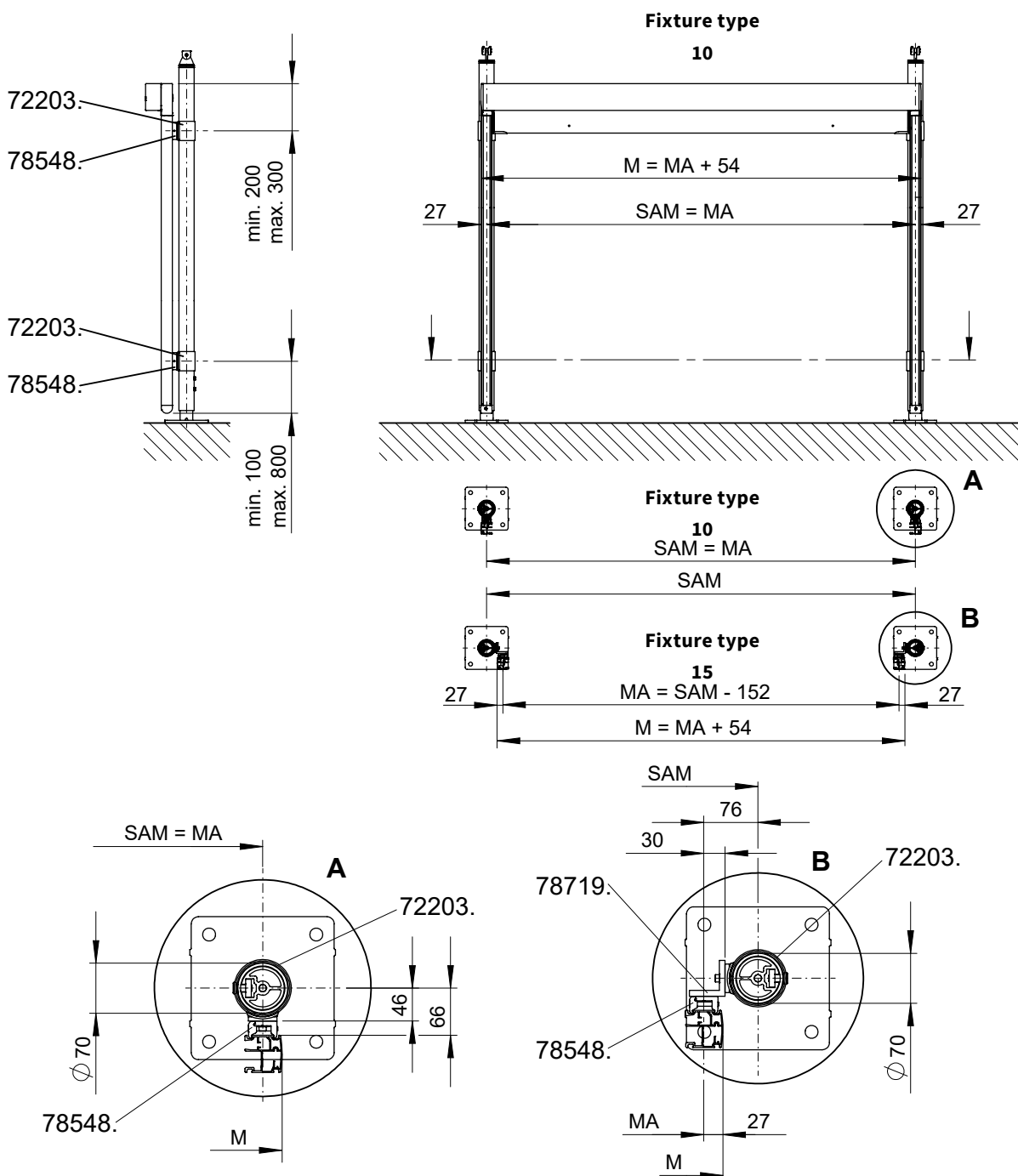
**78548.** = flat track bracket

**MA** = awning fixture width = fixture width = **order width**

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# Installation dimensions

Dimension overview installation to round markilux pergola posts



dimensions in mm

**72203.** = bracket assembly for fixture of flat track bracket, 78548. to the markilux 110/210

**78548.** = flat track brackets (fixture type 10 / 15)

**78719.** = additional angled bracket for the bearing, gearbox and motor side (fixture type 15)

**A** = detailed view, fixture type 10

**B** = detailed view, fixture type 15

**M** = overall blind width =  $MA + 54$  mm

**MA** = awning fixture width = fixture width = **order width**

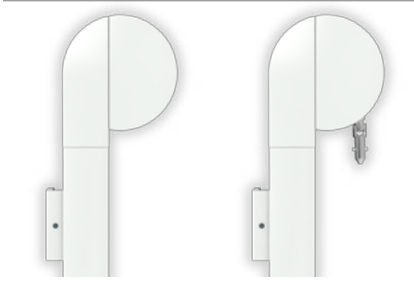
**SAM** = dimension from post centre to post centre of the markilux pergola



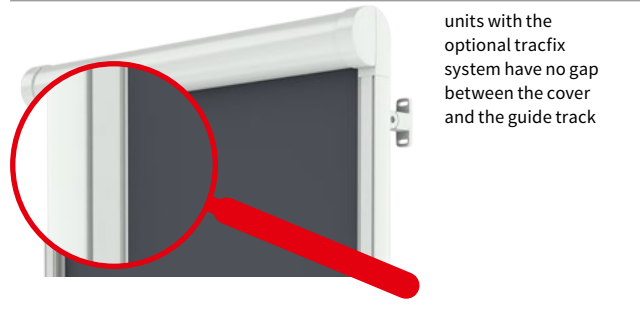
## **markilux 876 / 876 tracfix**

**The perfect sun protection solution which also maintains your privacy – the tensioned vertical cassette blind for large surface areas**

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side views  
markilux 876:  
  
motor / manual  
operation



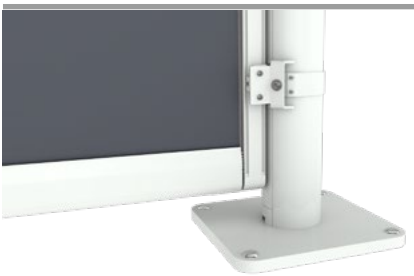
units with the  
optional tracfix  
system have no gap  
between the cover  
and the guide track



recess fixture  
markilux 876



the front profile  
finishes flush with  
the guide tracks  
when fully extended



markilux 876 fitted to  
the markilux syncra 2  
  
as seen from inside



the markilux 876  
fitted to the markilux  
pergola  
  
as seen from outside

### Design Features

beautifully crafted, round aluminium cassette

the round cassette and square guide tracks harmonise perfectly

when fully extended the rounded front profile harmonises perfectly with the ends of the lateral guide tracks

the panel joints of the awning cover are ultrasonically bonded - giving an improved appearance without bothersome stitching

when retracted the cover is protected from the weather by the cassette, which encloses it completely

stand-off fixture from the facade; this embellishes the building still further

### Technical Specification

permanently high cover tension is achieved by way of two special gas-piston mechanisms in the front profile

the extremely sturdy awning construction makes it possible to shade large areas of up to 24 m<sup>2</sup> safely

brackets with patented clip-on mechanism for simple, problem free installation

manual operation by way of a markilux stainless steel winding handle

the blind cover is guided along sturdy aluminium guide tracks at the side

### Accessories

tracfix system – attractive, completely closed appearance with no annoying gap between the blind cover and the tracks

hard-wired motor operation (optionally with automatic weather sensors) for straightforward and easy operation

radio-controlled motor with radio remote control for ease of use

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety even in your absence

markilux panorama window available in tracfix units (depending on the dimensions)

## Dimensions and configuration options

		150	200	250	300	350	400	450	500	550	600			
		60 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600			
M		+ 5,4												
	150 <sup>1)</sup>											60 / 67 <sup>1)</sup>	70 / 76 <sup>1)</sup>	
	200 <sup>1)</sup>													
	250 <sup>1)</sup>										2)			
	300 <sup>1)</sup>									2)	2)	2)	107 <sup>3)</sup>	107 <sup>3)</sup>
	350 <sup>1)</sup>						2)	2)	2)	2)	2)			
	400 <sup>1)</sup>	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)			
	450	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)			
	500	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)			
	550	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)			
600	2)	2)	2)	2)	2)	2)	2)	2)	2)	2)				

dimensions in cm



- 1) tracfix (optional). **tracfix blinds are only available with motor** (surcharge)
- 2) these sizes meet wind resistance class 2,  
all sizes that have not been marked in this way meet wind resistance class 3
- 3) from a unit height of 281 cm

### Frame colours

		Standard	Optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown	similar to RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish

### Operation / Drive unit

	Standard	Optional
manual operation	<input checked="" type="checkbox"/> <sup>4)</sup>	—
hard-wired motor	<input checked="" type="checkbox"/> <sup>5)</sup>	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
io Radio control	—	<input checked="" type="checkbox"/>

4) not available in tracfix units

5) in tracfix units

= motor	= radio-controlled motor (433 MHz)	<b>MA</b> = awning fixture width
= no. of brackets per track		<b>MA min.</b> = minimum fixture width
		<b>AH</b> = unit height
		<b>M</b> = overall width

## Covers

	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> 1)	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> 1)	—
transolair	338 ..	—	<input checked="" type="checkbox"/> 2)
perfortex ALU	332 ..	<input checked="" type="checkbox"/> 3)	—
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> 4)
Soltis 92		—	<input checked="" type="checkbox"/> 5)

- 1) up to a max. unit height of 450 cm (in tracfix units 400 cm) with vertical, bonded seams
- 2) non-tracfix systems: available up to a fixture width of 400 cm, seamless up to an extension of 250cm, then with horizontal seam(s); tracfix systems: available in all matrix sizes, seamless up to a fixture width of 400 cm x 250 cm, then with horizontal seam; from a fixture width of 401 cm in vertical panels approx. 122 cm wide
- 3) non-tracfix systems: available up to a maximum extension of 400 cm, then with vertical, bonded seams. tracfix systems: available in all tracfix sizes, then with vertical, bonded seams.
- 4) non-tracfix and tracfix systems: available up to a max. fixture width and unit height of 400 cm - seamless up to unit height 250 cm - with horizontal seam, if unit height  $\geq 250$  cm; available from a fixture width 401 cm and max. unit height 250 cm - seamless
- 5) available up to max. 400 cm fixture width and max. 400 cm unit height - with horizontal seam, if fixture width  $\geq 186$  cm AND unit height  $\geq 195$  cm

## Miscellaneous

	Standard	Optional
tracfix	—	<input checked="" type="checkbox"/>
light sensor		<input checked="" type="checkbox"/>
flexible picture windows	—	<input checked="" type="checkbox"/> 6)

- 6) only in combination with fabrics from the sunsilk or sunvas series and only available in tracfix units.  
Please note the technical information in chapter "Flexible panorama window"

## Additional Information

The width of the blind cover is always **less** than that of the blind.

**A standard gearbox** is operated from outside the building using a stainless steel winding handle (handle lengths 110, 140, 160, 180 or 220 cm).

In the case of manual operation it takes approximately 18 turns per metre of overall unit height to extend the system.

In the case of motor operation the blind will take approximately **14 seconds per metre** to extend.

**N.B! If the motor is used continuously** it will stop automatically after 3 to 4 minutes **to prevent overheating.**

In the case of a **bank of blinds operating simultaneously**, the same speed of rotation of the motors cannot be guaranteed because of the **internal tolerances of the motors.**

This model is only available as a **single unit.**

Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. This does not influence the functionality or durability of the blind.

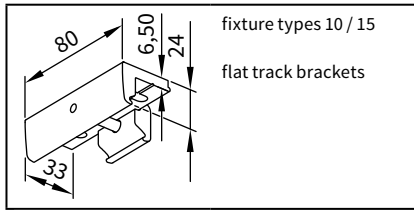
## Dimensions and Tolerances

	Width	Nominal unit height
tolerances	+5 / -10 mm	—
awning cover width	<b>MA</b> - 93 mm <sup>7)</sup>	
awning cover length	<b>AH</b> - 70 mm <sup>7)</sup>	

- 7) tracfix systems: cover dimensions on request

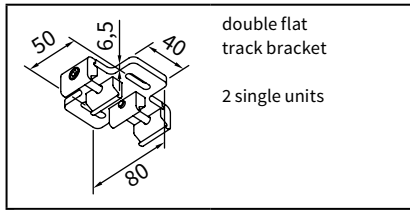
Fixtures, fittings and accessories

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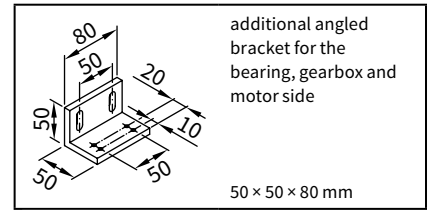
fixture types 10 / 15  
flat track brackets

**78548.**



double flat  
track bracket  
2 single units

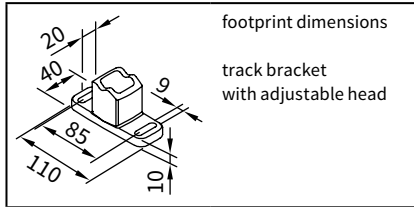
**73627.**



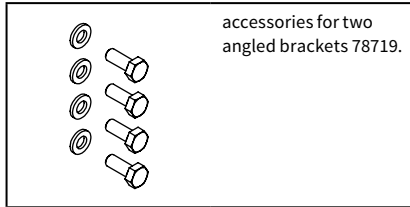
additional angled  
bracket for the  
bearing, gearbox and  
motor side

50 × 50 × 80 mm

**78719.**

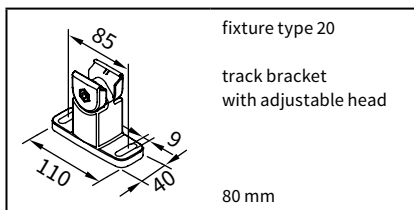


footprint dimensions  
track bracket  
with adjustable head



accessories for two  
angled brackets 78719.

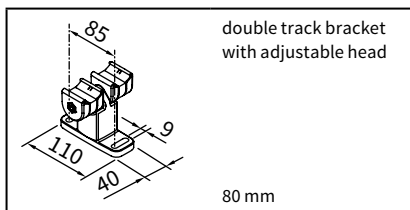
**787211**



fixture type 20  
track bracket  
with adjustable head

80 mm

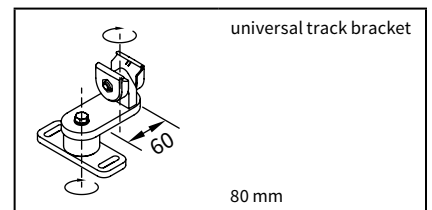
**73624.**



double track bracket  
with adjustable head

80 mm

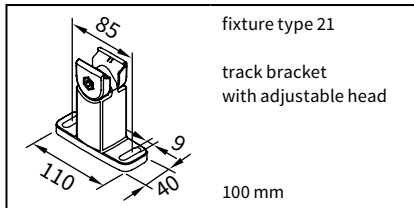
**73631.**



universal track bracket

80 mm

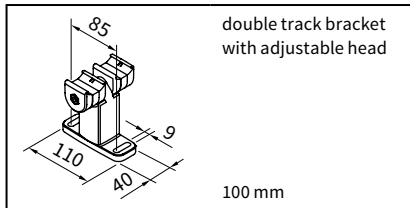
**73629.**



fixture type 21  
track bracket  
with adjustable head

100 mm

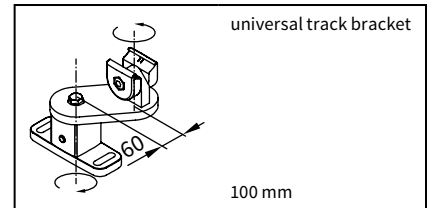
**76046.**



double track bracket  
with adjustable head

100 mm

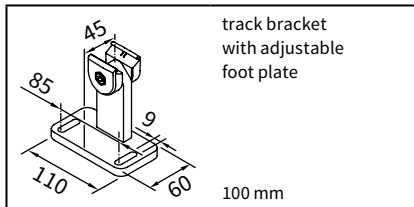
**73634.**



universal track bracket

100 mm

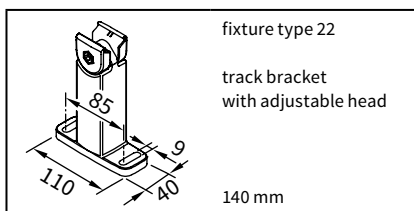
**76054.**



track bracket  
with adjustable  
foot plate

100 mm

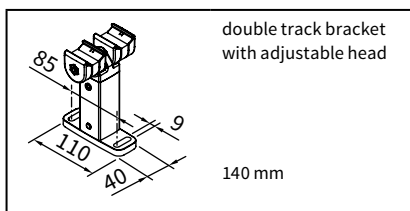
**76199.**



fixture type 22  
track bracket  
with adjustable head

140 mm

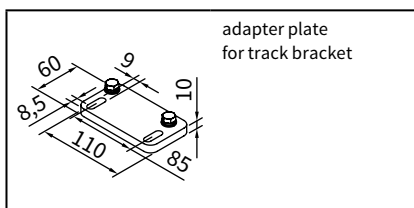
**76048.**



double track bracket  
with adjustable head

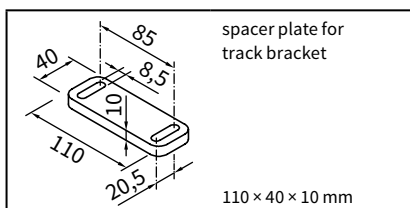
140 mm

**73636.**



adapter plate  
for track bracket

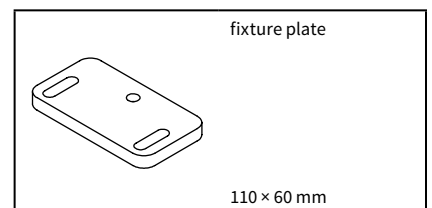
**78165.**



spacer plate for  
track bracket

110 × 40 × 10 mm

**78570.**



fixture plate

110 × 60 mm

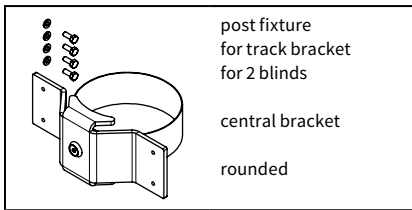
**78158.**

. = insert RAL colour code no.

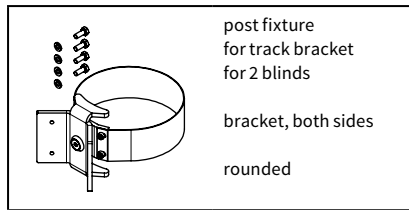
01 **Fixtures, fittings and accessories**

02 **Information:** For installation to **syncra 2 / RS-2** posts only **2** post fixtures per guide track are required.

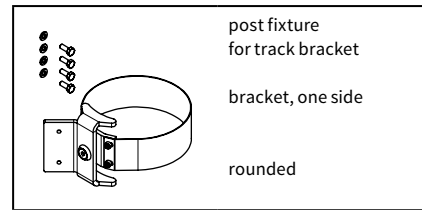
03 Fixture **between** the posts of the syncra 2 / RS-2



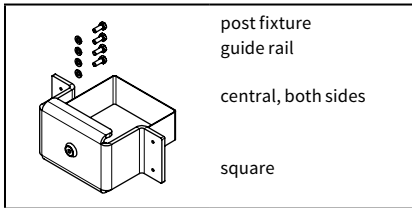
79557.



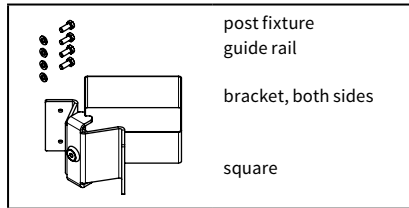
79556.



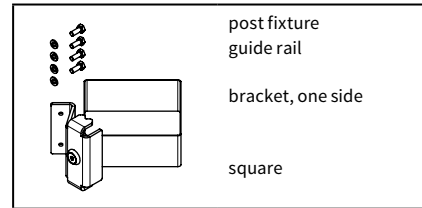
79558.



72234.

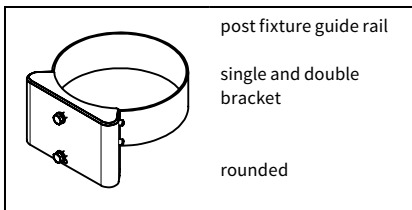


72233.

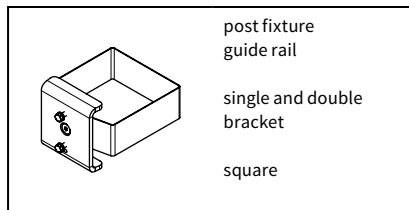


72235.

11 Brackets for fixture **on / to** the posts of the markilux syncra 2 / RS-2

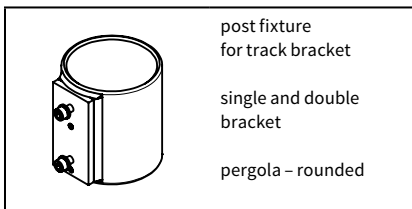


72206.



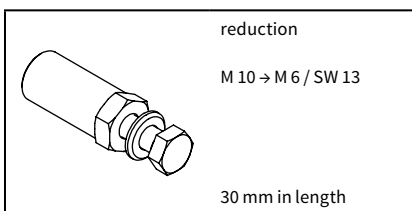
72232.

15 Brackets for fixture **on / to** the posts of the markilux pergola



72203.

**Accessories**



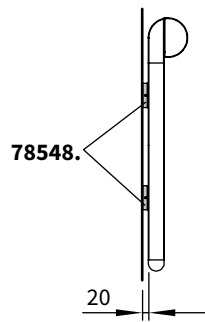
753211

. = insert RAL colour code no.

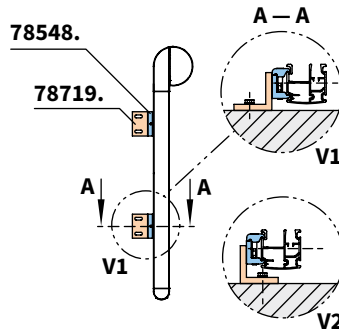
# Fixture combinations

All brackets incur a surcharge

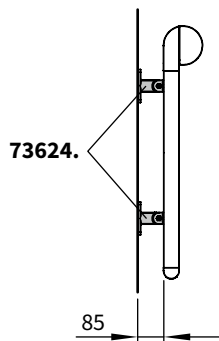
Fixture type  
**10**



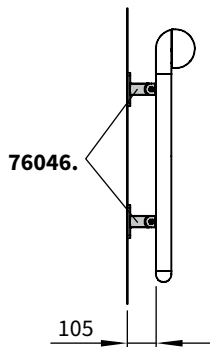
Fixture type  
**15**



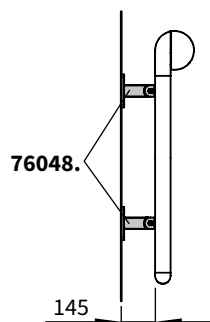
Fixture type  
**20**



Fixture type  
**21**



Fixture type  
**22**



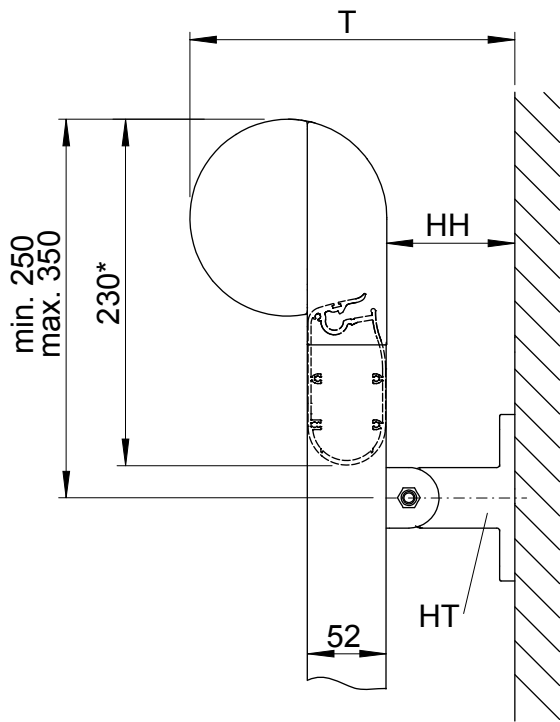
- For individual bracket combinations please refer to "Fixtures, fittings and accessories"

- Please note the minimum quantity in accordance with the width and unit height (2 or 3 brackets per guide track, depending on size)

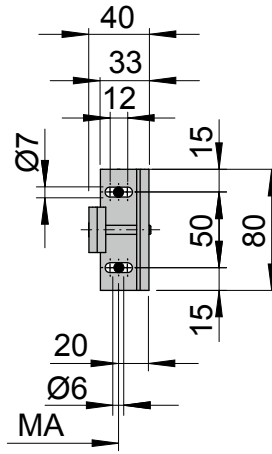
**Exception:** For installation to markilux pergola, syncra 2 or RS-2 only 2 fixture brackets per guide track are required.

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**06**  
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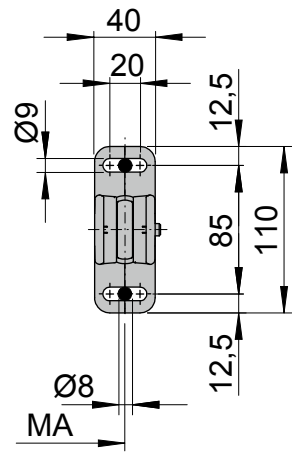
01 Dimension overview



Fixture type  
10



Fixture types  
20, 21, 22

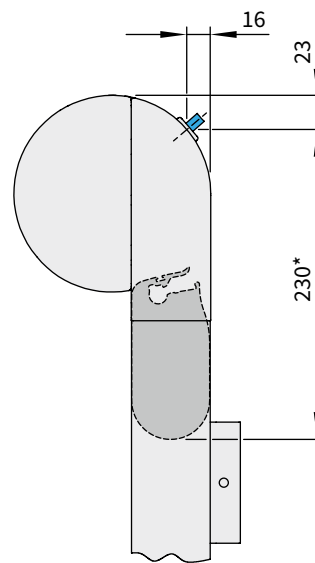
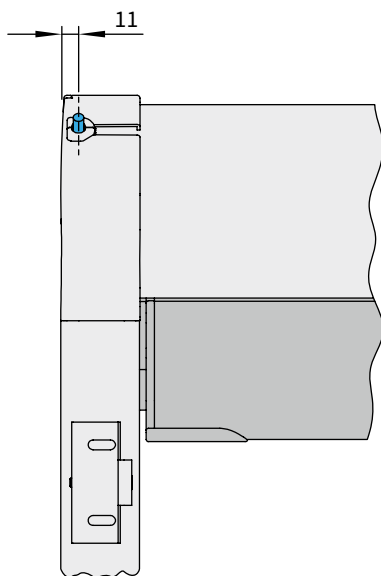


dimensions in mm

Fixture type	10	20	21	22
HT = bracket	78548.	73624.	76046.	76048.
HH = bracket height [mm]	20	85	105	145
T = depth [mm]	150	215	235	275
MA = blind width/fixture width				

\* = dimension with the blind retracted

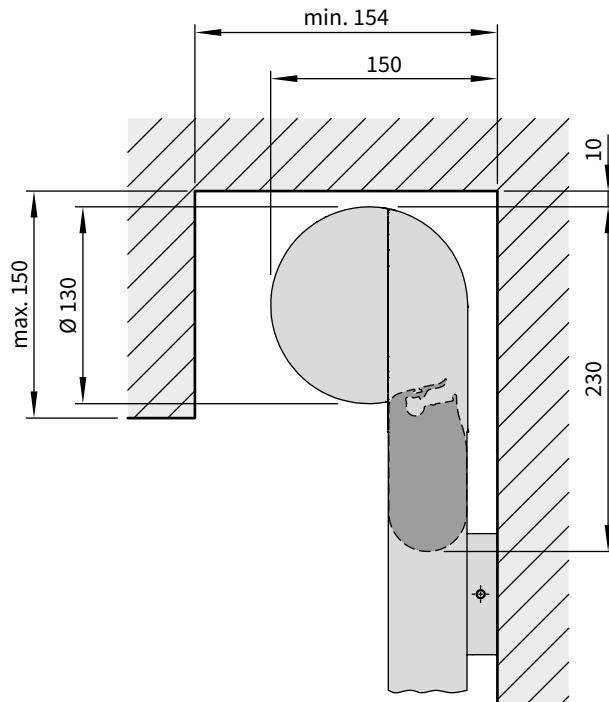
13 Cable exit point in the case of motor-driven units



dimensions in mm

# Installation dimensions

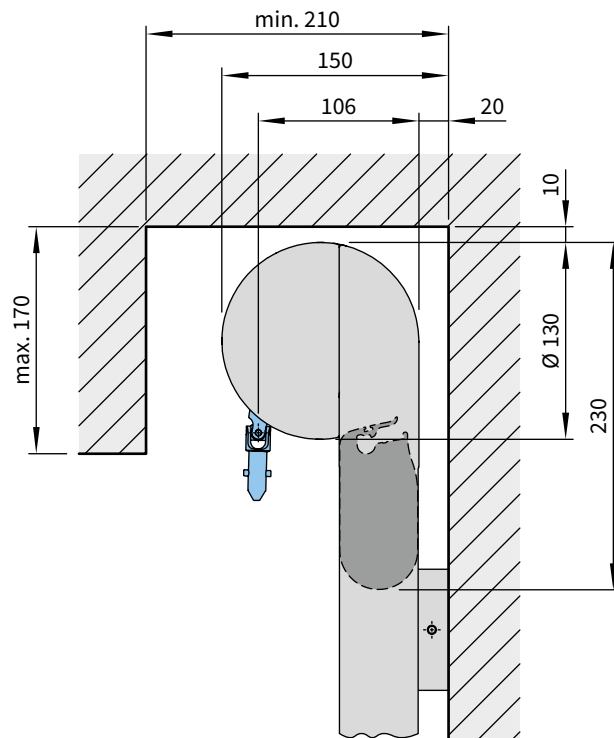
Recess fixture, motor operation



- 01
- 02
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- 06**
- 07
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- 13
- 14
- 15

dimensions in mm

Recess fixture, manual operation

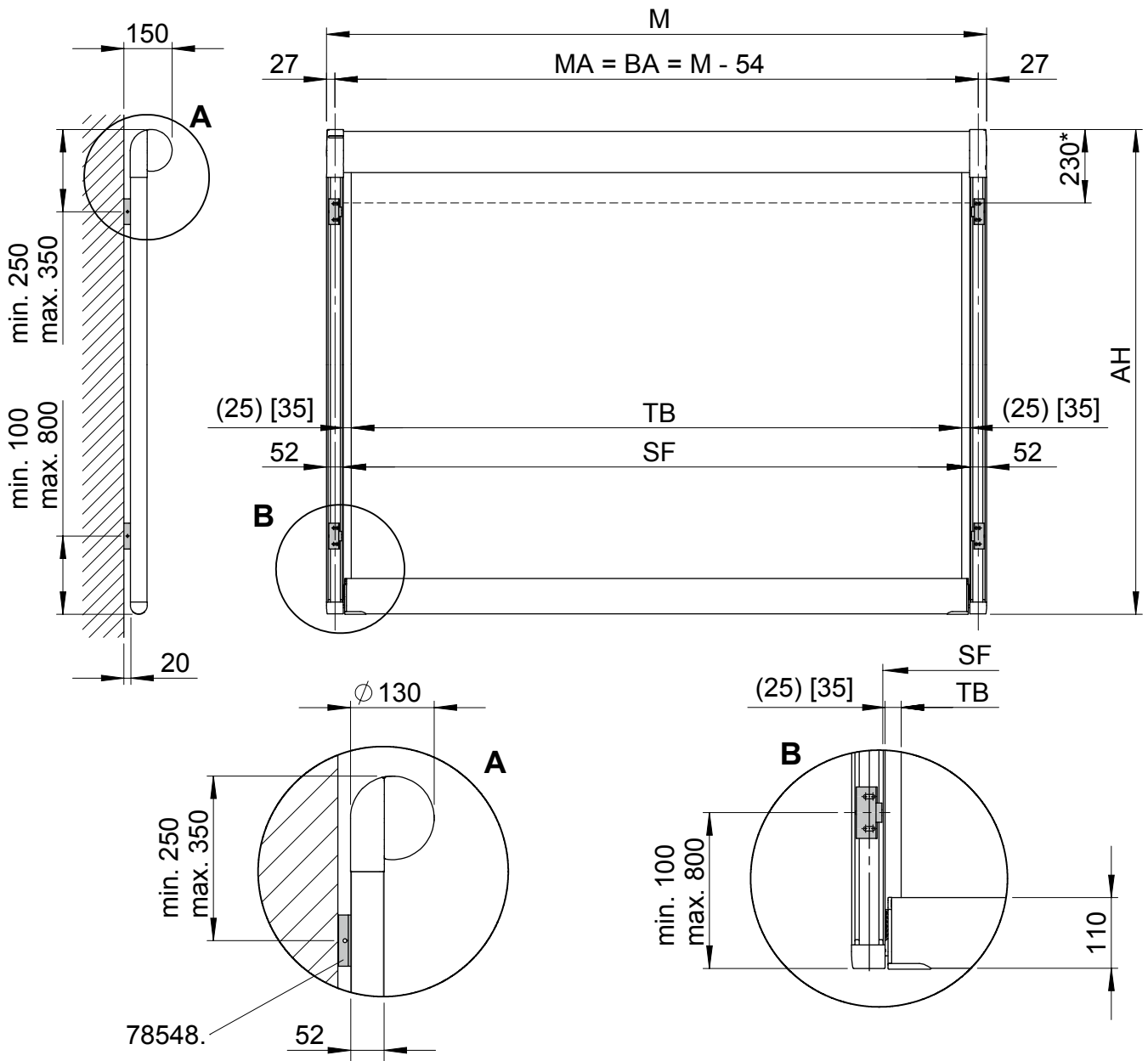


dimensions in mm

01 **Installation dimensions**

02 **Dimension overview fixture type 10, as seen from inside!**

06



dimensions in mm

78548. = flat track bracket

AH = unit height

BA = mounting axis

M = overall blind width

MA = blind fixture width = BA = mounting axis

SF = visible cover (in tracfix systems)

TB = cover width

(...) = gap between cover and guide track (non-tracfix units)

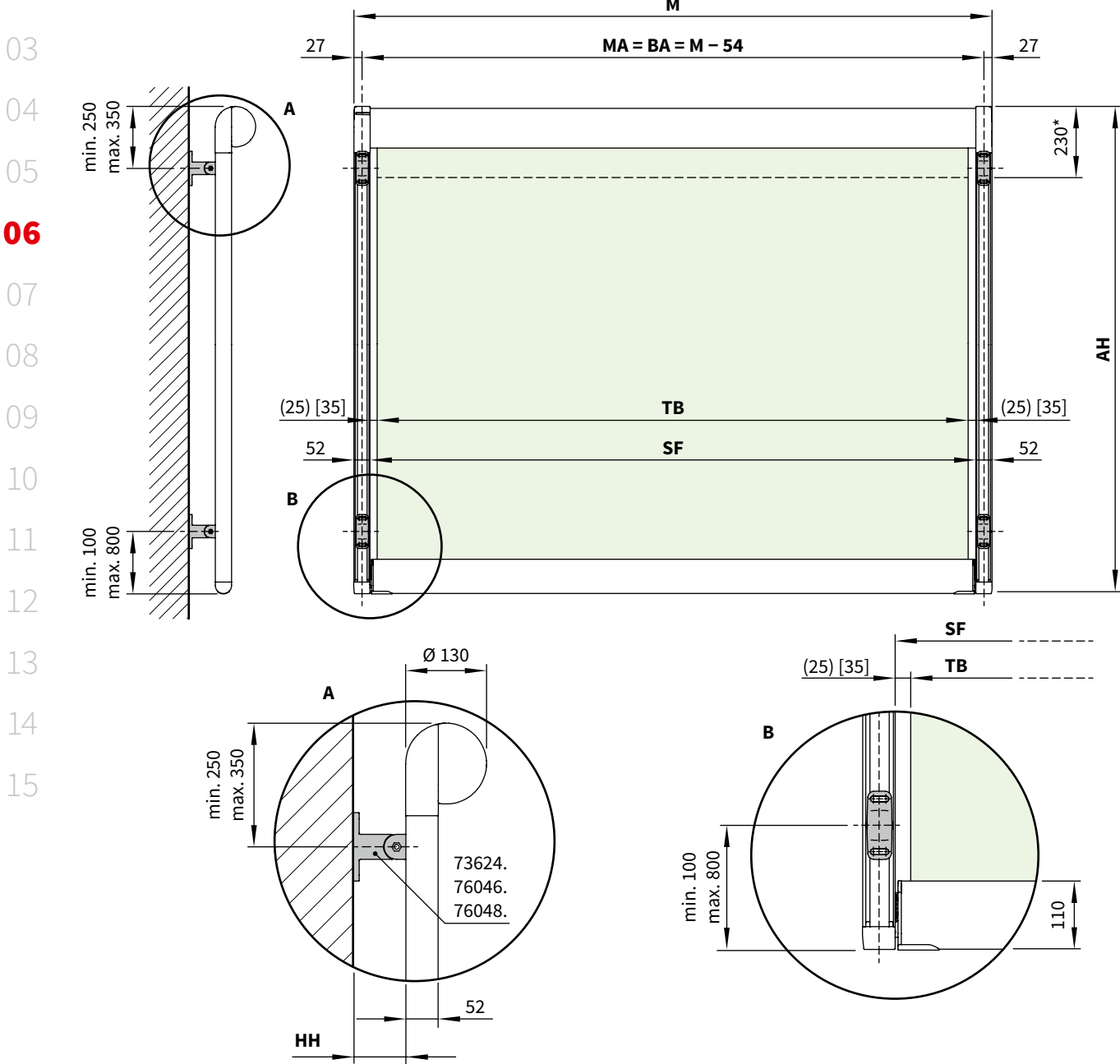
[...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units

\* = cassette and front profile height with the blind retracted



01 **Installation dimensions**

02 **Dimension overview fixture types 20, 21 and 22**



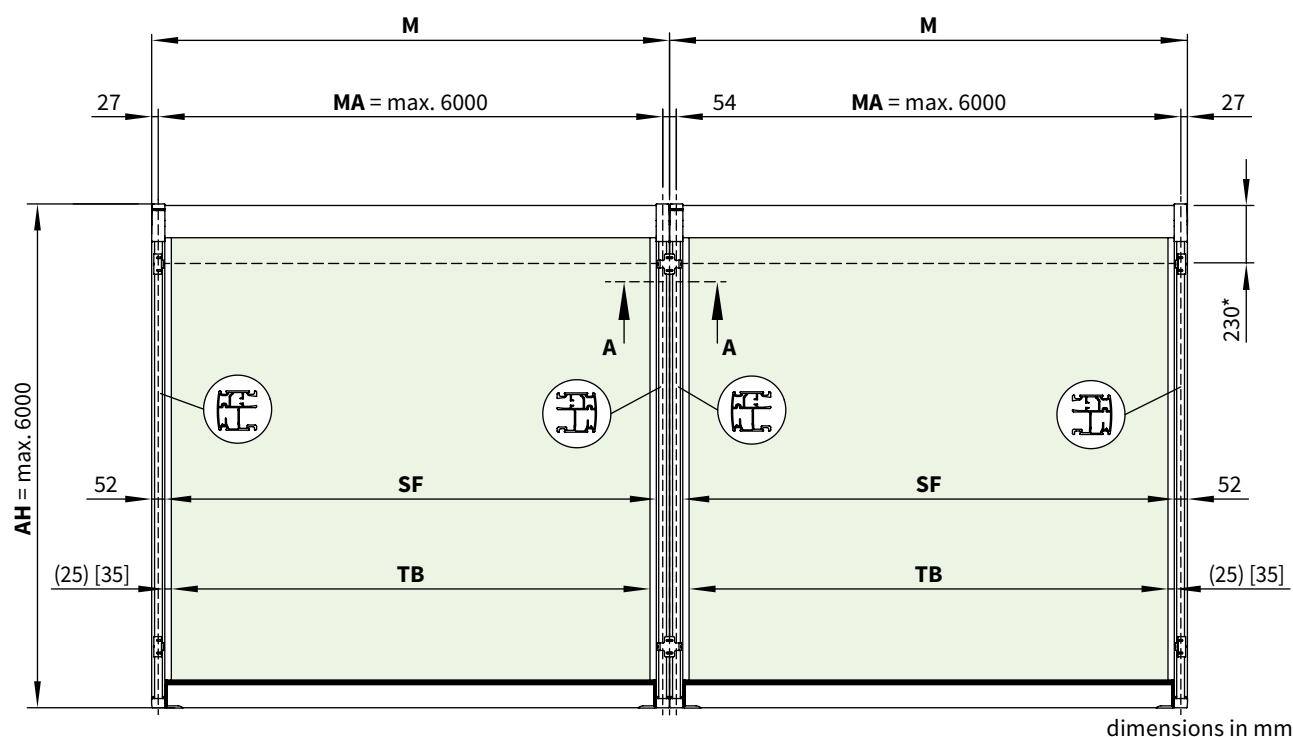
- 73624.= track bracket with adjustable head, 80 mm
- 76046.= track bracket with adjustable head, 100 mm
- 76048.= track bracket with adjustable heads, 140 mm

dimensions in mm

- AH = unit height
- BA = mounting axis
- HH = bracket height
- M = overall blind width
- MA = blind fixture width = BA = mounting axis
- SF = visible cover (in tracfix systems)
- TB = cover width
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \* = cassette and front profile height with the blind retracted

# Installation dimensions

Dimension overview of two single units: fixture via a double track bracket in the centre

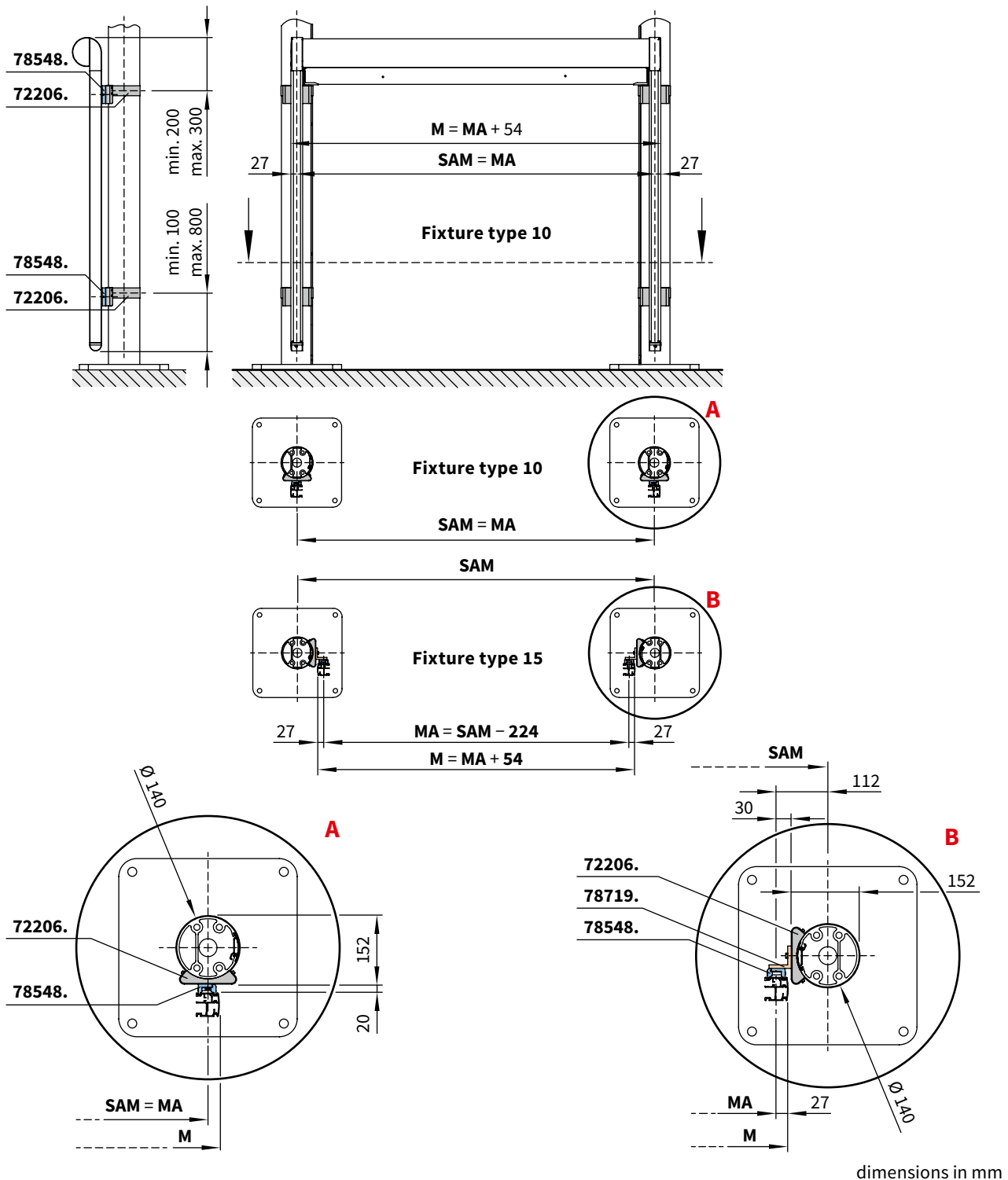


- AH** = unit height
- HH** = bracket height
- M** = overall blind width
- MA** = blind fixture width = **BA** = mounting axis
- SF** = visible cover (in tracfix systems)
- TB** = cover width
- (...) = gap between cover and guide track (non-tracfix units)
- [...] = gap between cover and guide track (non-tracfix units) in gearbox-operated units
- \* = cassette and front profile height with the blind retracted

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# Installation dimensions

Dimension overview fixture to the round post of markilux syncra 2 / markilux RS-2



72206. = post fixture for single or double track bracket markilux syncra 2

78548. = flat track brackets (fixture types 10 / 15)

78719. = additional angled bracket for the bearing, gearbox and motor side

A = detailed view, fixture type 10

B = detailed view, fixture type 15

M = overall blind width =  $MA + 54$  mm

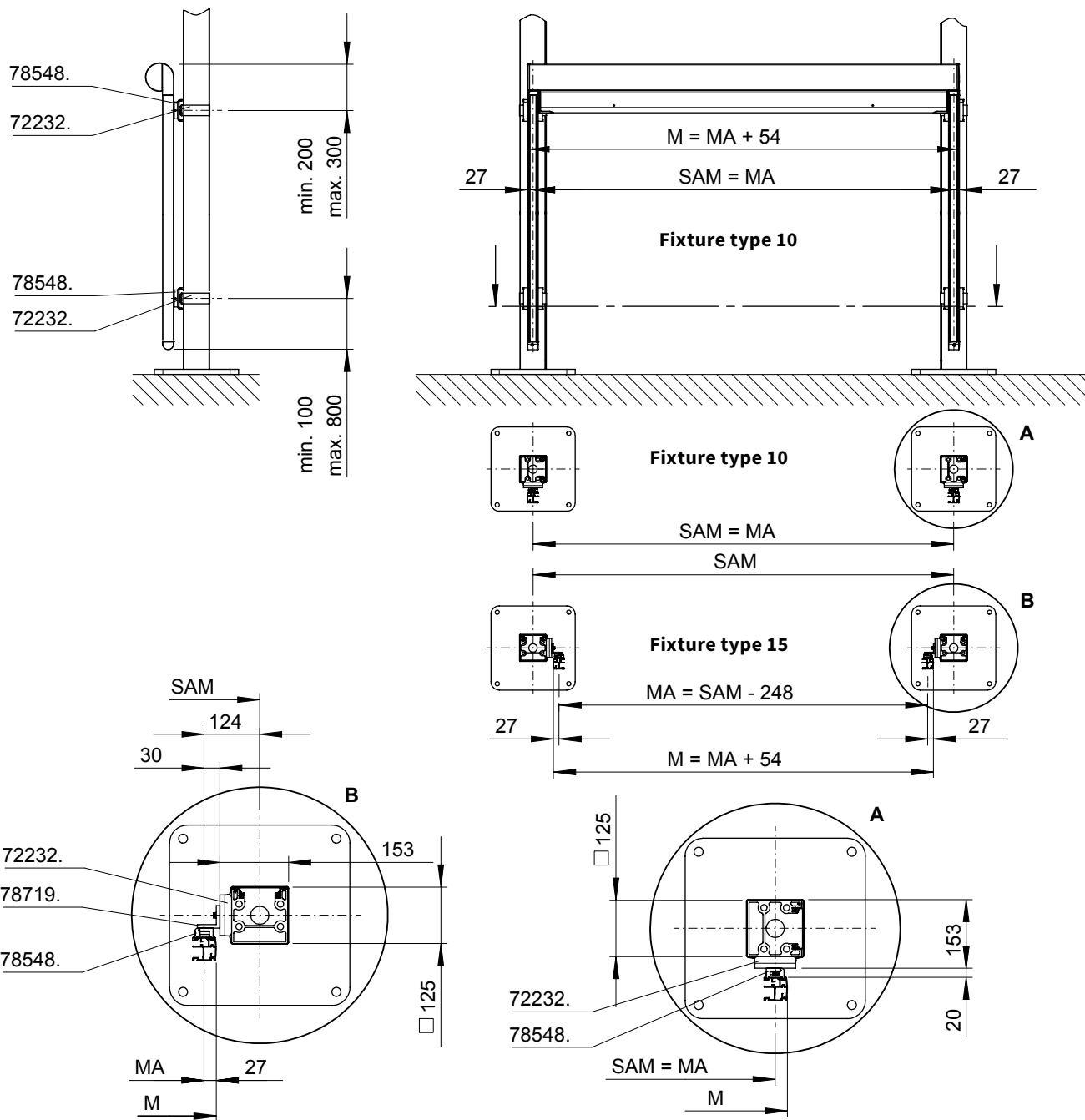
MA = blind fixture width = blind width between fixture points

SAM = dimension from post centre to post centre of the markilux syncra 2 / RS-2

# Installation dimensions

Dimension overview fixture to the square post of markilux syncra 2 / markilux RS-2

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dimensions in mm

- 72232.** = post fixture guide rail, single and double bracket, angled
- 78548.** = flat track brackets (fixture types 10 / 15)
- 78719.** = additional angled bracket for the bearing, gearbox and motor side
- A** = detailed view, fixture type 10
- B** = detailed view, fixture type 15
- M** = overall blind width =  $MA + 54$  mm
- MA** = blind fixture width = blind width between fixture points
- SAM** = dimension from post centre to post centre of the markilux syncra 2 / RS-2

01 **Installation dimensions**

02 **Installation of two vertical blinds to a round corner post of markilux syncra 2 / markilux RS-2**

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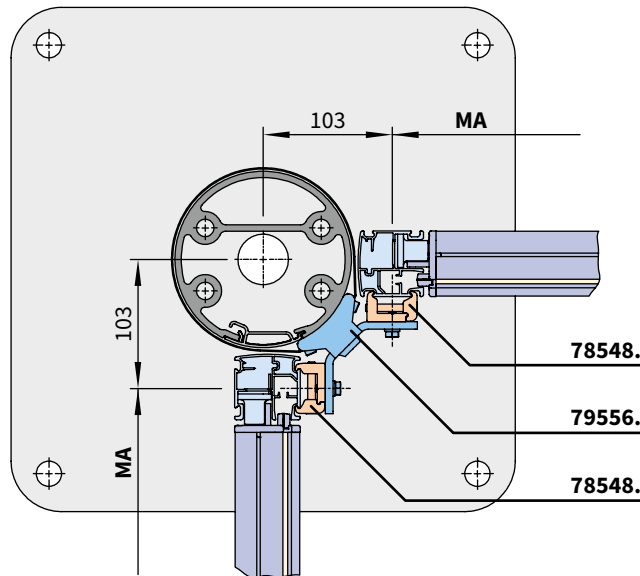
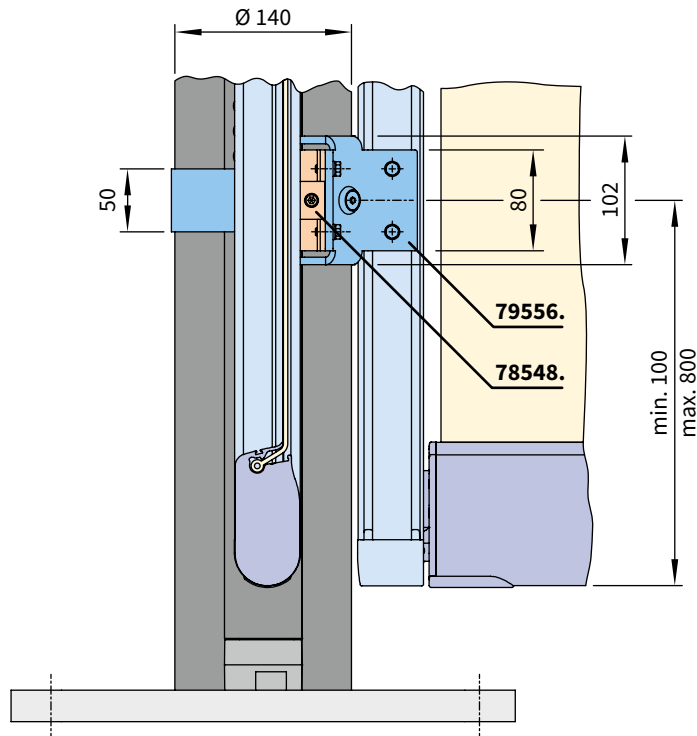
11

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dimensions in mm

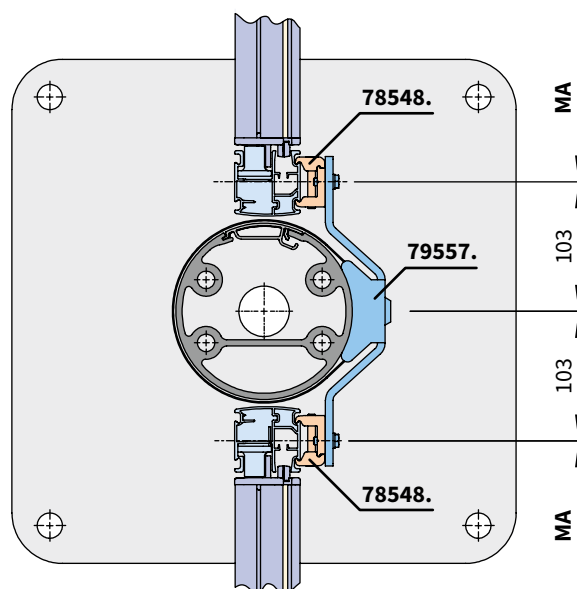
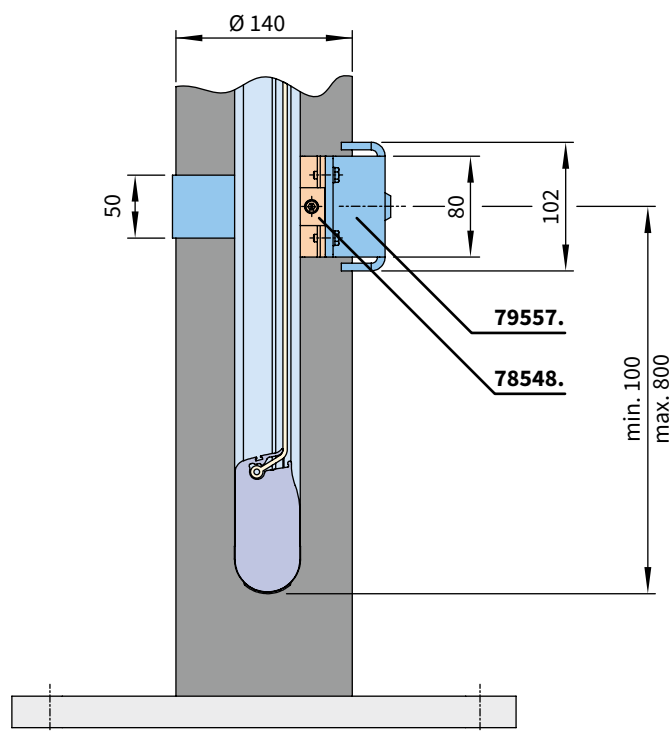
**79556.** = post fixture guide rail , bracket, both sides, rounded,

**78548.** = flat track bracket

**MA** = awning fixture width = fixture width = order width

# Installation dimensions ringungsmaße

Installation of two vertical blinds to a round middle post of markilux syncra 2 / markilux RS-2



dimensions in mm

**79557.** = post fixture guide rail, centre, both sides, rounded

**78548.** = flat track bracket

**MA** = awning fixture width = fixture width = order width

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01 **Installation dimensions**

02 **Installation of one vertical blind to a round corner post of markilux snycra 2 / RS-2**

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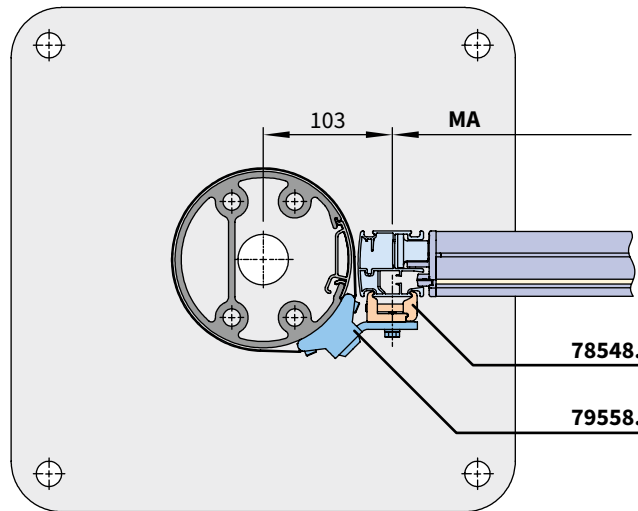
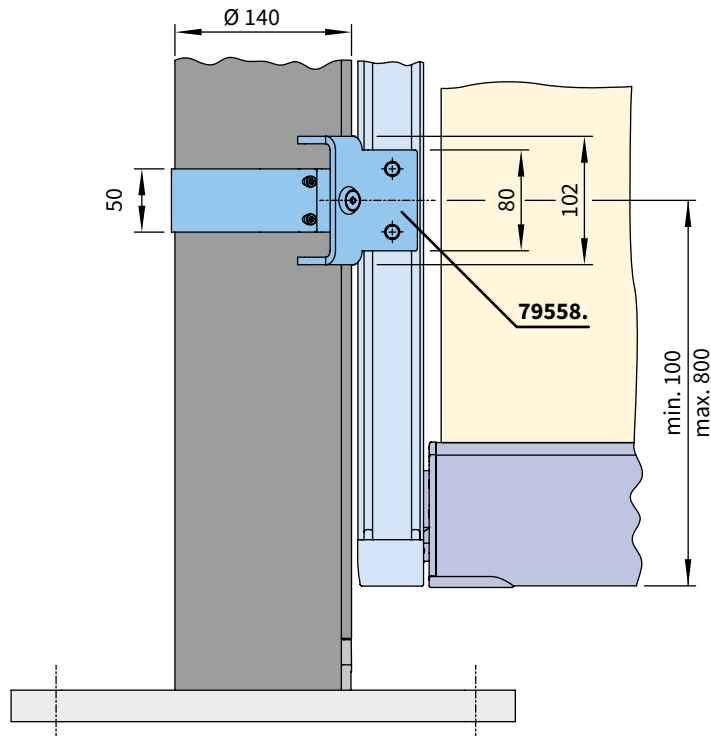
11

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dimensions in mm

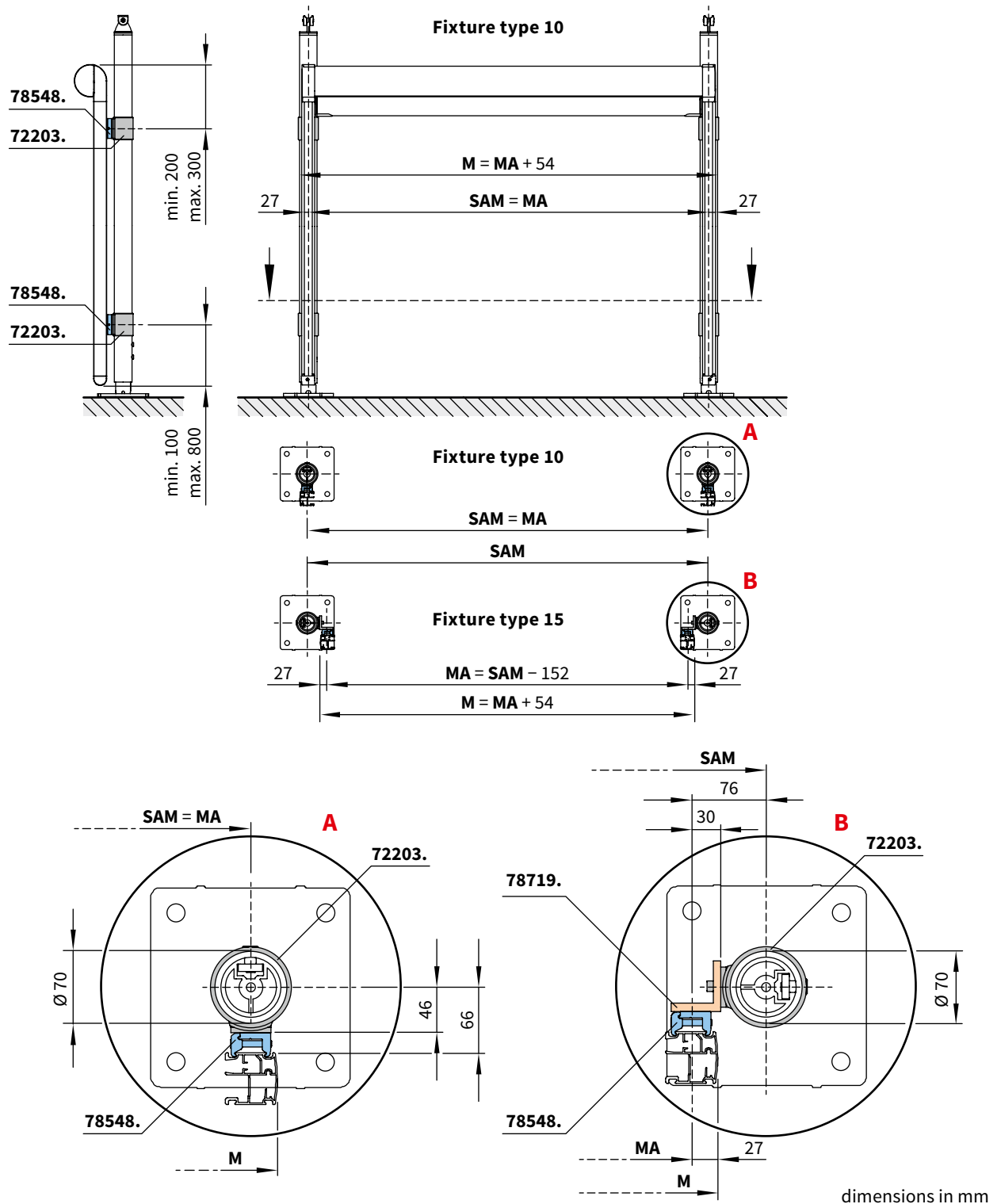
**79558.** = post fixture guide rail, bracket, one side, rounded

**78548.** = flat track bracket

**MA** = awning fixture width = fixture width = order width

# Installation dimensions

## Dimension overview installation to round markilux pergola posts



72203. = bracket assembly for fixture of flat track bracket, 78548. to the markilux 110/210

78548. = flat track brackets (fixture type 10 / 15)

78719. = additional angled bracket for the bearing, gearbox and motor side (fixture type 15)

A = detailed view, fixture type 10

B = detailed view, fixture type 15

M = overall blind width = MA + 54 mm

MA = blind fixture width = blind width between fixture points

SAM = dimension from post centre to post centre of the markilux pergola

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## **markilux** flexible panorama window

The flexible panorama window for **markilux** 776 tracfix and **markilux** 876 tracfix - for an unobstructed view

## 01 Flexible panorama window for

## 02 markilux 776 tracfix and

## 03 markilux 876 tracfix

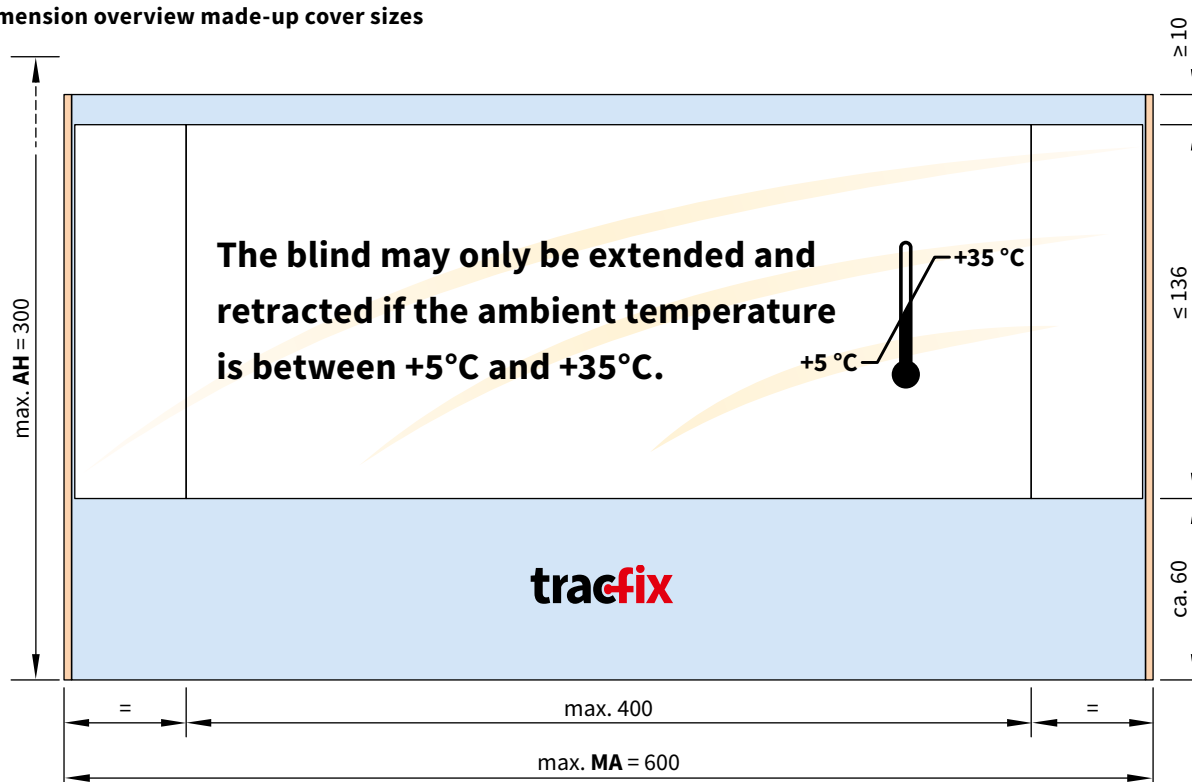
04

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## Dimension overview made-up cover sizes



MA = blind fixture width

dimensions in cm

AH = unit height

The different properties of polyester fabrics and those of the window foil may, depending on the temperature and conditions, lead to the formation of wrinkles, fraying, curved lines where the materials meet and to squeaking.

Scuff marks and scratches in the panorama window itself may become evident.

A so-called softener migration and thus milky turbidity is possible by moisture on the window foil.

This effect can be intensified by the moist panorama window being rolled up combined with heat exposure. It is therefore advisable to allow the moisture to evaporate on the window before the blind is retracted. Existing turbidities may evapo-

rate with time. Due to various weather conditions this can not be guaranteed.

These effects are caused by the material used, are unavoidable and therefore do not represent a justified complaint. This also regards the electrostatic charge that may build up.

The bottom limit of the blind may alter slightly as the window foil slowly stretches and may have to be reset at a later date.



## **markilux 620 tracfix**

**Vertical cassette blind with tracfix system – particularly stable in windy conditions, without cover gap**

**Extended size matrix:**

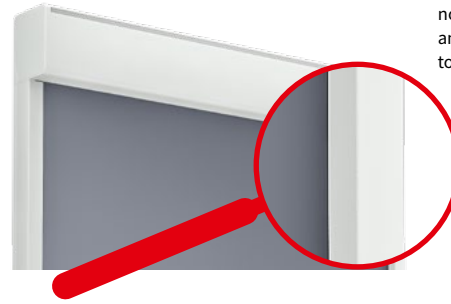
**up to 400 cm blind width and 400 cm unit height**

**New slimline frontprofile**

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**08**  
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15



side view  
markilux 620 tracfix



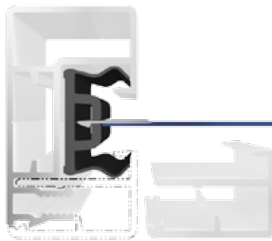
no gap between cover  
and guide tracks due  
to tracfix technology



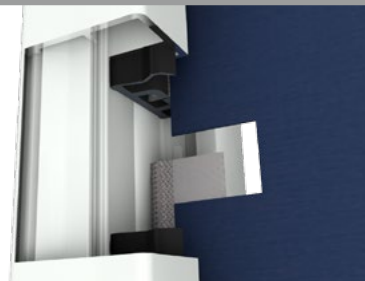
niche fixture  
markilux 620 tracfix



the front profile  
finishes flush with  
the guide tracks  
when fully extended



sectional view  
guide track with tracfix  
profile and clip-on  
front profile hiding  
the fixture screws



detail view  
guide track and  
tracfix profile

### Design Features

vertical blind; ideal protection from the sun and prying eyes

attractive, completely closed appearance with no annoying gap between the blind cover and guide rails

compact, square and discreet, the cassette profile made of extruded aluminium

when retracted the cover is protected from the weather by the cassette, which encloses it completely

the fixing screws are hidden at the front by a second profile that is simply clipped on

### Technical Specification

tracfix system included – during extension, the blind cover is permanently connected to the guide tracks

the awning cover is guided along sturdy aluminium guide rails; the partly elastic interior track ensures optimum cover tension and noise minimisation in windy conditions

fixture of the guide rails directly to the wall, the window frame or the reveal

the front profile finishes flush with the guide tracks when fully extended

motor driven operation as standard

### Accessories

radio-controlled motor with radio remote control for ease of use

an easily installed, radio control light and wind sensor guarantees comfort and a degree of safety

awning available in non-standard RAL colours

### Dimensions and configuration options

		75	100	150	200	250	300	350	400		
		61 75	76 100	101 150	151 200	201 250	251 300	301 350	351 400		
	120 <sup>1)</sup>									61	76
	160										
	200										
	250										
	300										
	350										
	400										

1) smallest possible unit height 65 cm

dimensions in cm

#### Operation / Drive unit

	Standard	Optional
hard-wired motor	<input checked="" type="checkbox"/>	—
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>
io radio-controlled motor	—	<input checked="" type="checkbox"/>

#### Covers

	fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/> <sup>2)</sup>	—
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/> <sup>2)</sup>	—
perfortex ALU	332 ..	—	<input checked="" type="checkbox"/> <sup>2)</sup>
transolair	338 ..	—	<input checked="" type="checkbox"/>
vuscreen ALU	317 ..	—	<input checked="" type="checkbox"/> <sup>3)</sup>
Soltis 92		—	<input checked="" type="checkbox"/> <sup>4)</sup>

#### Frame colours

	Standard	Optional
traffic white RAL 9016	<input type="checkbox"/>	
metallic aluminium RAL 9006	<input type="checkbox"/>	
grey brown, similar to RAL 8019	<input type="checkbox"/>	
off-white textured finish* 5233	<input type="checkbox"/>	
stone grey metallic* 5215	<input type="checkbox"/>	
anthracite metallic* 5204	<input type="checkbox"/>	
Havana brown textured finish* 5229	<input type="checkbox"/>	
non-standard powder-coated finish		

\* = textured finish

2) available up to 300 cm unit height

3) unit height max. 250 cm

4) seamless up to unit height 170 cm, from 170 cm with horizontal seam(s)

#### Dimensions and tolerances

	Width
housing tolerance	+5 / -10 mm
blind cover width	on request
blind cover length	on request

= motor

= radio-controlled motor (433 MHz)

**M** = overall blind width

**M min.** = minimum width

**AH** = unit height

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Miscellaneous

	Standard	Optional
tracfix	☑	—
light and wind sensor	—	☑

Additional information

In the case of **motor operation** the awning will take approx. **15 seconds per metre to extend.**

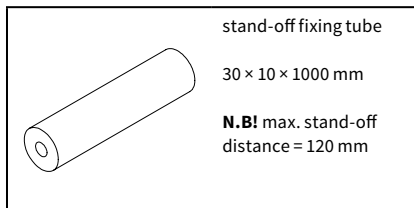
**N.B!** If the **motor is used continuously** it will **stop automatically** after 3 to 4 minutes **to prevent overheating.**

In the case of a **bank of blinds operating simultaneously**, the same speed of rotation of the motors cannot be guaranteed because of the internal tolerances of the motors.

Depending on the size of the blind, deflection may be in evidence in individual profiles and sections of profile which is completely unavoidable. This affects neither the functionality nor the durability of the awning.

This model is only available as a **single unit.**

Fixtures, fittings and accessories



701668

Fixture combinations / Fixture types

All brackets incur a surcharge

Fixture type

8

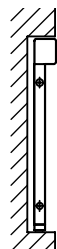


Face fixture

number of drill holes per guide rail  
 2 drill holes up to a unit height of 1200 mm  
 3 drill holes up to a unit height of 2200 mm  
 4 drill holes up to a unit height of 3000 mm  
 5 drill holes up to a unit height of 4000 mm

Fixture type

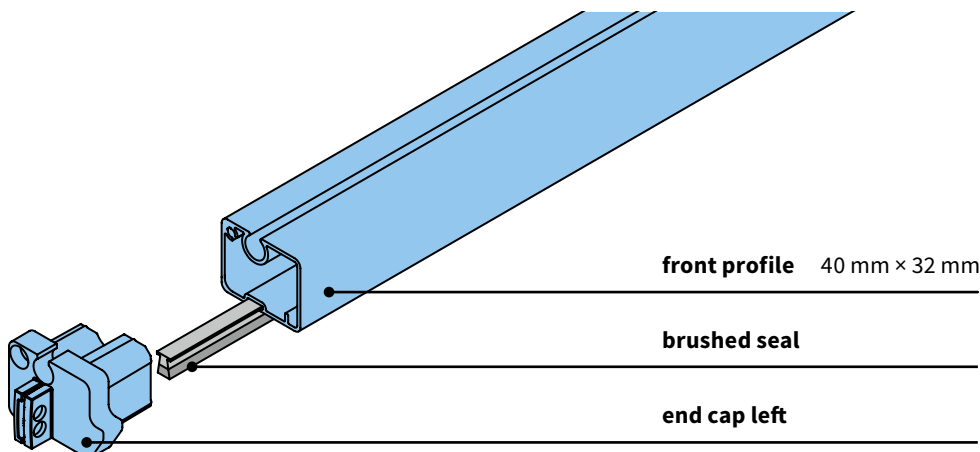
9



Lateral fixture in the reveal

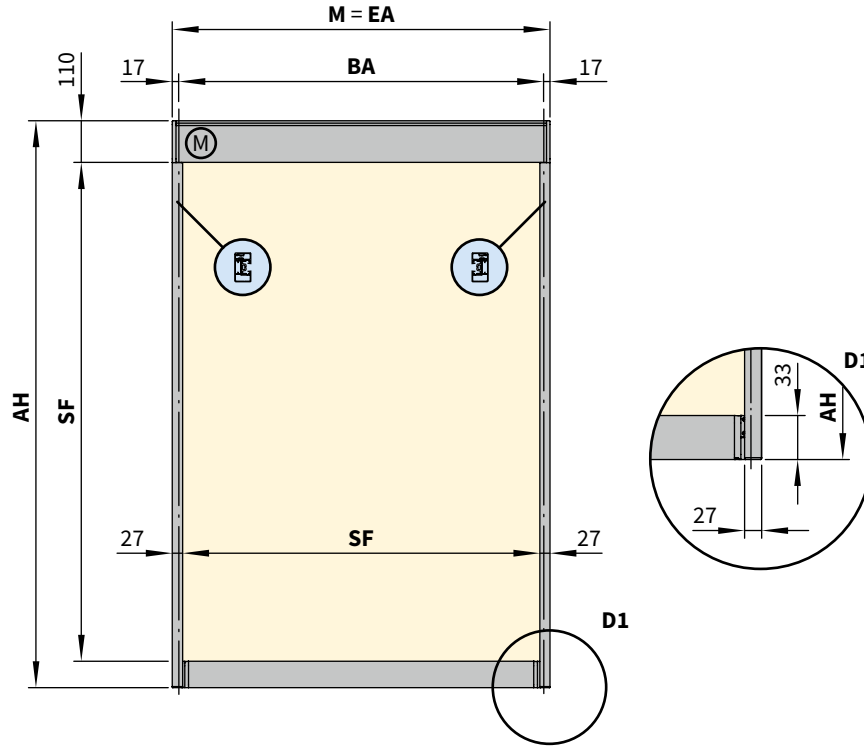
number of drill holes per guide rail:  
 2 drill holes up to a unit height of 1200 mm  
 3 drill holes up to a unit height of 2200 mm  
 4 drill holes up to a unit height of 3000 mm  
 5 drill holes up to a unit height of 4000 mm

Detailed view front profile



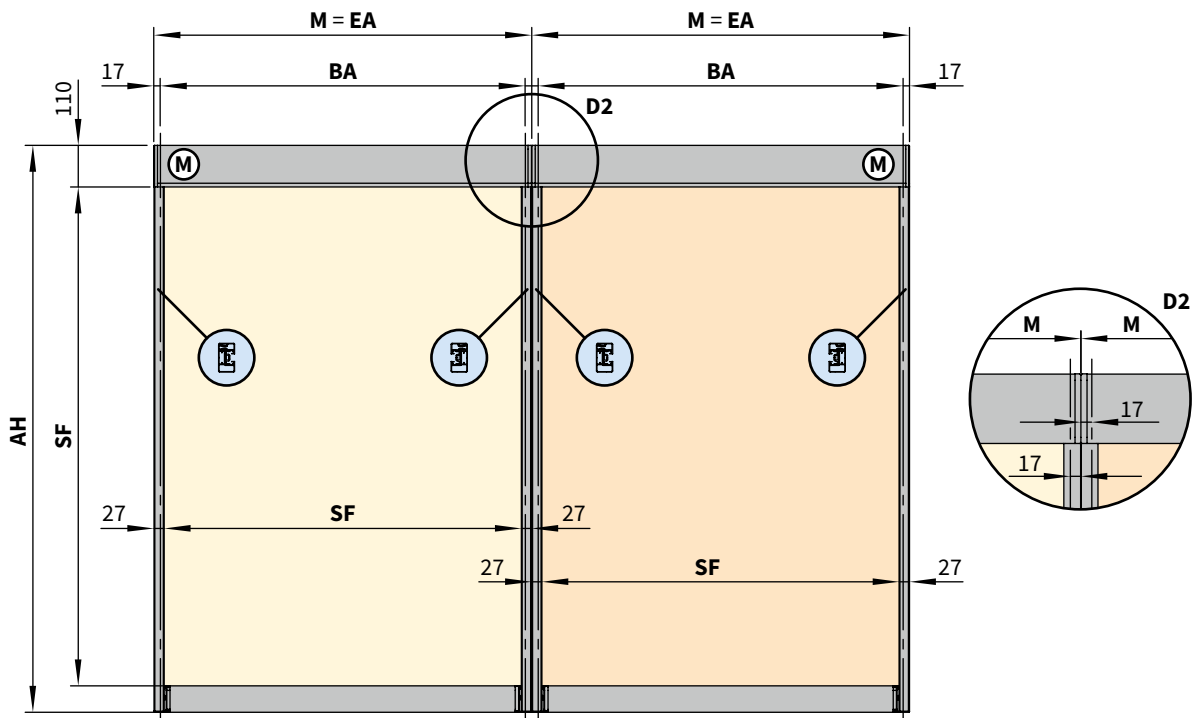
# Dimension overview markilux 620 tracfix

Single unit, 1 motor



dimensions in mm

2 single units, 2 motors



dimensions in mm

EA = single unit

M = blind width = **order width**

BA = width between fixture points

AH = unit height = **order height**

SF = visible cover area

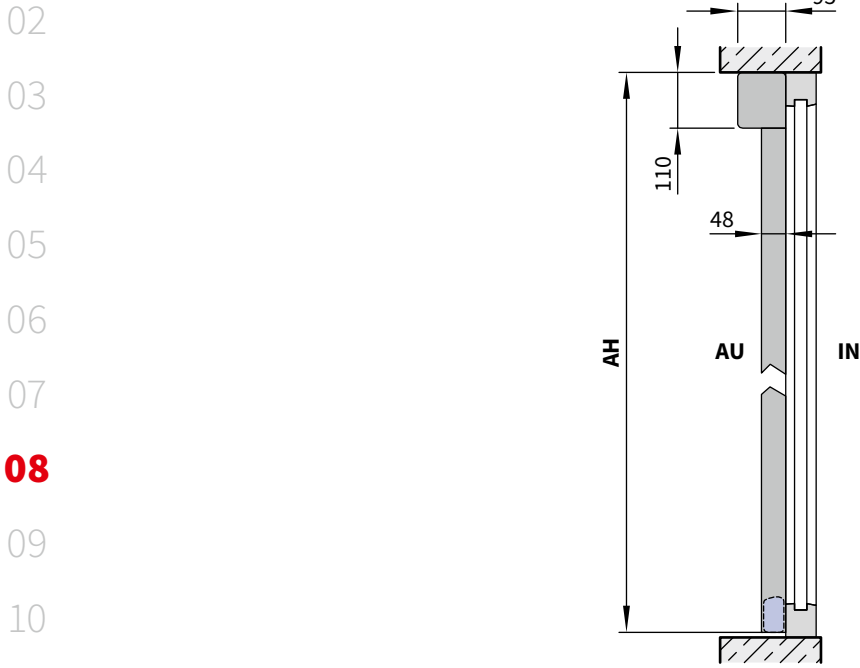
Ⓜ = motor

D 1 = detail

D 2 = detail of the contact point of 2 single units

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01 Dimension overview markilux 620 tracfix



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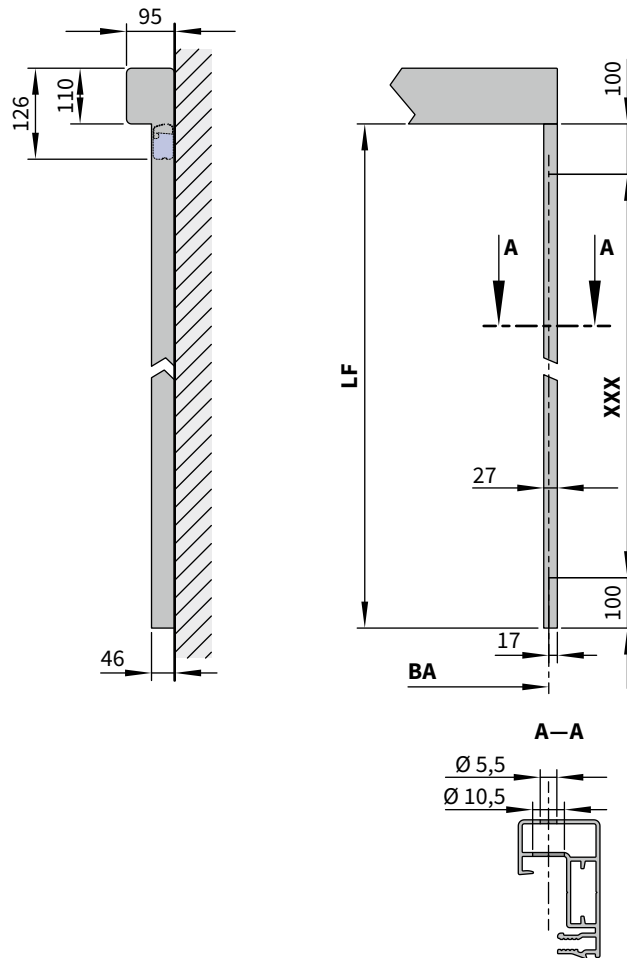
dimensions in mm

12 Fixture type 8 (face fixture)

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dimensions in mm

AH = unit height

AU = exterior

BA = width between fixture points

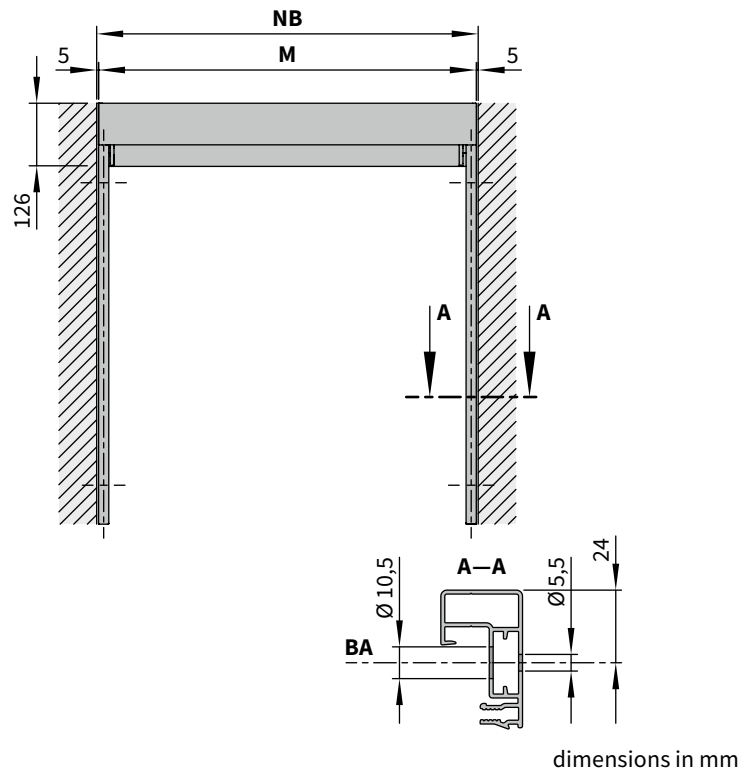
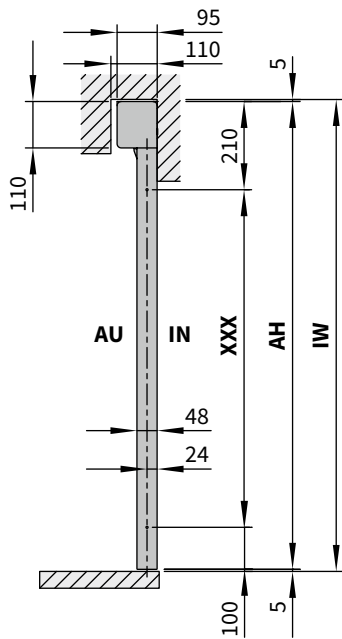
IN = interior

LF = length of guide rail

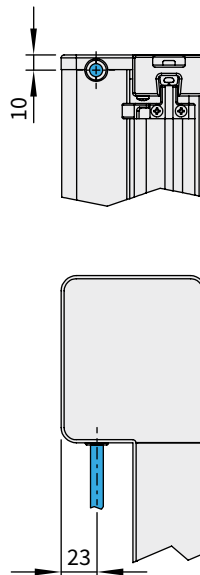
XXX = even drill hole distribution

# Dimension overview markilux 620 tracfix

Fixture type 9 (lateral fixture in the reveal / niche fixture)



## Cable exit position in motor-driven units



**AH** = unit height = **IW** - 10 mm = **order height**  
**AU** = exterior  
**BA** = width between fixture points  
**IN** = interior  
**IW** = niche height

**M** = blind width = **NB** - 10 mm = blind fixture width = **order width**  
**NB** = niche width  
**XXX** = even drill hole distribution

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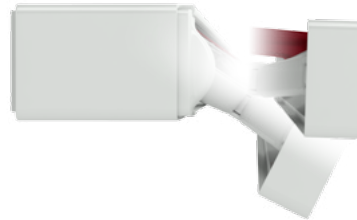


## markilux 970

The compact cassette awning with the straight design –  
with extended size matrix:  
available up to 600 cm width and 350 cm projection

Now even with shadeplus



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08side view  
top fixturethe awning pitch  
can be adjusted  
from 5° to 30°

09

side view  
eaves fixturethe wind safety  
mechanism in the  
tilt device ensures  
safe operationintegrated shadeplus  
in the front profile  
(option)LED spots underneath  
the cassette (option)10  
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## Design Features

compact, rectangular cassette

modern, purist design suited to current architectural styles with straight lines and a clear concept

attractive appearance thanks to the torque bar-free construction

compact housing only 140 mm in height

the special cassette shape surrounds the roller tube even when the awning is extended so lending the awning a closed and overall harmonious appearance

the panel joints of the awning cover are ultrasonically bonded – giving an improved appearance without bothersome stitching

when retracted, the cover is protected from the weather by the cassette, which encloses it completely

## Technical Specification

when the awning is closed, the folding arms are protected inside the front profile

folding arms with perfected power transference by means of the innovative bionic tendon

the 85 mm roller tube ensures the highest rigidity and the best possible cover winding characteristics even at the largest widths

folding arms with drop-forged, aluminium joint components and Teflon-coated bronze bushes, which provide superior robustness and durability

the new and unique fixture technology makes installation simple and easy

simple pitch adjustment of 5° to 30° via the tilt device

## Accessories

shadeplus creates additional living space on the terrace: vertical protection against the sun, wind and inquisitive glances.

hard-wired for switch operation

radio-controlled motor with radio remote control for ease of use

automatic sun and wind controls

in the case of manual operation, ease of use is ensured with the spring-assisted gearbox

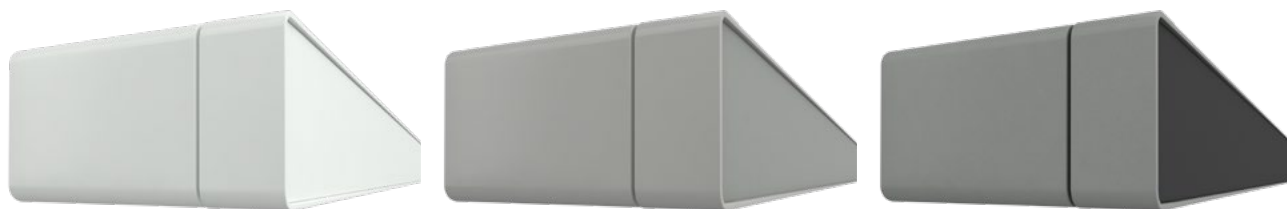
the optional lighting in energy-efficient technology (LED spotlights) provides a striking atmosphere under the awning

awning available in non-standard RAL colours

various front panel colours which contrast the frame colour (without surcharge)

**Frame colours / Front panel colours** (upper description / lower description)

<b>traffic white</b>	RAL 9016	<b>metallic aluminium</b>	RAL 9006	<b>stone grey metallic</b>	5215
<b>traffic white</b>	RAL 9016	<b>stone grey metallic</b>	5215	<b>anthracite metallic</b>	5204



<b>off-white textured finish</b>	5233	<b>anthracite metallic</b>	5204	<b>anthracite metallic</b>	5204
<b>anthracite metallic</b>	5204	<b>anthracite metallic</b>	5204	<b>stone grey metallic</b>	5215

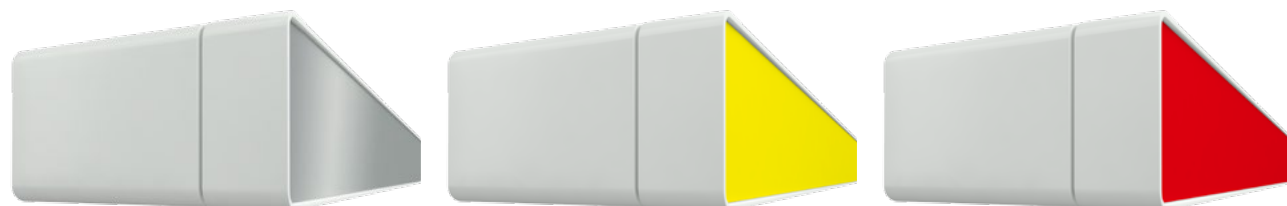


**Examples:** The colour of the front panel (lower description) can be combined to match or contrast with the awning colour (upper description).

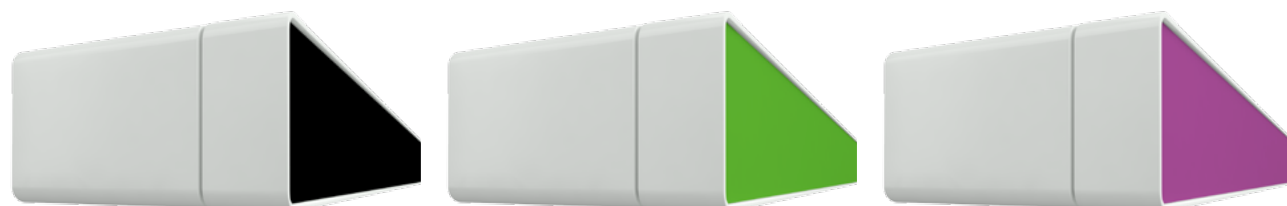
**Additional front panel colours**

By way of example, all possible front panel colours are shown below with the frame colour traffic white RAL 9016. The front panel colours can be combined at will with all standard, non-standard Lounge and RAL colours.

<b>anodised aluminium</b>	E6 / EV1	<b>sulphur yellow</b>	RAL 1016	<b>traffic red</b>	RAL 3020
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<b>pitch black</b>	RAL 9005	<b>yellow green</b>	RAL 6018	<b>traffic purple</b>	RAL 4006
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## Dimensions and configuration options

		250	300	350	400	450	500	550	600		
		195 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600		
	150	1)								195*	195
	200	1)								245*	245
	250	—	1)							295*	295
	300	—	—	1)				2)	2)	345*	345
	350	—	—	—	1) 2)	2)	2)	—	—	395*	395

1) please note the minimum widths! 2) shadeplus not available

dimensions in cm

\*The vibrabox can only be positioned **in the centre**, between the arms.

If a vibrabox is required the **minimum width increases by 15 cm**.

### Operation / drive unit

	Standard	Optional
manual operation	<input checked="" type="checkbox"/>	—
servo-assisted operation	—	<input checked="" type="checkbox"/>
motor	—	<input checked="" type="checkbox"/>
io Radio controls	—	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>

### Shadeplus

	Standard	Optional
manual operation	<input checked="" type="checkbox"/>	—
motor	—	<input checked="" type="checkbox"/>
io Radio controls	—	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>

### Covers

	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/>	—
sunsilk perla FR	374 ..	—	<input checked="" type="checkbox"/>
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/>	—
sunvas perla	370 ..	—	<input checked="" type="checkbox"/>

### Miscellaneous

	Standard	Optional
shadeplus	—	<input checked="" type="checkbox"/>
LED spotlights	—	<input checked="" type="checkbox"/>
light and wind sensor	—	<input checked="" type="checkbox"/>
vibrabox* / radio control light sensor Sunis WireFree	—	<input checked="" type="checkbox"/>

= motor

= manual operation

**M** = overall awning width

**M min.** = minimum width

**H** = extension

## Lighting options



LED spotlights underneath the cassette

### Radio control options LED lighting

	Radio RTS (433 MHz)	Radio io (868 MHz)
LED spotlights	on / off / dimmable	on / off / dimmable

### Frame and front panel colours

	Standard	Optional
traffic white RAL 9016		
metallic aluminium RAL 9006		
grey brown, similar to RAL 8019		
off-white textured finish* 5233		
stone grey metallic* 5215		
anthracite metallic* 5204		
Havana brown textured finish* 5229		
non-standard powder-coated finish		

\* = textured finish

### Additional front panel colours

	Optional
anodised aluminium E6 / EV1	
sulphur yellow RAL 1016	
traffic red RAL 3020	
pitch black RAL 9005	
yellow green RAL 6018	
traffic purple RAL 4006	

### Dimensions and tolerances

	Width	Nominal extension
housing tolerances	+5 / -5 mm	±40 mm
awning cover width	<b>M</b> - 320 mm	
awning cover length	<b>H</b> + 130 mm	

### Additional Information

The width of the awning cover is always less than that of the awning. Pitch adjustment range: 5° to 30°.

In the case of manual operation approximately 16 winding handle revolutions can be assumed per metre of awning projection. It takes approximately 12 seconds per metre to extend a **motor-driven awning**.

This model is only available as a **single unit**.

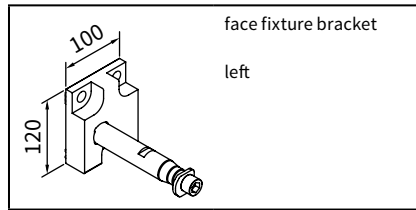
If two single units are fitted side by side, a minimum gap of 5 cm between the units is required.

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

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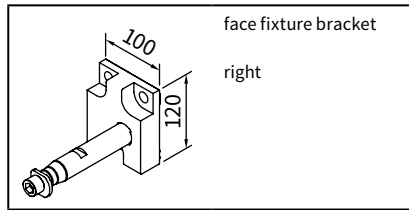
01 **Fixtures, fittings and accessories**

02 **Face fixture brackets**



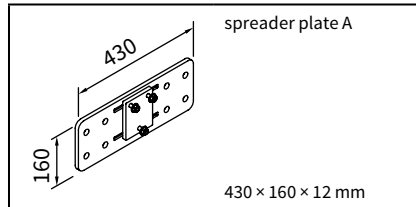
face fixture bracket  
left

**72826.**



face fixture bracket  
right

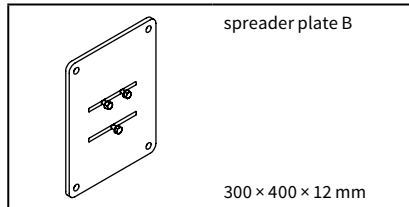
**72827.**



spreader plate A

430 × 160 × 12 mm

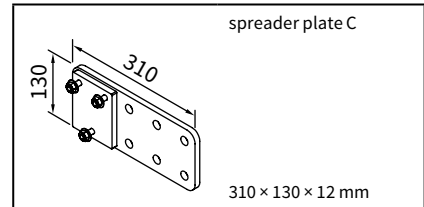
**72870.**



spreader plate B

300 × 400 × 12 mm

**75325.**

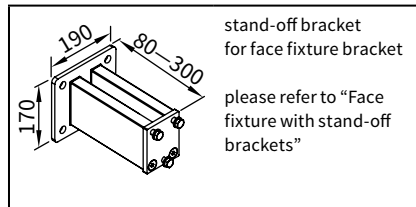


spreader plate C

310 × 130 × 12 mm

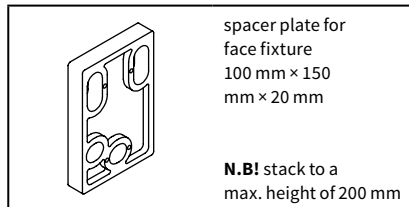
**72526.**

09



stand-off bracket  
for face fixture bracket  
please refer to "Face  
fixture with stand-off  
brackets"

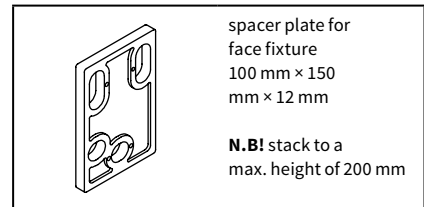
**72872.**



spacer plate for  
face fixture  
100 mm × 150  
mm × 20 mm

**N.B!** stack to a  
max. height of 200 mm

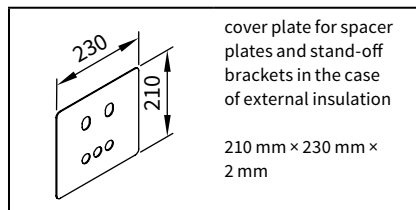
**718231**



spacer plate for  
face fixture  
100 mm × 150  
mm × 12 mm

**N.B!** stack to a  
max. height of 200 mm

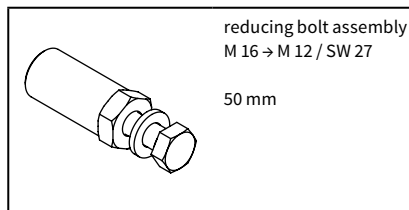
**718241**



cover plate for spacer  
plates and stand-off  
brackets in the case  
of external insulation

210 mm × 230 mm ×  
2 mm

**71843.**

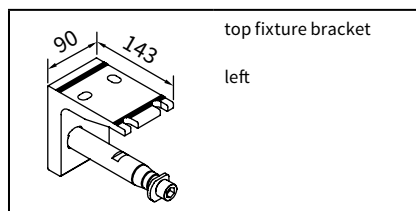


reducing bolt assembly  
M 16 → M 12 / SW 27

50 mm

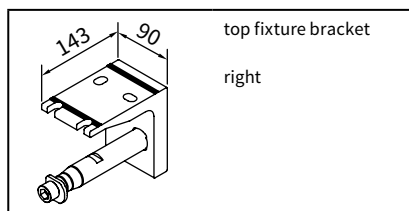
**753891**

13 **Top fixture**



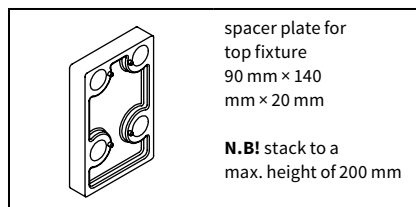
top fixture bracket  
left

**72860.**



top fixture bracket  
right

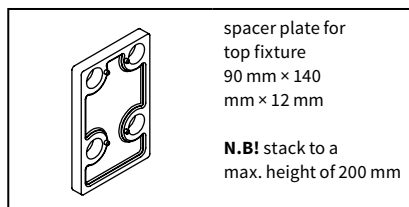
**72861.**



spacer plate for  
top fixture  
90 mm × 140  
mm × 20 mm

**N.B!** stack to a  
max. height of 200 mm

**716311**



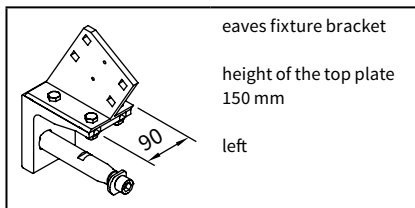
spacer plate for  
top fixture  
90 mm × 140  
mm × 12 mm

**N.B!** stack to a  
max. height of 200 mm

**716411**

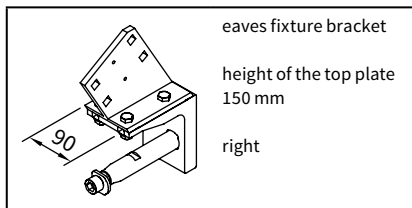
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**Eaves fixture brackets**



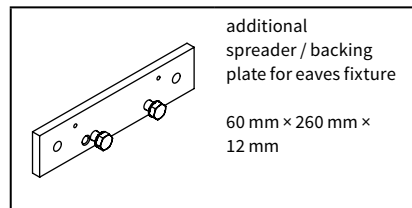
eaves fixture bracket  
height of the top plate  
150 mm  
left

**72874.**



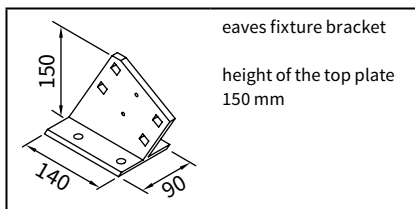
eaves fixture bracket  
height of the top plate  
150 mm  
right

**72875.**



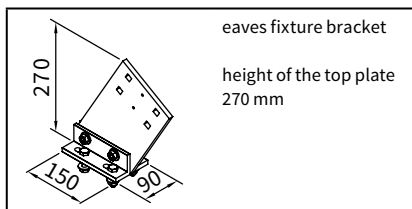
additional  
spreader / backing  
plate for eaves fixture  
60 mm x 260 mm x  
12 mm

**75383.**



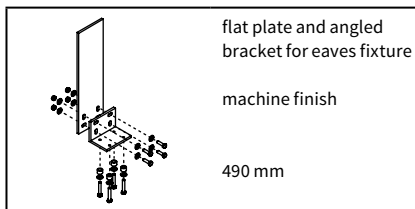
eaves fixture bracket  
height of the top plate  
150 mm

**71612.**



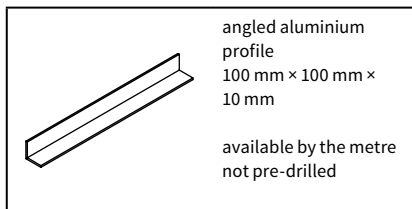
eaves fixture bracket  
height of the top plate  
270 mm

**71659.**



flat plate and angled  
bracket for eaves fixture  
machine finish  
490 mm

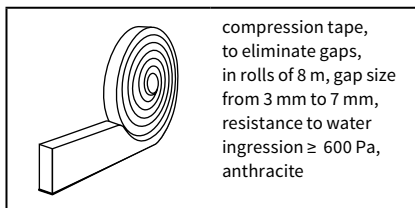
**716620**



angled aluminium  
profile  
100 mm x 100 mm x  
10 mm  
available by the metre  
not pre-drilled

**79380.**

**Accessories**



compression tape,  
to eliminate gaps,  
in rolls of 8 m, gap size  
from 3 mm to 7 mm,  
resistance to water  
ingression ≥ 600 Pa,  
anthracite

**795721**

. = insert RAL colour code no.

# Face fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate

**non compression-proof** substrate

		M [cm]							M [cm]										
		250	300	350	400	450	500	550	600			250	300	350	400	450	500	550	600
H [cm]	FB [N]																		
150	691	805	919	1033	1148	1262	1376	1490	729	850	970	1091	1211	1332	1452	1573			
200	1084	1256	1429	1601	1774	1947	2119	2292	1144	1326	1508	1690	1873	2055	2237	2419			
250	—	1745	1986	2227	2469	2710	2951	3193	—	1842	2097	2351	2606	2861	3115	3370			
300	—	—	2632	2952	3272	3592	4343	4704	—	—	2778	3116	3454	3792	4584	4966			
350	—	—	—	3863	4272	5211	—	—	—	—	—	4077	4509	5500	—	—			

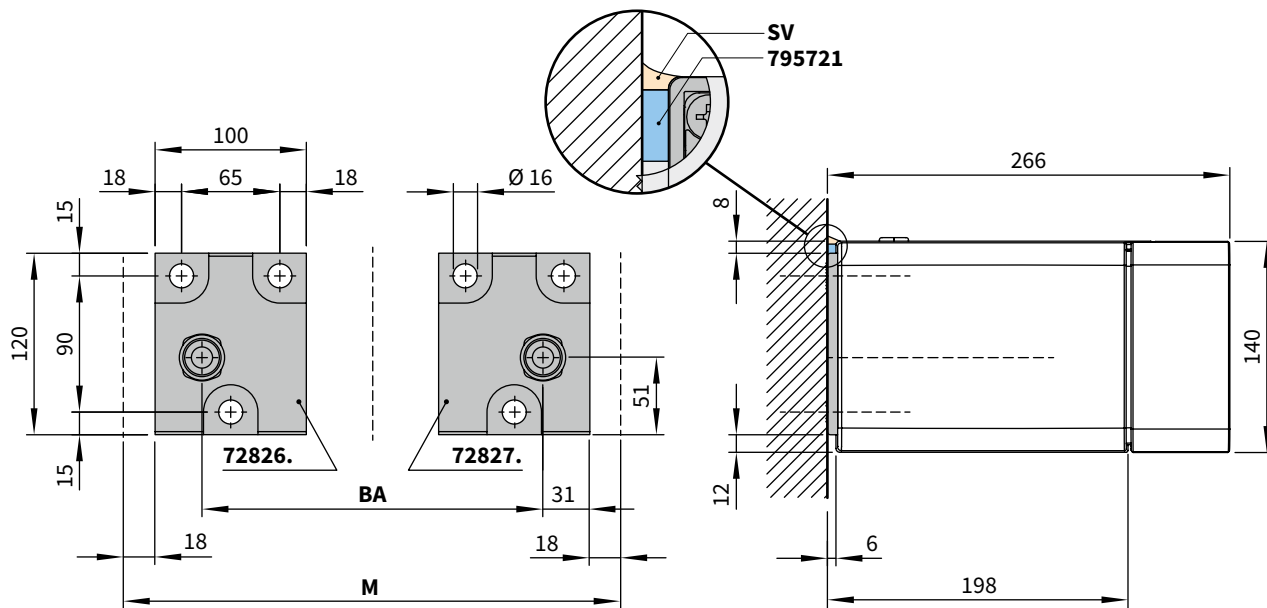
  

HT   BHT	2   100 mm
BM	6

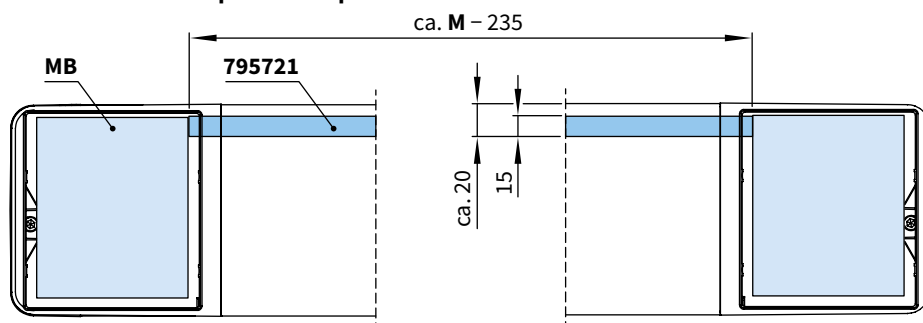
The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **90 mm**.

If this measurement is reduced to the minimum, the pull-out force increases by up to **3 %** in the case of **compression-proof** substrates and by up to **7 %** in the case of **non-compression-proof** substrates.

- M** = overall awning width
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points
- 72826.** = face fixture bracket, left
- 72827.** = face fixture bracket, right
- 795721** = compression tape
- BA** = width between fixture points
- MB** = bracket fixture range
- SV** = silicon seal



## Face fixture and the use of compression tape



dimensions in mm

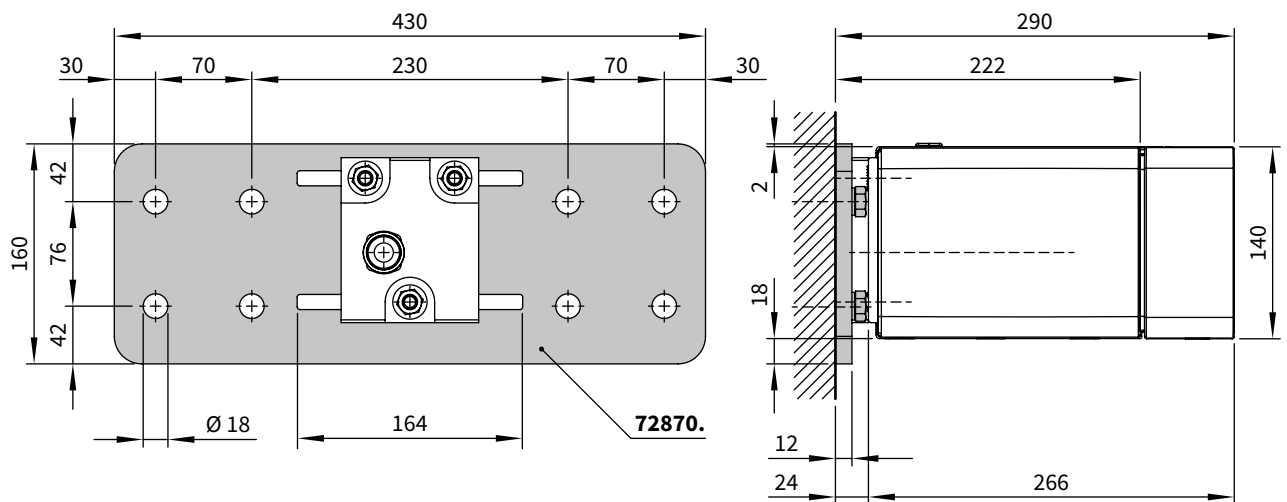
# Face fixture with spreader plate A

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate									non compression-proof substrate								
M [cm]									M [cm]								
H [cm]									H [cm]								
FB [N]									FB [N]								
250	300	350	400	450	500	550	600		250	300	350	400	450	500	550	600	
150	311	362	414	465	516	567	619	670	442	515	588	661	733	806	879	952	
200	485	563	640	717	794	871	949	1026	690	799	909	1019	1129	1238	1348	1458	
250	—	779	887	994	1102	1210	1317	1425	—	1107	1260	1413	1566	1719	1872	2025	
300	—	—	1172	1315	1457	1600	1935	2096	—	—	1666	1869	2071	2274	2749	2978	
350	—	—	—	1718	1900	2318	—	—	—	—	—	2441	2700	3294	—	—	
HT   BHT	2   100 mm								2   100 mm								
BP	2								2								
BM	16								16								

The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **76 mm**.  
 In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **72870.** = spreader plate A
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

# Face fixture with spreader plate B

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

H [cm]	250	300	350	400	450	500	550	600
150	182	212	242	272	302	332	362	392
200	285	330	375	421	466	511	557	602
250	—	458	521	584	647	711	774	837
300	—	—	689	773	857	941	1138	1232
350	—	—	—	1011	1118	1364		

**non compression-proof** substrate  
M [cm]

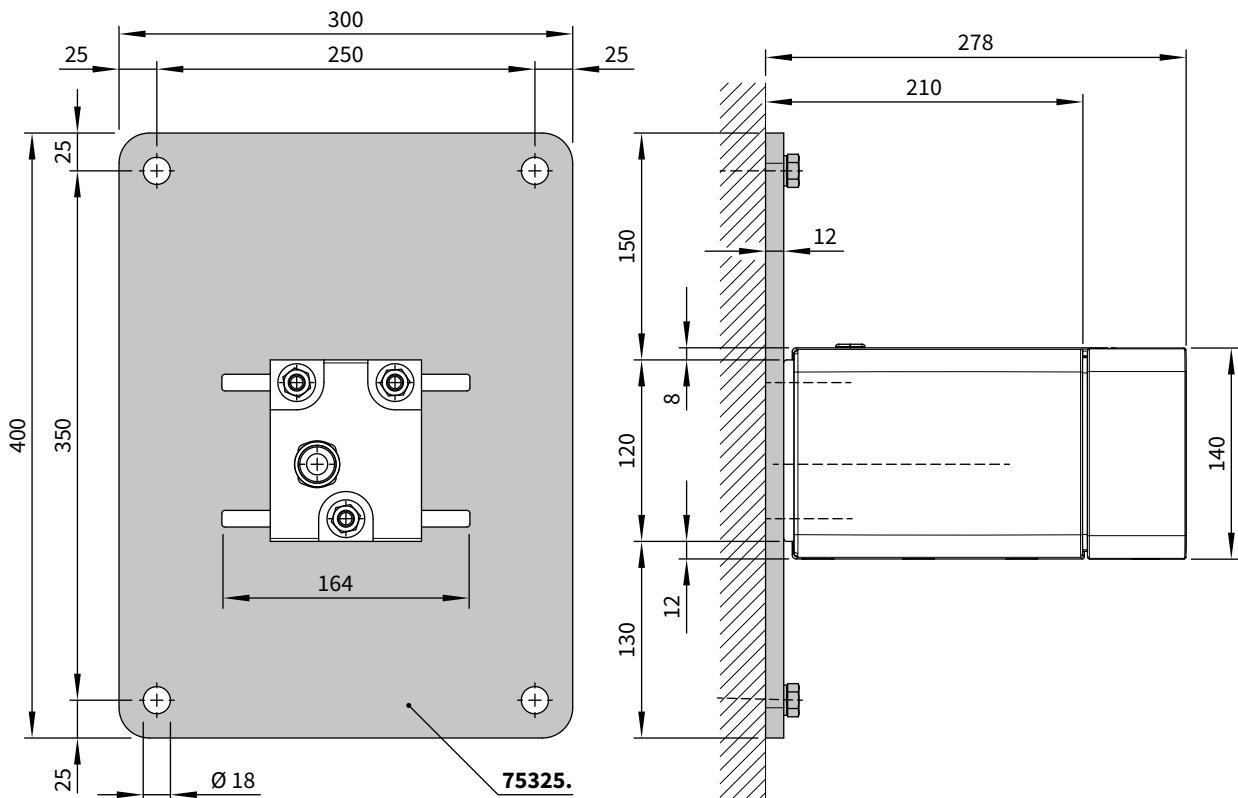
H [cm]	250	300	350	400	450	500	550	600
150	190	221	252	284	315	346	378	409
200	297	344	391	439	486	533	580	628
250	—	477	543	609	675	741	807	873
300	—	—	719	806	894	981	1186	1285
350	—	—	—	1054	1166	1422	—	—

HT   BHT	2   100 mm
BP	2
BM	8

HT   BHT	2   100 mm
BP	2
BM	8

**09** The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **350 mm**. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **75325.** = spreader plate B
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

# Face fixture with spreader plate C

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

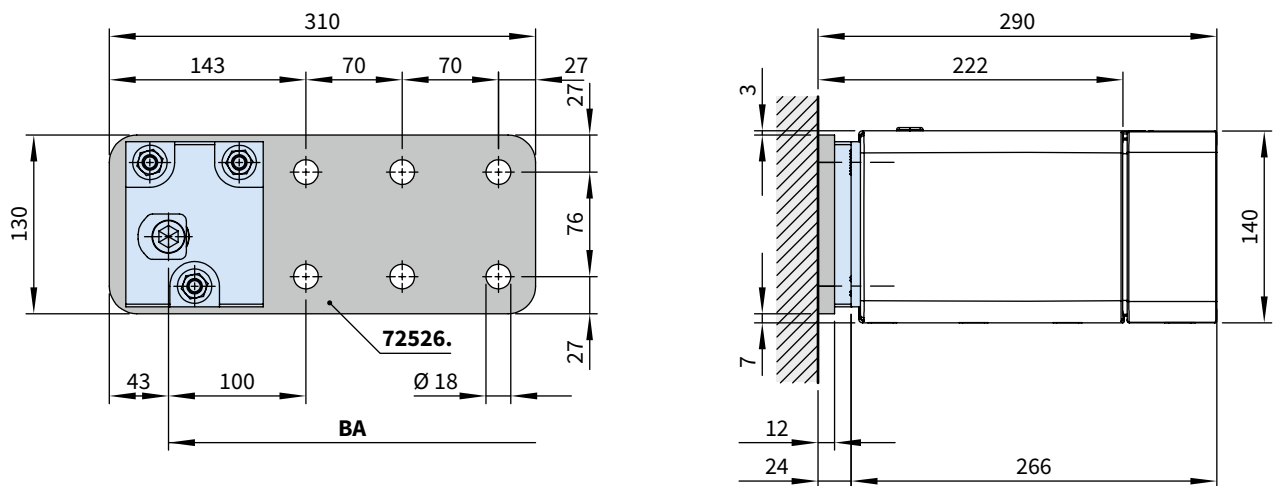
compression-proof substrate									non compression-proof substrate								
M [cm]									M [cm]								
250 300 350 400 450 500 550 600									250 300 350 400 450 500 550 600								
H [cm]	FB [N]								H [cm]	FB [N]							
150	481	561	640	720	799	879	958	1037	589	686	783	881	978	1075	1172	1270	
200	751	871	991	1110	1230	1349	1469	1589	920	1066	1212	1359	1505	1651	1798	1944	
250	—	1206	1373	1539	1706	1873	2040	2206	—	1476	1680	1884	2088	2292	2496	2700	
300	—	—	1815	2036	2257	2477	2996	3245	—	—	2221	2492	2762	3032	3666	3971	
350	—	—	—	2660	2942	3589	—	—	—	—	—	3255	3600	4392	—	—	

HT   BHT	2   100 mm
BP	2
BM	12

The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **76 mm**.  
 In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **72526.** = spreader plate C
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

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**09**  
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15

# Face fixture with shadeplus

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600
-----	-----	-----	-----	-----	-----	-----	-----

**non compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600
-----	-----	-----	-----	-----	-----	-----	-----

H [cm]	FB [N]							
150	1038	1200	1362	1523	1685	1847	2009	2171
200	1503	1739	1975	2211	2447	2684	2920	3156
250	—	2402	2722	3043	3364	3685	4006	4326
300	—	—	3507	3923	4338	4754	—	—

H [cm]	FB [N]							
150	1096	1266	1437	1608	1779	1950	2121	2292
200	1586	1835	2085	2334	2583	2833	3082	3332
250	—	2535	2874	3212	3551	3889	4228	4567
300	—	—	3702	4141	4579	5018	—	—

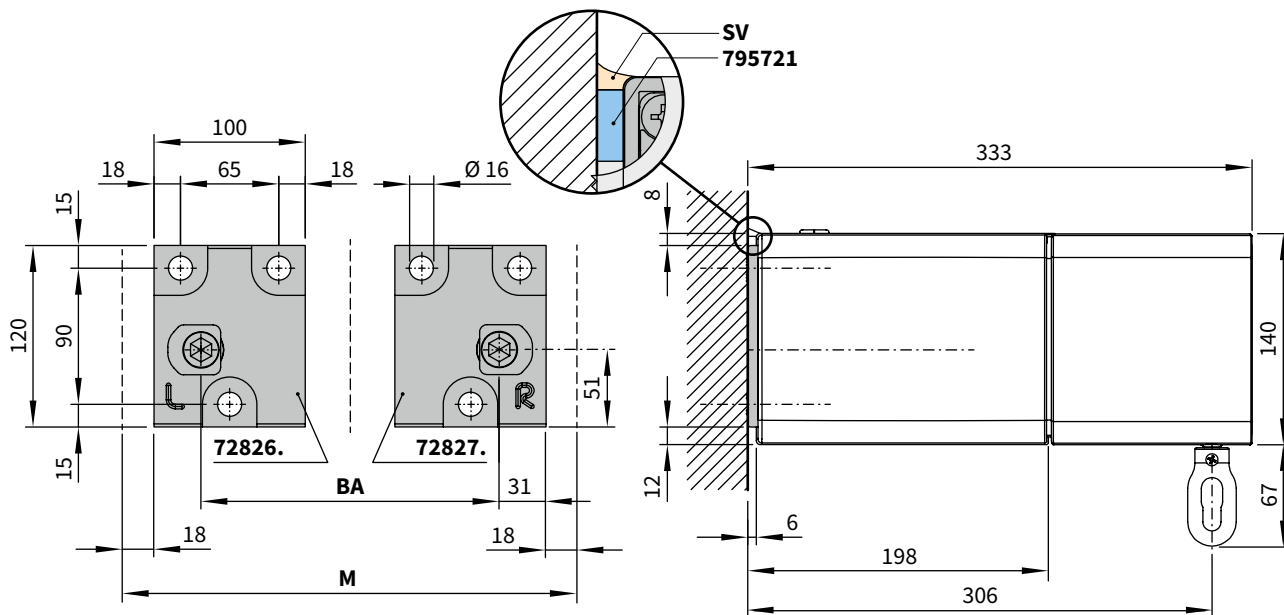
HT   BHT	2   100 mm
BM	6

HT   BHT	2   100 mm
BM	6

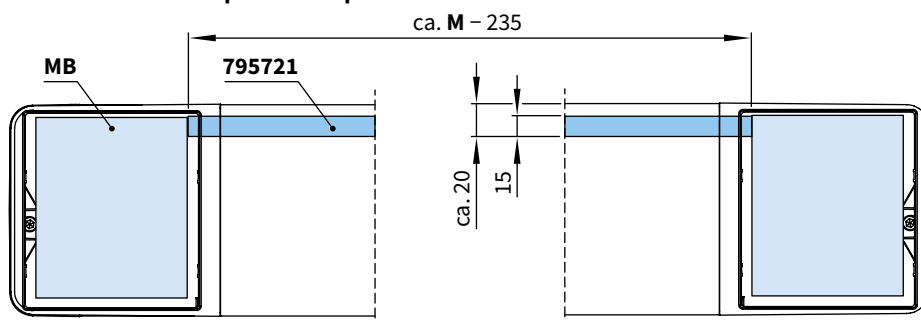
The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **90 mm**. If this measurement is reduced to the minimum, the pull-out force increases by up to **3 %** in the case of **compression-proof** substrates and by up to **7 %** in the case of **non-compression-proof** substrates.

- M** = overall awning width
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points

- 72826.** = face fixture bracket, left
- 72827.** = face fixture bracket, right
- 795721** = compression tape
- BA** = width between fixture points
- MB** = bracket fixture range
- SV** = silicon seal



## Face fixture and the use of compression tape



dimensions in mm

# Face fixture with shadeplus and spreader plate A

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

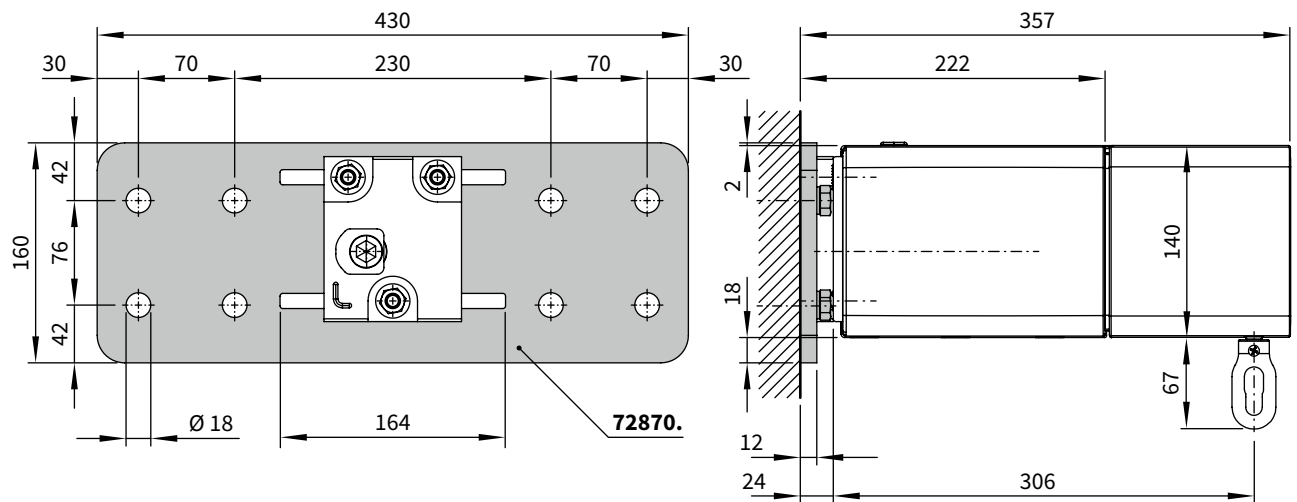
compression-proof substrate									non compression-proof substrate							
M [cm]									M [cm]							
250 300 350 400 450 500 550 600									250 300 350 400 450 500 550 600							
H [cm]	FB [N]								FB [N]							
150	466	539	611	684	757	829	902	974	662	766	869	972	1075	1178	1282	1385
200	672	777	883	988	1094	1199	1305	1411	955	1105	1255	1405	1555	1705	1854	2004
250	—	1071	1214	1357	1500	1643	1785	1928	—	1522	1725	1928	2131	2334	2537	2740
300	—	—	1561	1745	1930	2115	—	—	—	—	2218	2480	2743	3006	—	—

HT   BHT	2   100 mm
BP	2
BM	16

The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **76 mm**.  
 In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **72870.** = spreader plate A
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

# Face fixture with shadeplus and spreader plate B

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

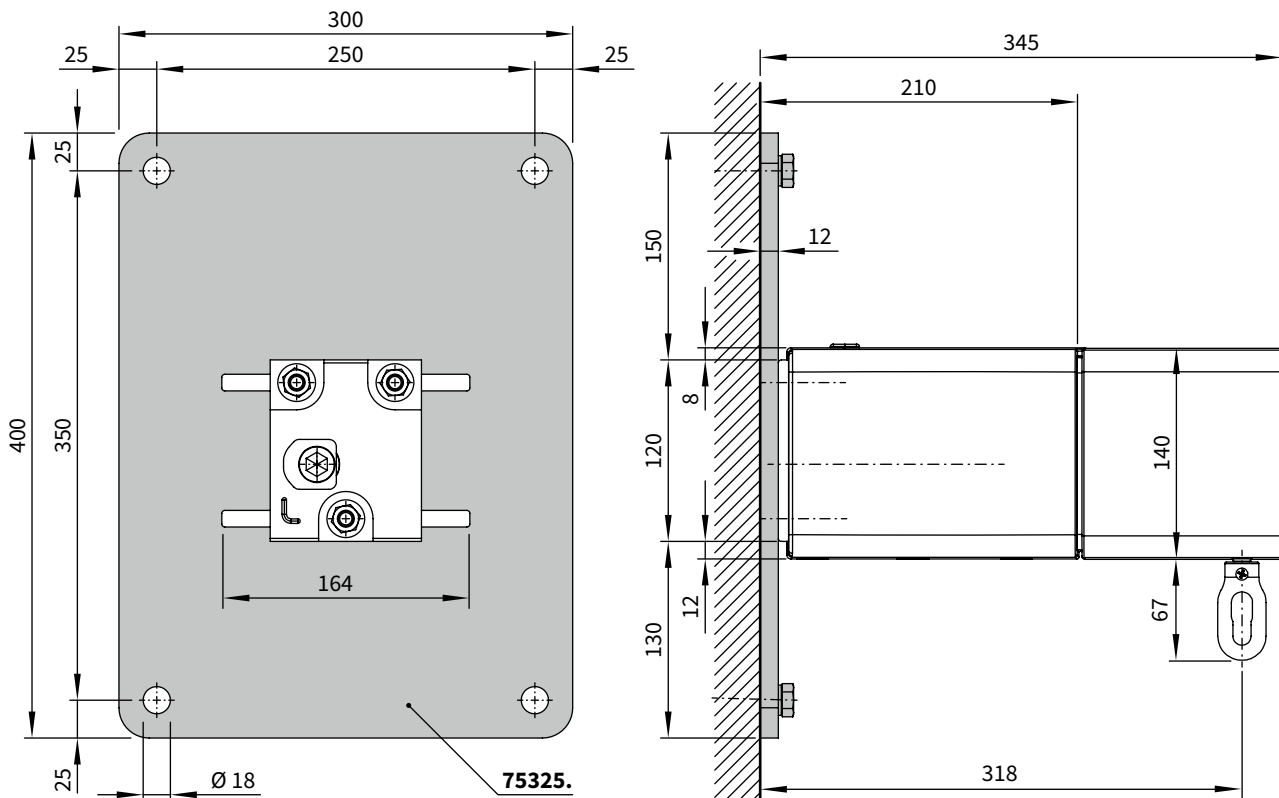
**compression-proof** substrate  
M [cm]

**non compression-proof** substrate  
M [cm]

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	FB [N]															
150	273	316	358	401	443	486	528	571	285	329	373	418	462	507	551	595
200	394	456	518	580	642	704	766	828	411	476	540	605	670	734	799	864
250	—	629	713	797	881	966	1050	1134	—	656	744	832	919	1007	1095	1182
300	—	—	918	1027	1136	1244	—	—	—	—	958	1071	1184	1298	—	—
HT   BHT	2   100 mm								2   100 mm							
BP	2								2							
BM	8								8							

**09** The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **350 mm**. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **75325.** = spreader plate B
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

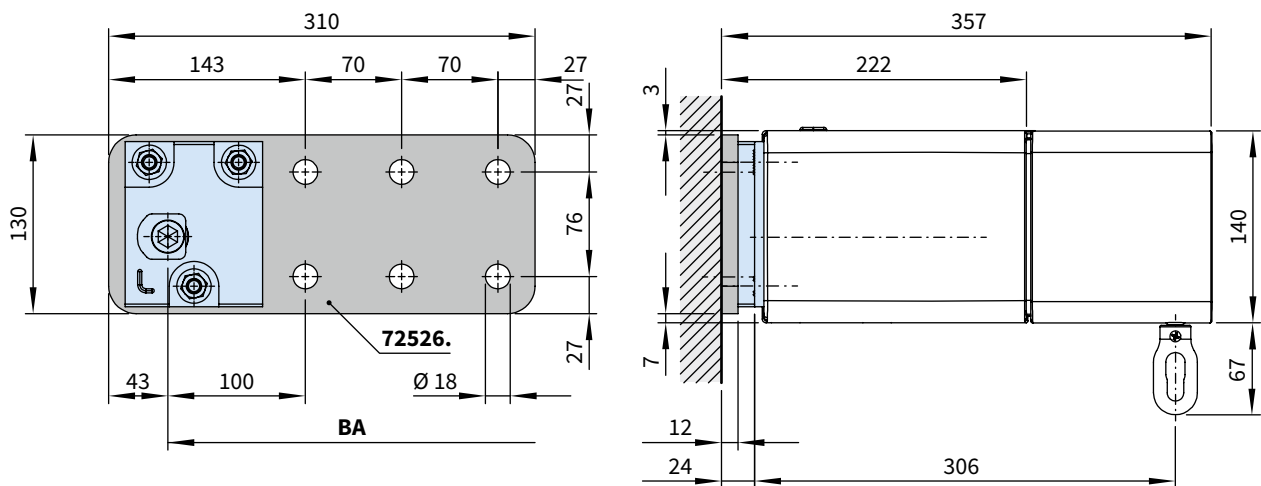
# Face fixture with shadeplus and spreader plate C

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate									non compression-proof substrate								
M [cm]									M [cm]								
250 300 350 400 450 500 550 600									250 300 350 400 450 500 550 600								
H [cm]	FB [N]								FB [N]								
150	722	834	947	1059	1172	1284	1396	1509	883	1021	1158	1296	1434	1571	1709	1846	
200	1040	1204	1367	1530	1694	1857	2021	2184	1273	1473	1673	1873	2073	2273	2473	2673	
250	—	1658	1879	2101	2322	2543	2765	2986	—	2029	2300	2570	2841	3112	3383	3654	
300	—	—	2416	2703	2989	3275	—	—	—	—	2957	3307	3657	4007	—	—	
HT   BHT	2   100 mm								2   100 mm								
BP	2								2								
BM	12								12								

The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **76 mm**.  
 In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = overall awning width **72526.** = spreader plate C
- H** = nominal projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- BM** = no. of fixing points



dimensions in mm

# Face fixture with stand-off brackets

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

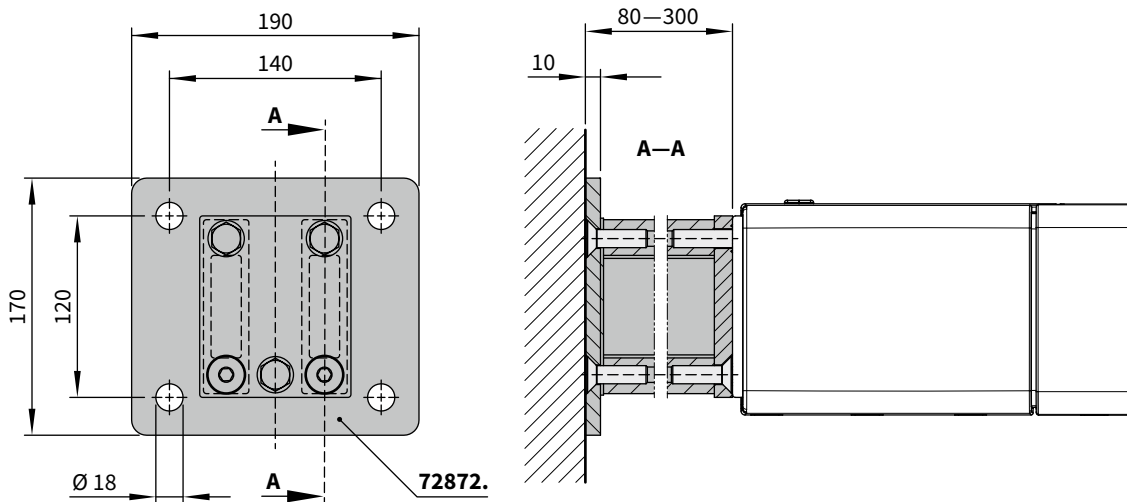
**compression-proof** substrate  
M [cm]

**non compression-proof** substrate  
M [cm]

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	FB [N]								FB [N]							
150	633	736	839	942	1044	1147	1250	1353	712	827	943	1059	1175	1291	1407	1523
200	944	1093	1242	1390	1539	1687	1836	1985	1062	1230	1397	1564	1731	1898	2066	2233
250	—	1468	1669	1871	2072	2273	2475	2676	—	1651	1878	2104	2331	2557	2784	3011
300	—	—	2160	2421	2683	2944	3569	3866	—	—	2430	2724	3018	3312	4016	4349
350	—	—	—	3115	3443	4209	—	—	—	—	—	3504	3873	4735	—	—
HT   BHT	2   100 mm								2   100 mm							
DH 72872.	2								2							
BM	8								8							

**09** The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is **120 mm**. In the case of stand-off brackets washers conforming to DIN 9021 must be used.

- M** = overall awning width
  - H** = nominal projection
  - FB** = pull-out force per fixing point
  - HT | BHT** = bracket quantity | width
  - BM** = no. of fixing points
  - DH** = no. of stand-off brackets
- 72872.** = stand-off brackets for face fixture brackets 72826. and 72827.



dimensions in mm

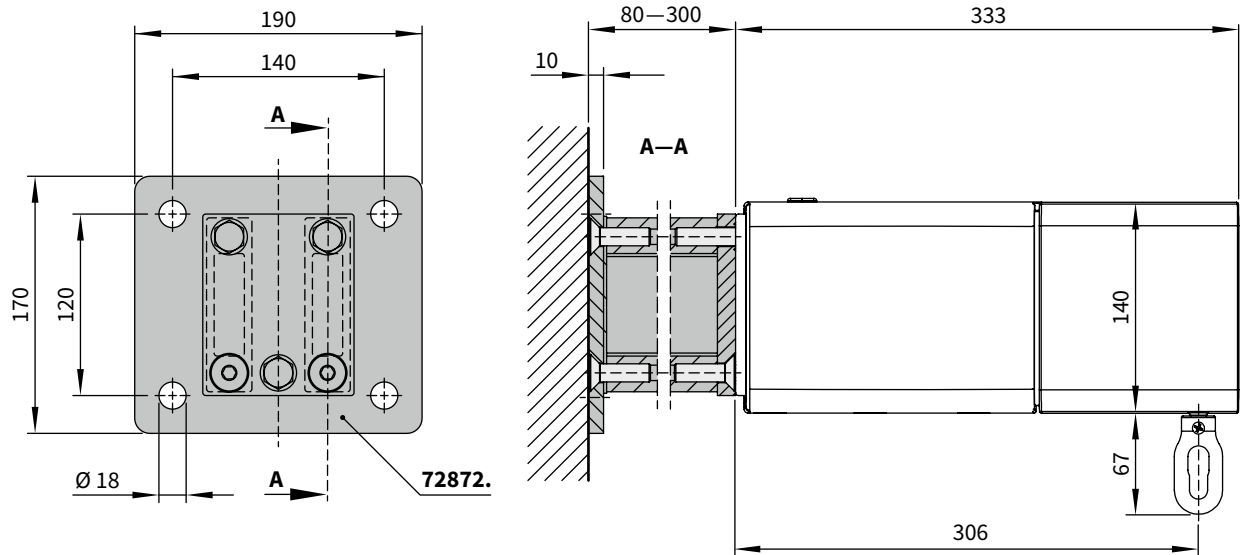
# Face fixture with shadeplus and stand-off brackets

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate									non compression-proof substrate								
M [cm]									M [cm]								
250 300 350 400 450 500 550 600									250 300 350 400 450 500 550 600								
H [cm]	FB [N]								FB [N]								
150	931	1075	1218	1362	1505	1649	1792	1936	1048	1209	1371	1532	1694	1855	2016	2178	
200	1285	1485	1685	1886	2086	2286	2487	2687	1445	1671	1896	2121	2347	2572	2797	3023	
250	—	1991	2256	2520	2784	3049	3313	3577	—	2240	2538	2835	3132	3430	3727	4024	
300	—	—	2843	3179	3514	3850	—	—	—	—	3199	3576	3954	4331	—	—	
HT   BHT	2   100 mm								2   100 mm								
DH 72872.	2								2								
BM	8								8								

The pull-out forces shown apply when the vertical centre to centre measurement between the fixture points is 120 mm. In the case of stand-off brackets washers conforming to DIN 9021 must be used.

- M = overall awning width
  - H = nominal projection
  - FB = pull-out force per fixing point
  - HT | BHT = bracket quantity | width
  - BM = no. of fixing points
  - DH = no. of stand-off brackets
- 72872.** = stand-off brackets for face fixture brackets 72826. and 72827.



dimensions in mm

# Top fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

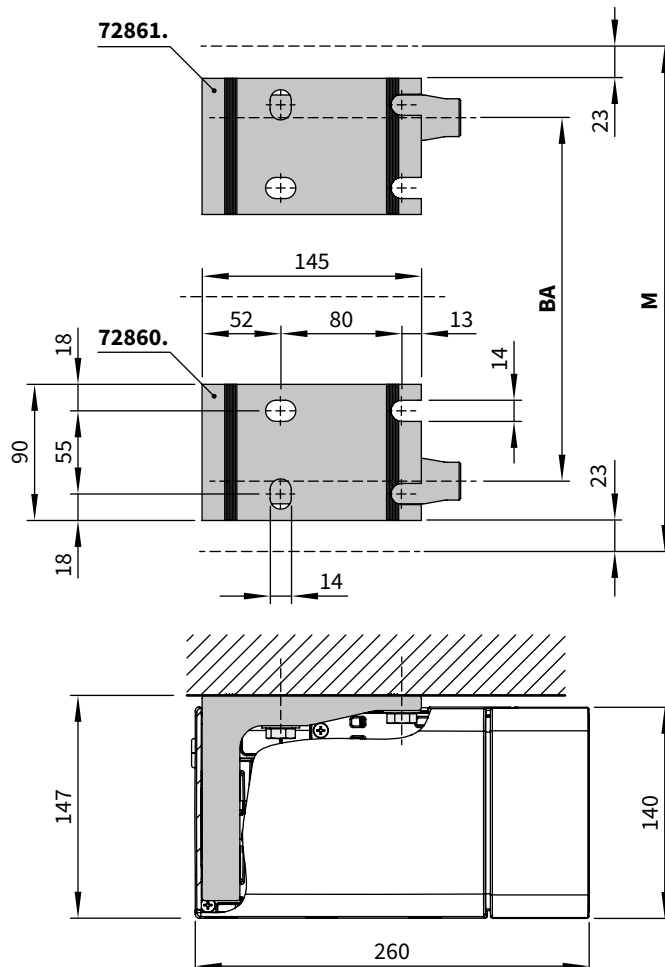
**compression-proof** substrate  
M [cm]

**non compression-proof** substrate  
M [cm]

H [cm]	compression-proof substrate								non compression-proof substrate							
	M [cm]								M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	FB [N]								FB [N]							
150	609	712	815	918	1021	1124	1227	1330	883	1031	1179	1327	1475	1623	1771	1920
200	920	1069	1219	1368	1517	1666	1815	1965	1349	1567	1784	2002	2219	2437	2654	2872
250	—	1456	1660	1863	2067	2271	2474	2678	—	2147	2446	2745	3044	3343	3642	3941
300	—	—	2171	2437	2703	2969	3576	3874	—	—	3213	3606	3998	4391	5295	5737
350	—	—	—	3158	3495	4250	—	—	—	—	—	4687	5186	6313	—	—
HT   BHT	2   90 mm								2   90 mm							
BM	8								8							

**09** The pull-out forces shown apply when the horizontal centre to centre measurement between the fixture points is **80 mm**.

- M** = overall awning width **72860.** = top fixture bracket, left
- H** = nominal projection **72861.** = top fixture bracket, right
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points
- BA** = width between fixture points



dimensions in mm

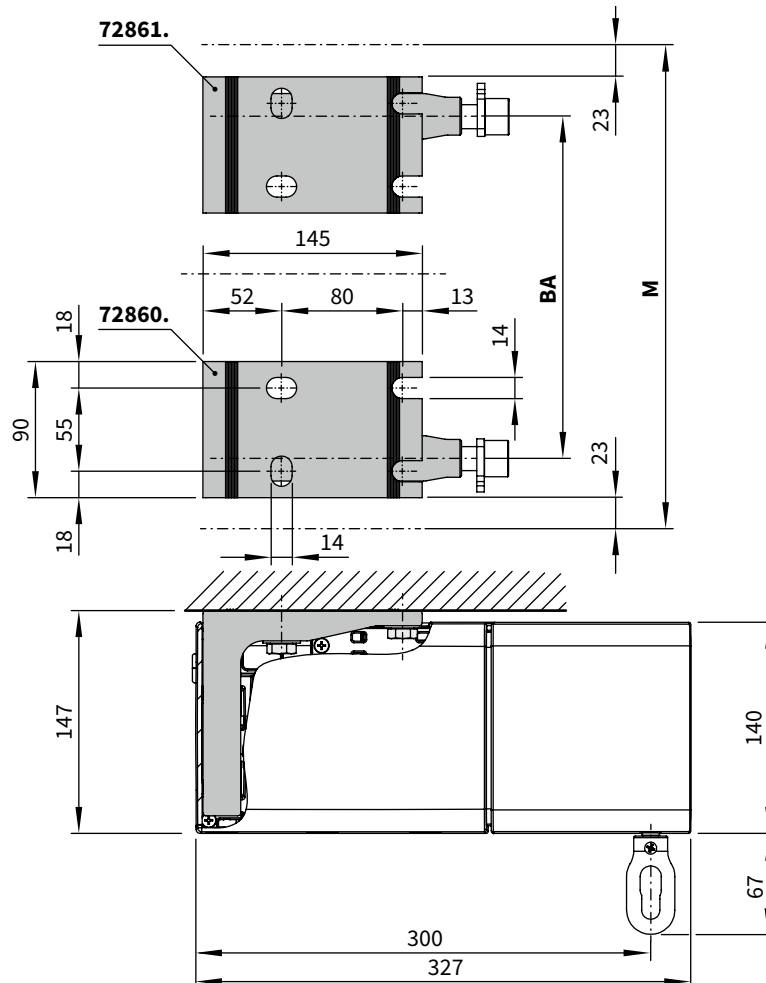
# Top fixture with shadeplus

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

		compression-proof substrate								non compression-proof substrate							
		M [cm]								M [cm]							
		250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
H [cm]	FB [N]																
150	884	1025	1165	1306	1447	1587	1728	1869	1295	1500	1704	1909	2114	2319	2523	2728	
200	1252	1452	1651	1851	2050	2250	2449	2649	1847	2140	2433	2726	3019	3312	3605	3898	
250	—	1976	2243	2509	2776	3042	3309	3575	—	2927	3320	3714	4107	4501	4894	5288	
300	—	—	2864	3206	3547	3888	—	—	—	—	4252	4758	5264	5770	—	—	
HT   BHT	2   90 mm								2   90 mm								
BM	8								8								

The pull-out forces shown apply when the horizontal centre to centre measurement between the fixture points is **80 mm**.

- M = overall awning width
- H = nominal projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- BA = width between fixture points
- 72860. = top fixture bracket, left
- 72861. = top fixture bracket, right



dimensions in mm

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# Eaves fixture

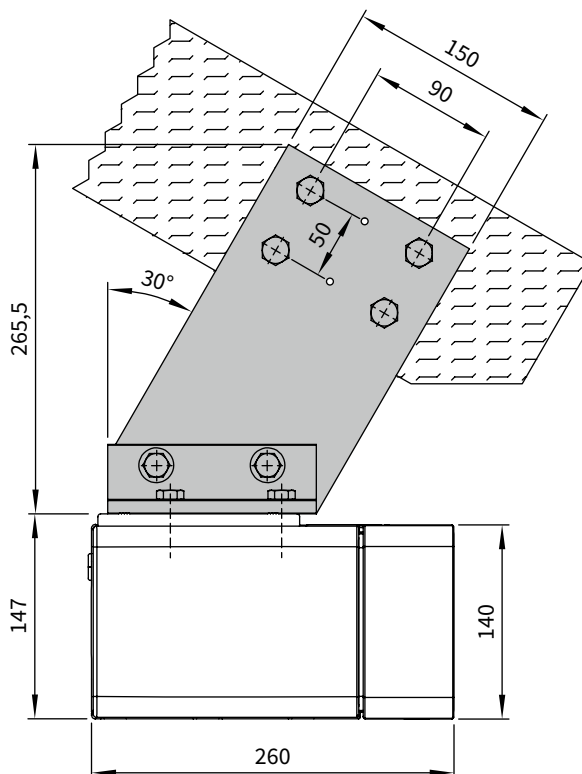
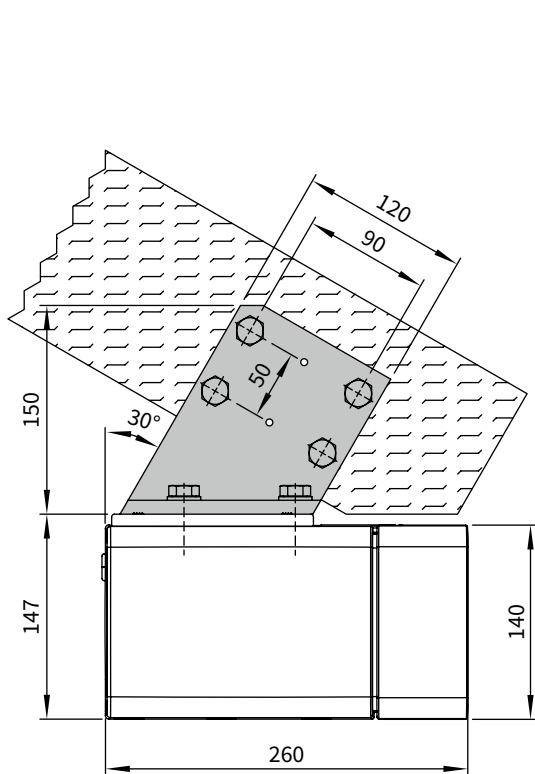
Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]								Shear force M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	Md [Nm]								FS [N]							
150	131	153	175	196	218	240	261	283	1583	1850	2116	2382	2648	2914	3180	3446
200	206	239	271	304	337	370	403	436	2412	2802	3191	3581	3970	4360	4749	5139
250	—	332	377	423	469	515	561	607	—	3834	4368	4902	5437	5971	6506	7040
300	—	—	500	561	622	683	825	894	—	—	5732	6432	7133	7834	9443	10232
350	—	—	—	734	812	990	—	—	—	—	—	8355	9244	11250	—	—
HT	2								2							
BM	8								8							

**09** The shear force is calculated on the basis of 2 fixture points per bracket, because – depending on the roof pitch – it cannot be guaranteed that 4 fixture points per bracket can be used.

- M** = overall awning width
  - H** = nominal projection
  - Md** = torque value for the bracket in the immediate vicinity of the arm
  - HT** = no. of brackets per track
  - FS** = shear force
  - BM** = no. of fixing points
- with eaves fixture bracket 150 mm**

- 72874.** = eaves fixture bracket, *complete*, 150 mm, left
  - 72875.** = eaves fixture bracket, *complete*, 150 mm, right
  - 71612.** = eaves fixture bracket, height of the top plate 150 mm
  - 71659.** = eaves fixture bracket, height of the top plate 270 mm
- with eaves fixture bracket 270 mm**



dimensions in mm

### Eaves fixture with shadeplus

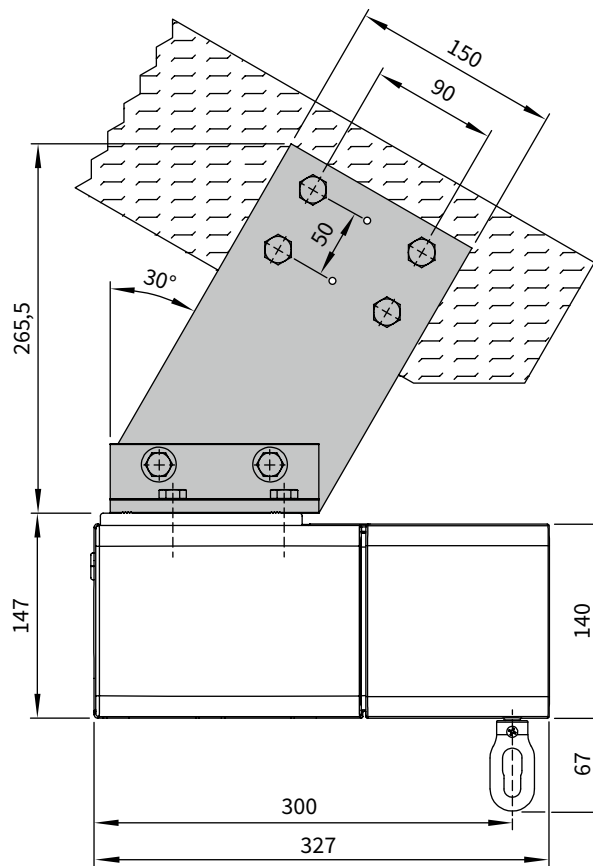
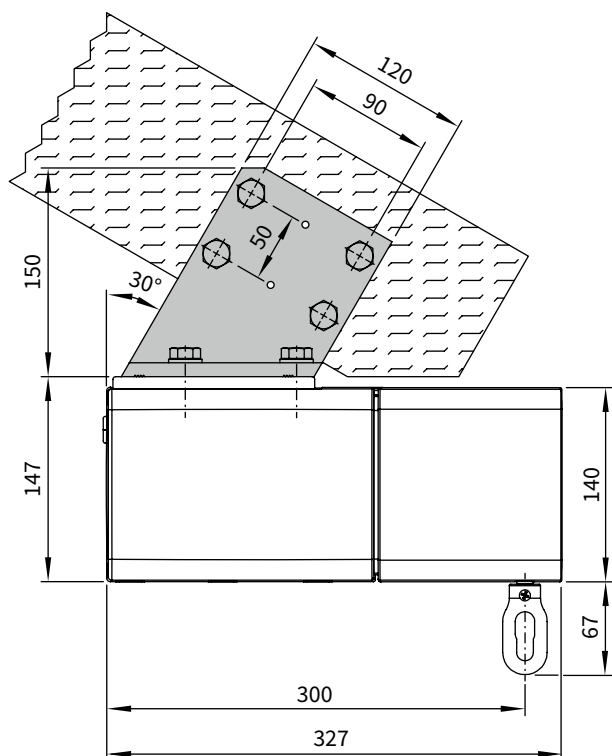
Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]								Shear force M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	<b>Md [Nm]</b>								<b>FS [N]</b>							
150	197	228	259	289	320	351	382	412	2316	2683	3049	3416	3783	4150	4516	4883
200	285	330	375	420	465	510	555	600	3297	3821	4344	4868	5392	5916	6439	6963
250	—	456	517	578	639	700	761	822	—	5220	5922	6625	7327	8029	8731	9433
300	—	—	666	745	824	903	—	—	—	—	7579	8481	9384	10286	—	—
350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HT	2								2							
BM	8								8							

The shear force is calculated on the basis of 2 fixture points per bracket, because – depending on the roof pitch – it cannot be guaranteed that 4 fixture points per bracket can be used.

- M = overall awning width
  - H = nominal projection
  - Md = torque value for the bracket in the immediate vicinity of the arm
  - HT = no. of brackets per track
  - FS = shear force
  - BM = no. of fixing points
- with eaves fixture bracket 150 mm**

- 72874.** = eaves fixture bracket, complete, 150 mm, left
  - 72875.** = eaves fixture bracket, complete, 150 mm, right
  - 71612.** = eaves fixture bracket, height of the top plate 150 mm
  - 71659.** = eaves fixture bracket, height of the top plate 270 mm
- with eaves fixture bracket 270 mm**



dimensions in mm

# Eaves fixture with additional spreader / backing plate

Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]								Shear force M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	FB [N]								FB [N]							
150	131	153	175	196	218	240	261	283	781	915	1048	1182	1315	1449	1582	1716
200	206	239	271	304	337	370	403	436	1154	1343	1532	1721	1910	2099	2288	2478
250	—	332	377	423	469	515	561	607	—	1808	2062	2316	2570	2825	3079	3333
300	—	—	500	561	622	683	—	—	—	—	2675	3005	3334	3663	—	—
350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HT	2								2							
BM	4								4							

**09** By using the additional flat fixture plate, the shear force is reduced in comparison with conventional eaves fixture.

**M** = overall awning width

**H** = nominal projection

**Md** = torque value for the bracket in the immediate vicinity of the arm

**HT** = no. of brackets per track

**FS** = shear force

**BM** = no. of fixing points

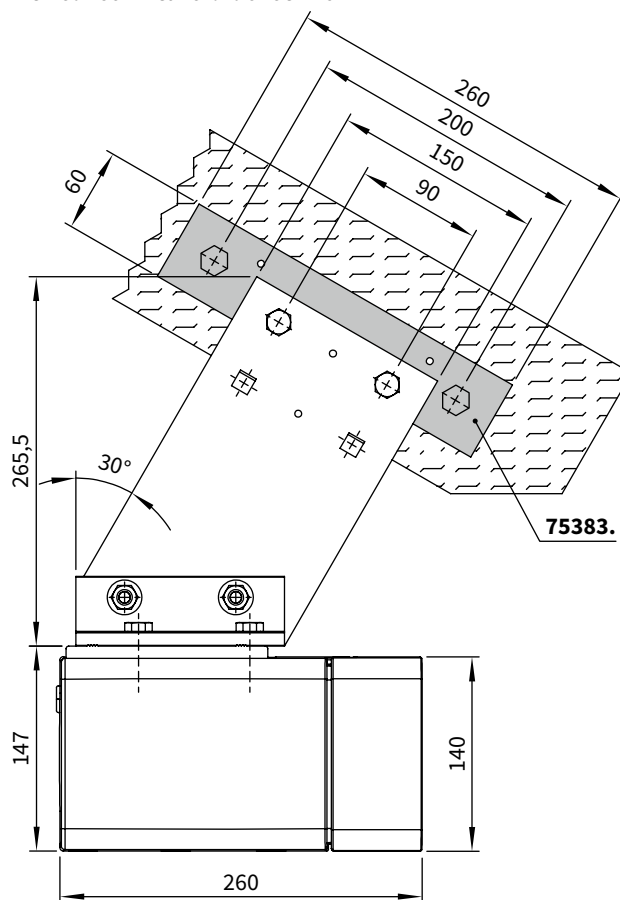
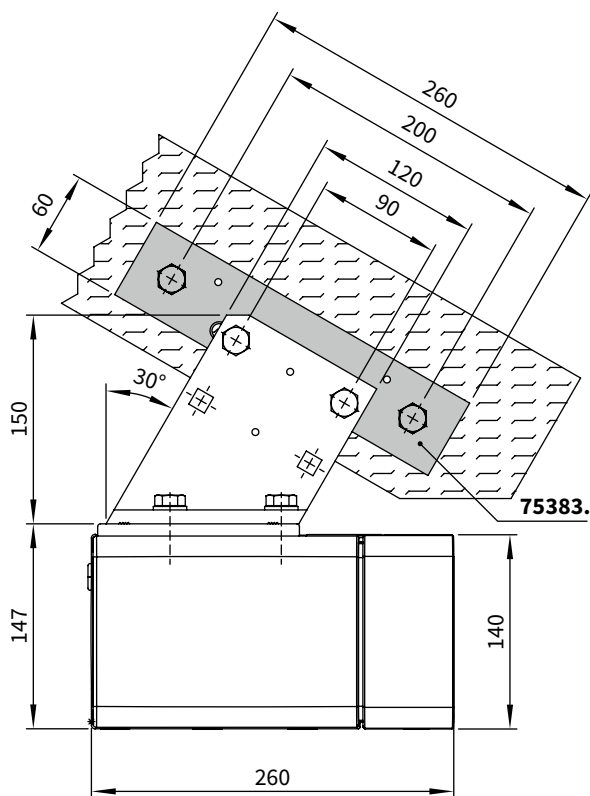
**75383.** = additional spreader / backing plate

for eaves fixture

60 mm × 260 mm × 12 mm

with eaves fixture bracket 150 mm

with eaves fixture bracket 270 mm



dimensions in mm

### Eaves fixture for shadeplus with additional spreader / backing plate

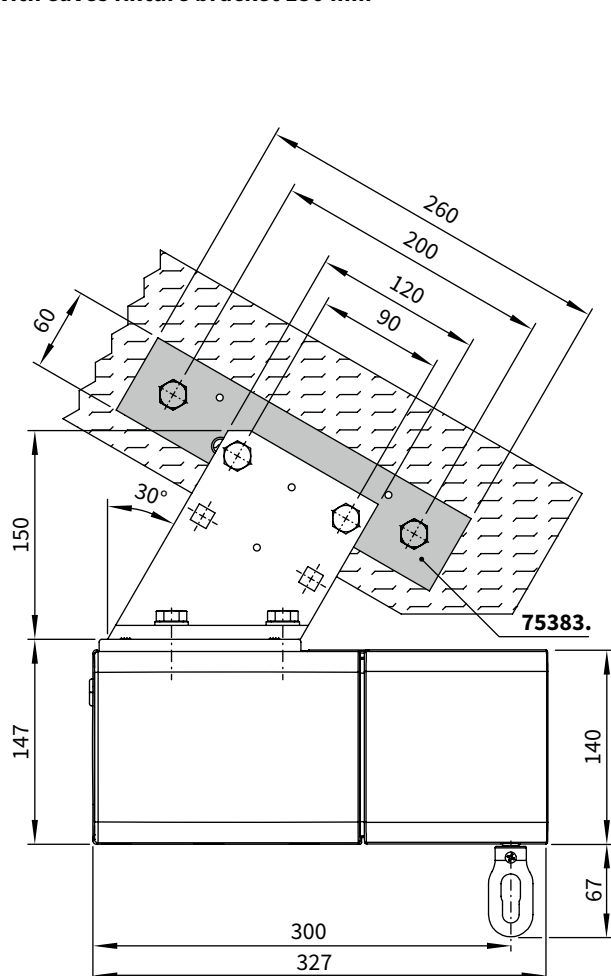
Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]								Shear force M [cm]							
	250	300	350	400	450	500	550	600	250	300	350	400	450	500	550	600
	FB [N]								FB [N]							
150	131	153	175	196	218	240	261	283	781	915	1048	1182	1315	1449	1582	1716
200	206	239	271	304	337	370	403	436	1154	1343	1532	1721	1910	2099	2288	2478
250	—	332	377	423	469	515	561	607	—	1808	2062	2316	2570	2825	3079	3333
300	—	—	500	561	622	683	—	—	—	—	2675	3005	3334	3663	—	—
350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
HT	2								2							
BM	4								4							

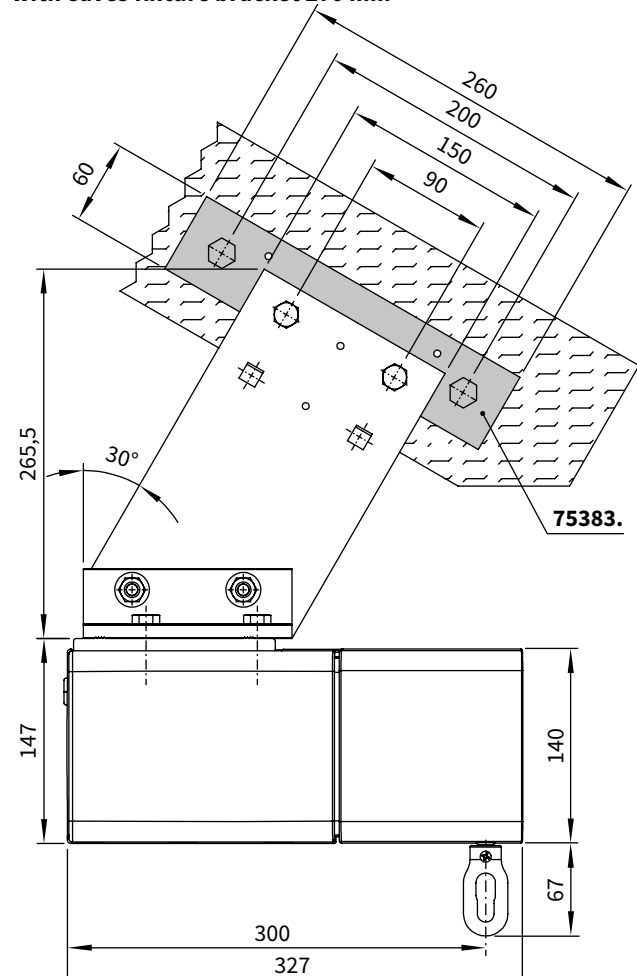
By using the additional flat fixture plate, the shear force is reduced in comparison with conventional eaves fixture.

- M = overall awning width
  - H = nominal projection
  - Md = torque value for the bracket in the immediate vicinity of the arm 60 mm × 260 mm × 12 mm
  - HT = no. of brackets per track
  - FS = shear force
  - BM = no. of fixing points
- 75383.** = additional spreader / backing plate for eaves fixture

with eaves fixture bracket 150 mm

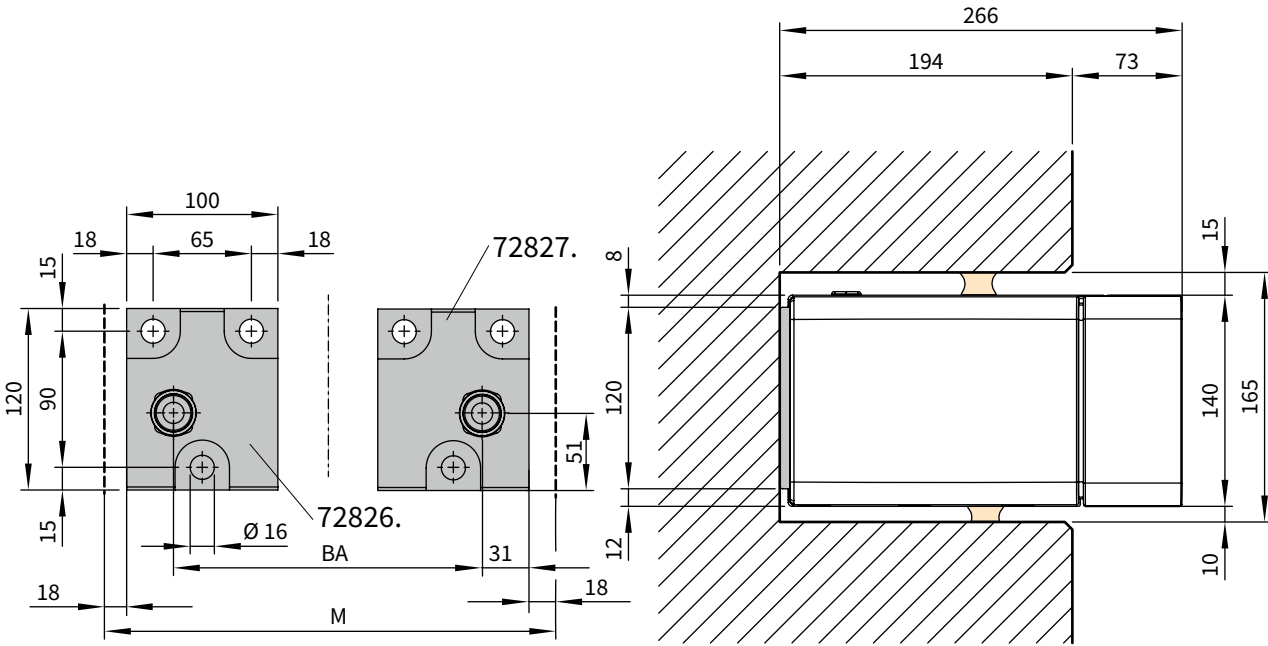


with eaves fixture bracket 270 mm



dimensions in mm

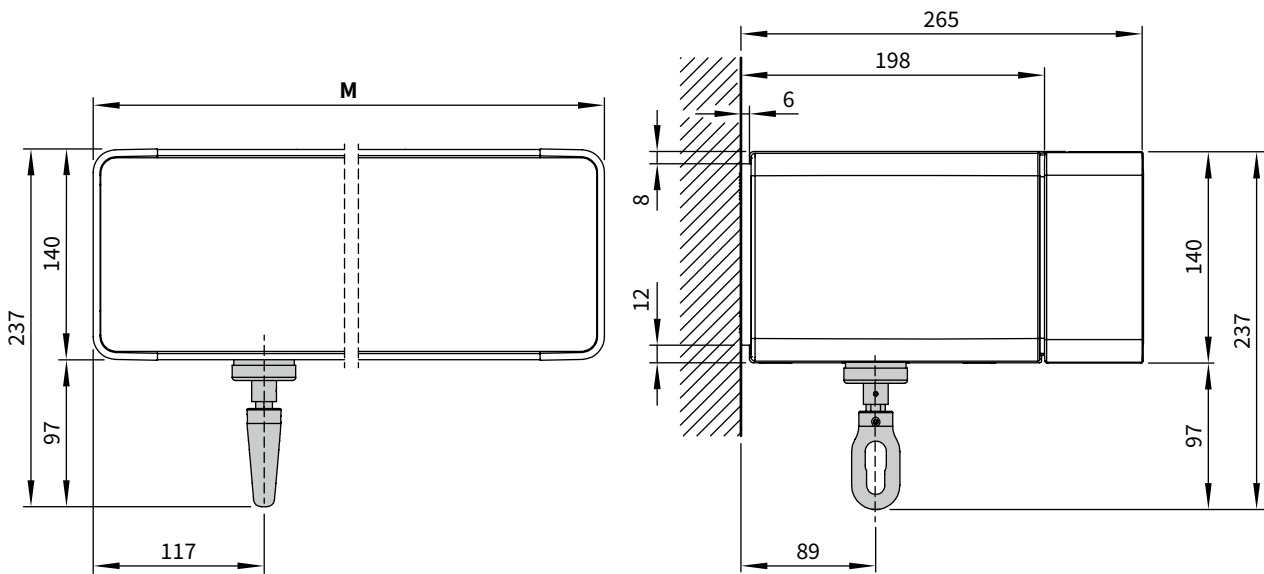
Recess fixture



72826. = face fixture bracket, left  
 72827. = face fixture bracket, right

dimensions in mm

Manual operation when using face fixture

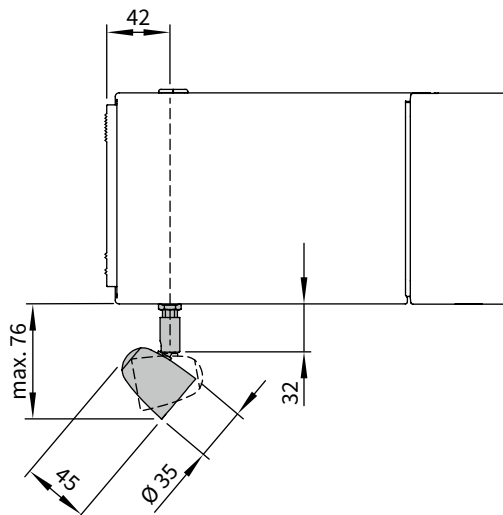


dimensions in mm

**M** = overall awning width = **order width of the folding-arm awning**  
**BA** = width between fixture points

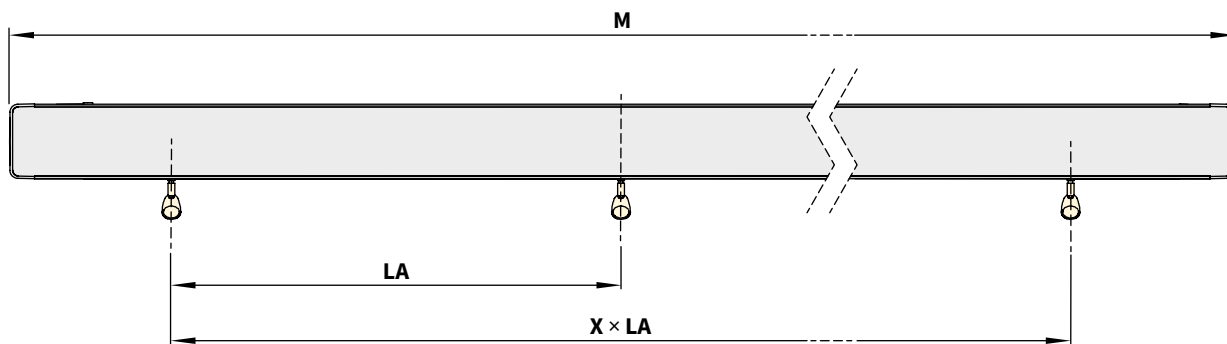
# Lighting options

## LED spotlights



dimensions in mm

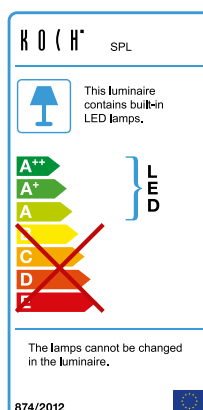
### Dimensions / No. of LED spotlights



M (mm)	Number of spotlights	LA (mm)
1950–2500	3	750
2501–3000	3	980
3001–3500	3	980
3501–4000	4	980
4001–4500	4	980
4501–5000	5	980
5001–5500	5	980
5501–6000	6	980

### Technical data markilux LED spotlights

operating voltage	230 V, 50 Hz
power output per spotlight	5 W
light source	LED (12 V)
number of transformers	1 piece
light temperature	2700 K, warm white
IP protection class	IP 44
energy efficiency class	A bis A++
service life	approx. 20,000 h

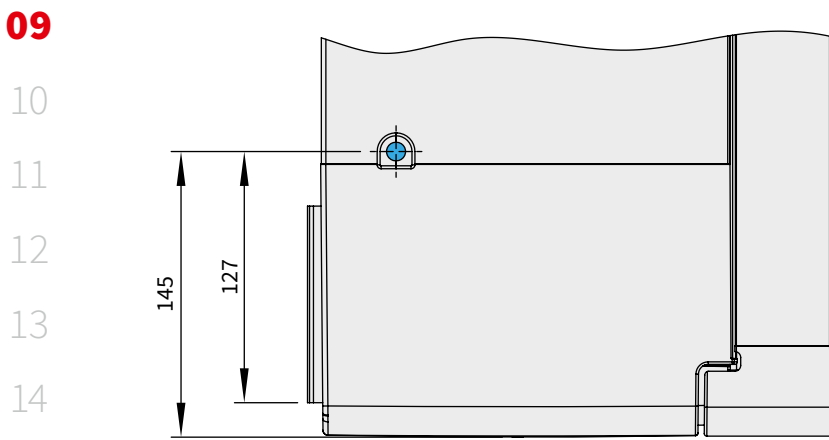
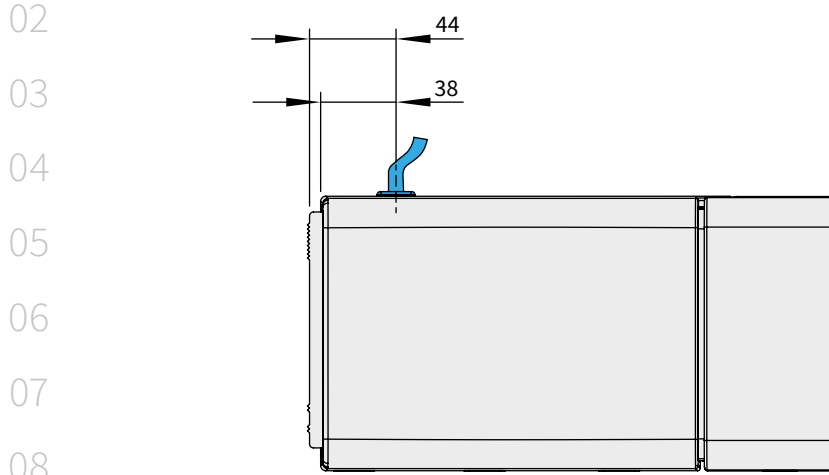


$M$  = overall awning width

$LA$  = spotlight separation

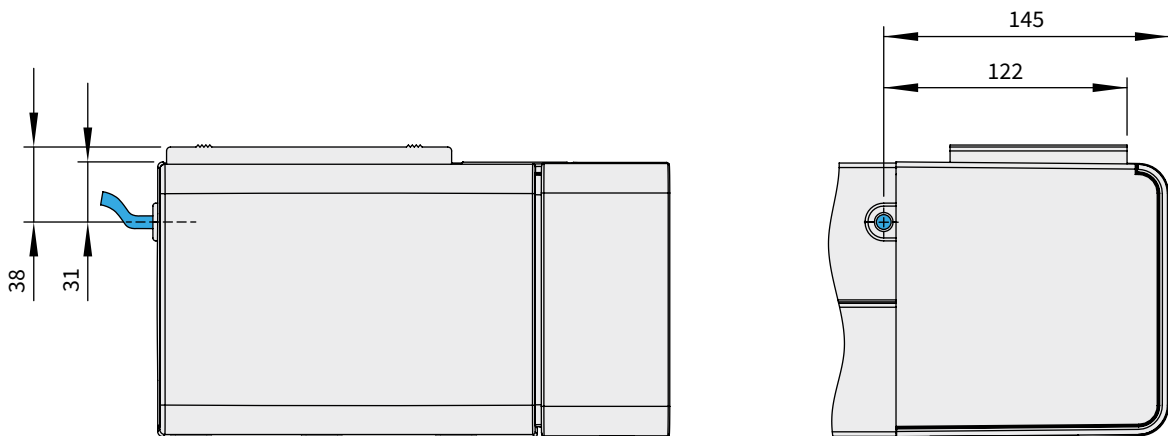
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01 Cable exit point in the case of face fixture



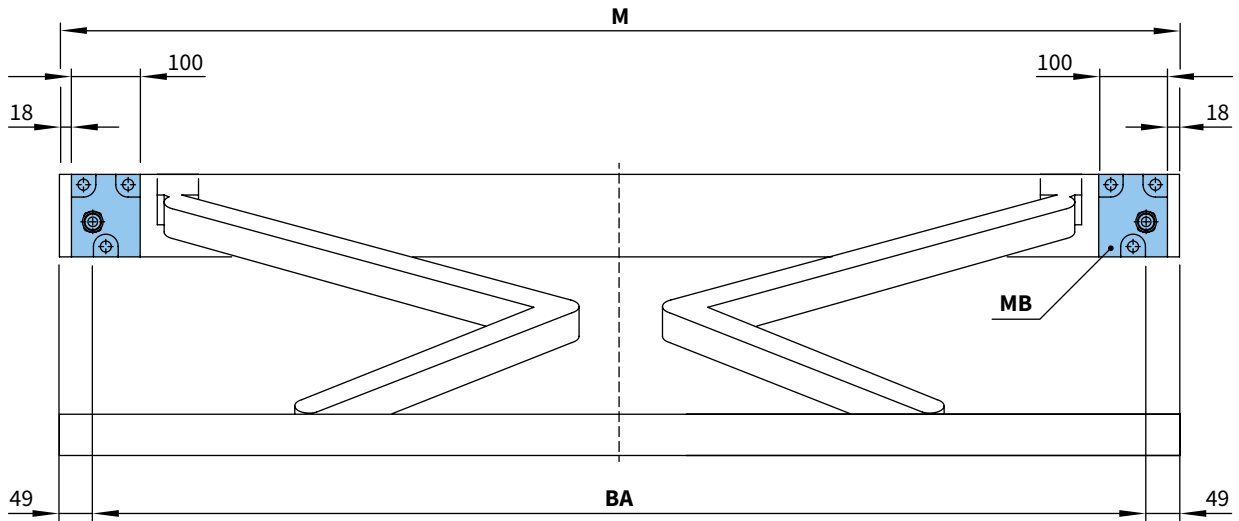
dimensions in mm

Cable exit point in the case of top fixture



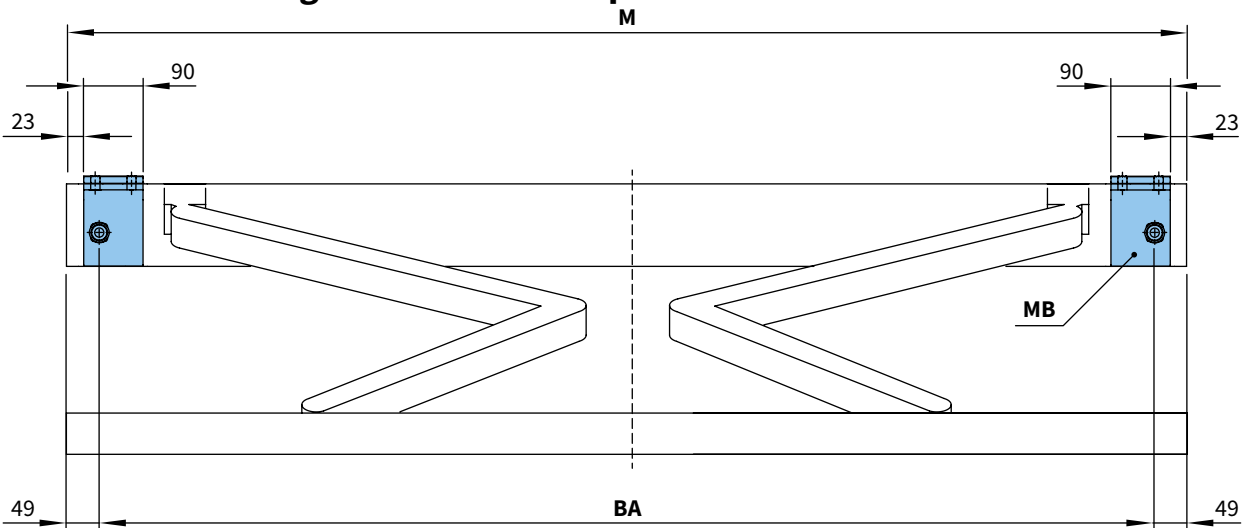
dimensions in mm

**Bracket fixture range in the case of face fixture**



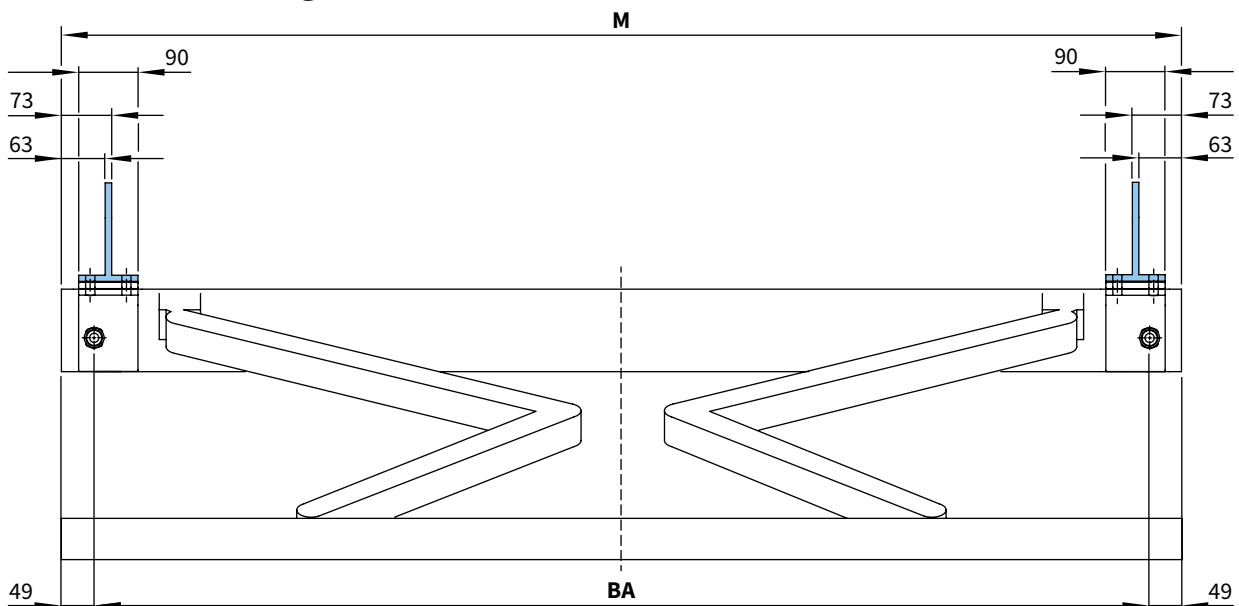
**Bracket fixture range in the case of top fixture**

dimensions in mm



**Bracket fixture range in the case of eaves fixture**

dimensions in mm



**M** = awning width = **order width of the folding-arm awning**

dimensions in mm

**MB** = bracket fixture range

**BA** = width between fixture points

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## **markilux 3300 pur**

**Simple and straightforward design up to 400 cm extension –  
with smooth front profile and wall seal**

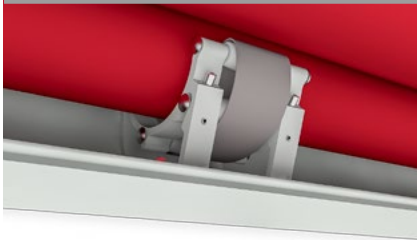
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folding arms with bionic tendon (standard)



the windlock mechanism prevents the awning from lifting up at the front in windy conditions



larger units are fitted with a rolltex bearing to prevent deflection of the roller tube



side view face fixture



gutter with lateral water spout



tilt device with wind safety mechanism



side view top fixture



detail: rubber sealing strip with aluminium profile

## Design Features

the sturdy compact cassette with the perfect seal to the wall

elegant and robust front profile made of aluminium

self-supporting cassette made of extruded components

full cassette awning: when closed all components are fully protected from the weather

## Technical Specification

the front profile with integrated double gutter ensures that water flows off to the side of the awning whether it is open or closed

the 85 mm roller tube ensures the highest stiffness and the best possible cover winding characteristics even at the largest widths

the extremely sturdy awning construction makes it possible to shade even very large areas safely

unique arm technology with power transference using bionic tendon made of high-tech fibres with extremely high tensile strength. Tested by The Fraunhofer Institute

## Accessories

radio-controlled motor with radio remote control for ease of use

hard-wired motor operation (optionally with automatic weather controls) for straightforward and easy operation

in the case of manual operation ease of use is ensured with the spring-assisted gearbox

awning available in non-standard RAL colours

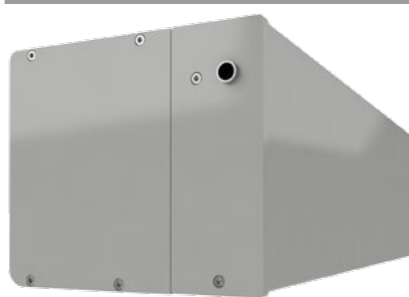
available with a valance

wall seal using aluminium / rubber sealing strip

### Frame colours



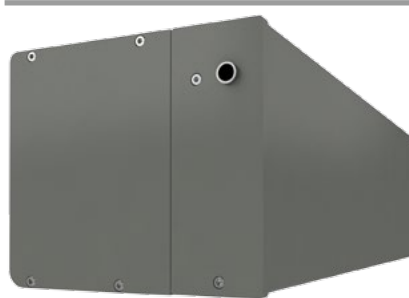
traffic white  
RAL 9016



metallic aluminium  
RAL 9006



off-white textured finish  
5233



stone grey metallic 5215



anthracite metallic  
5204



Havana brown  
textured finish  
5229

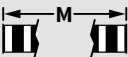
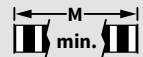








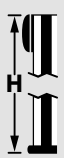


grey brown, similar  
to RAL 8019

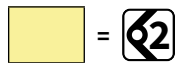
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Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

# Dimensions and configuration options

																	
		250	300	350	400	450	500	550	600	650	700 <sup>2)</sup>						
		190 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700						
	150	3)															
	200	3)	3)														
	250	—	3)	3)													
	300	—	—	3)	3)												
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	400 <sup>2)</sup>	—	—	—	—	2) 3)	2) 3)	2)	2)	—	2)						

dimensions in cm



- 1) no intermediate sizes possible below the standard width of 650 cm
- 2) awnings with 3 arms are only available with motor (surcharge)
- 3) please note the minimum widths!

## 10

### Operation / Drive

	Standard	Optional
manual operation	<input checked="" type="checkbox"/>	—
servo-assisted operation	—	<input checked="" type="checkbox"/>
hard-wired motor	—	<input checked="" type="checkbox"/>
io radio controls	—	<input checked="" type="checkbox"/>
silentec	—	<input checked="" type="checkbox"/> <sup>4)</sup>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>

4) only single units with 2 folding arms

### Coupled units

	Standard	Optional
2 fields	—	<input checked="" type="checkbox"/> <sup>5)</sup>
3 fields	—	<input checked="" type="checkbox"/>
junction roller	—	<input checked="" type="checkbox"/> <sup>6)</sup>
one-piece cover	—	<input checked="" type="checkbox"/> <sup>7)</sup>

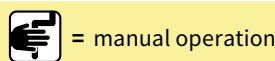
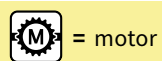
- 5) minimum widths see „Technical Information“
- 6) see overview „Bracket fixture range“
- 7) up to a maximum awning pitch of 15° and up to a maximum projection of 350 cm; on request

### Miscellaneous

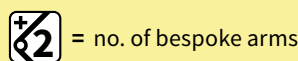
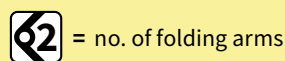
	Standard	Optional
bionic tendon	<input checked="" type="checkbox"/>	—
wall seal by way of aluminium + rubber sealing strip	—	<input checked="" type="checkbox"/>
insertable side blind	—	<input checked="" type="checkbox"/>
light and wind sensor	—	<input checked="" type="checkbox"/>
valance	—	<input checked="" type="checkbox"/>
infrared heater	—	<input checked="" type="checkbox"/>
vibrabox / radio control light sensor Sunis WireFree	—	<input checked="" type="checkbox"/>

### Covers

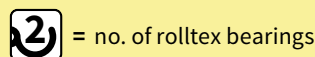
	Fabric range no.	Standard	Optional
sunsilk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/>	—
sunsilk perla FR	374 ..	—	<input checked="" type="checkbox"/>
sunvas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/>	—
sunvas perla	370 ..	—	<input checked="" type="checkbox"/>



**M** = awning width



**M min.** = minimum widths











**H** = projection

**Dimensions and tolerances**

	Width	Projection
housing tolerances	+ 5 / - 5 mm	±40 mm
awning cover width = awning width	- 170 mm	
awning cover length = awning projection		+ 150 mm

**Frame colours**

		Standard	Optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown, similar to	RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish

**Additional Information**

The width of the awning cover is always **less** than that of the awning. Please refer cover sizes in the case of coupled units.

**Pitch adjustment range:**

from 5° to 45° (to the horizontal).

**Definition of projection:**

Please consult the section “Technical Information”.

In the case of manual operation approximately **16 winding handle** revolutions can be assumed per metre of **awning projection**.

It takes approximately 12 seconds per metre to extend a **motor-driven awning**.

**Coupled folding-arm awnings** are available up to a max. of 3 single units side by side, however only with a maximum of 6 folding-arms and only operated by motor.

A coupled unit is available with **junction roller**. Pattern repeat mismatches are possible in the case of junction roller covers.

A junction roller may not fit when the projection is the maximum for the width of each awning. (see also the section on “Installation”, the arm separation table).

Coupled folding-arm awnings with a one-piece cover on request.

If coupled blinds are fitted into a **recess or reveal** the overall width of the coupled awning must be at least 6 cm less than the width of the opening to allow the awning to be coupled.

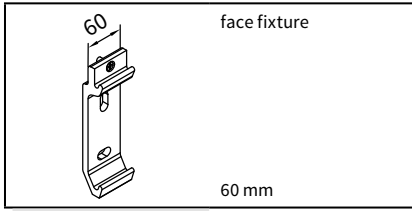
If two single units are fitted side by side, a minimum gap of 5 cm between the units is required.

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Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

01 **Fixtures, fittings and accessories**

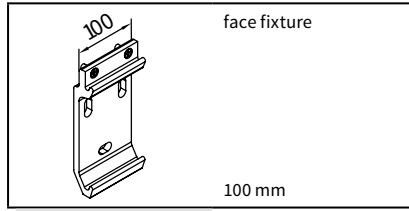
02 **Face fixture**



face fixture

60 mm

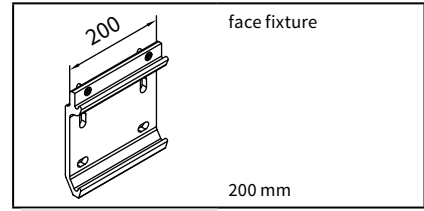
**71995.**



face fixture

100 mm

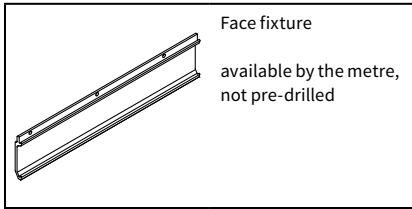
**71994.**



face fixture

200 mm

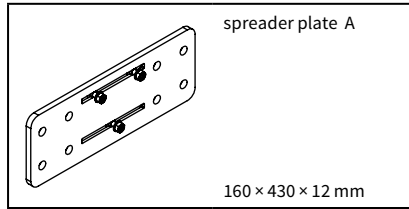
**71996.**



Face fixture

available by the metre,  
not pre-drilled

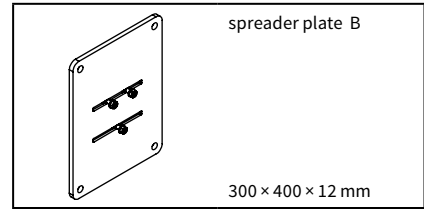
**71997.**



spreader plate A

160 × 430 × 12 mm

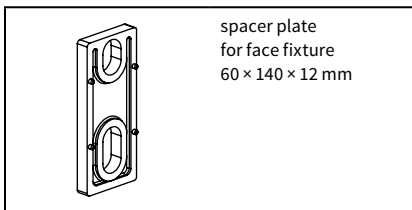
**75324.**



spreader plate B

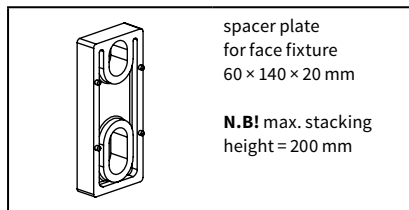
300 × 400 × 12 mm

**75323.**



spacer plate  
for face fixture  
60 × 140 × 12 mm

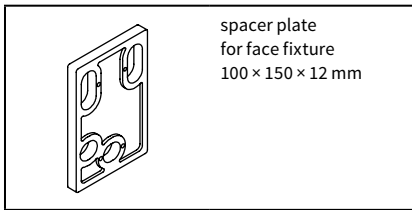
**71642.**



spacer plate  
for face fixture  
60 × 140 × 20 mm

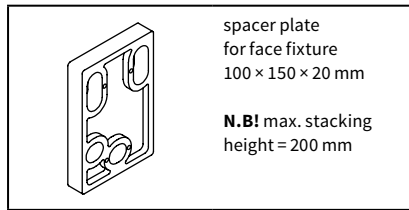
**N.B!** max. stacking  
height = 200 mm

**716321**



spacer plate  
for face fixture  
100 × 150 × 12 mm

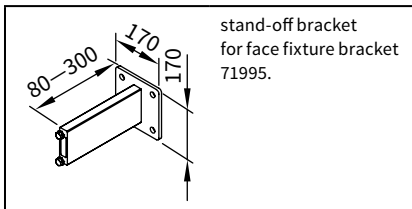
**718241**



spacer plate  
for face fixture  
100 × 150 × 20 mm

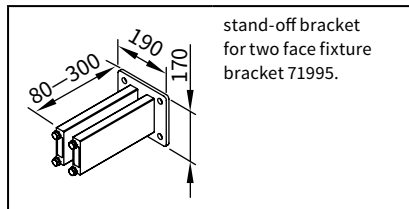
**N.B!** max. stacking  
height = 200 mm

**718231**



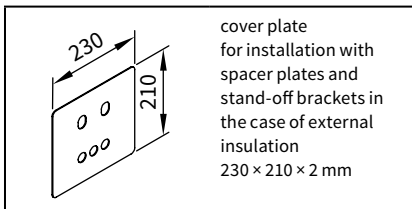
stand-off bracket  
for face fixture bracket  
71995.

**77967.**



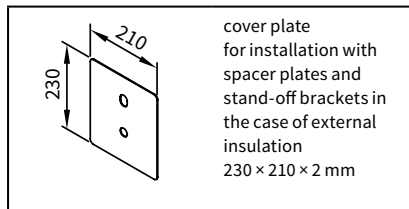
stand-off bracket  
for two face fixture  
bracket 71995.

**77968.**



cover plate  
for installation with  
spacer plates and  
stand-off brackets in  
the case of external  
insulation  
230 × 210 × 2 mm

**71843.**



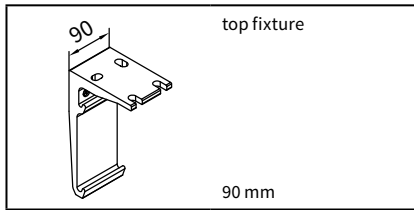
cover plate  
for installation with  
spacer plates and  
stand-off brackets in  
the case of external  
insulation  
230 × 210 × 2 mm

**71844.**

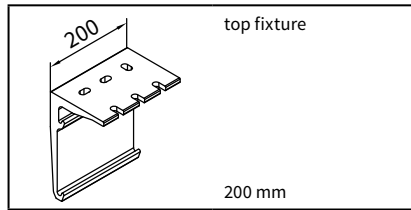
. = insert RAL colour code no

# Fixtures, fittings and accessories

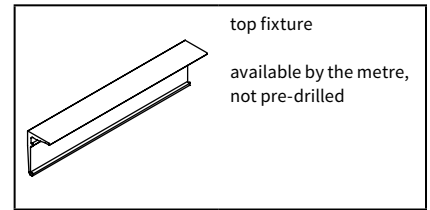
## Top fixture



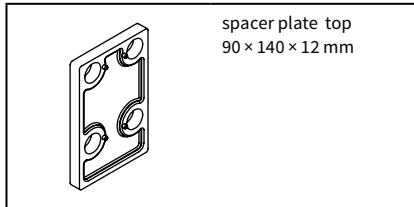
71651.



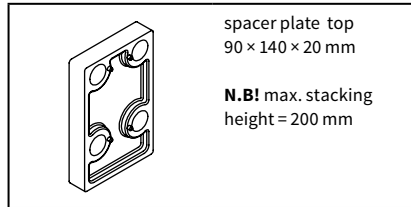
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73470.

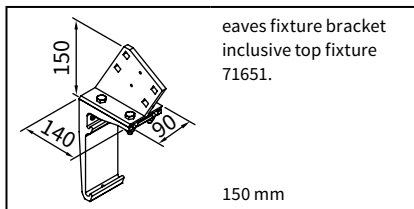


716411

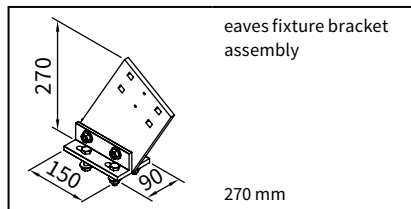


716311

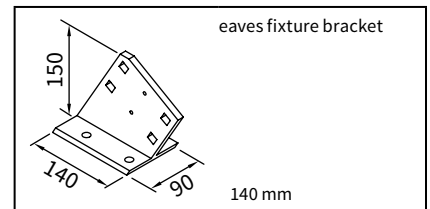
## Eaves fixture



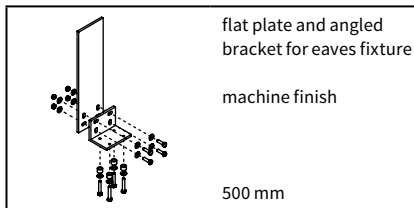
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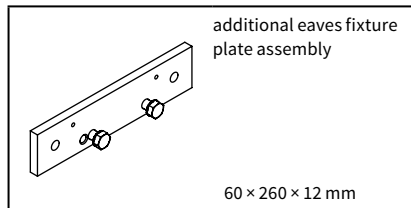
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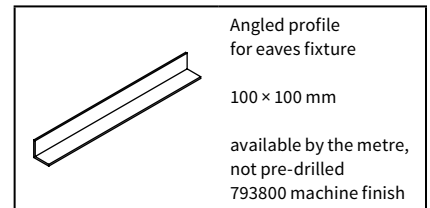
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716620

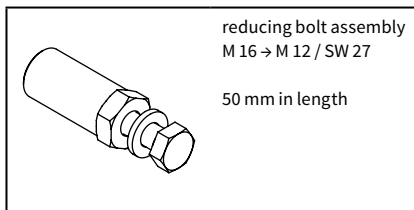


75383

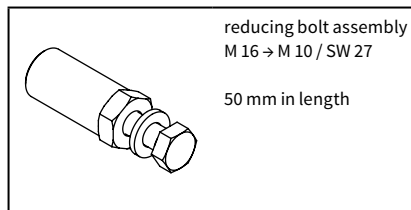


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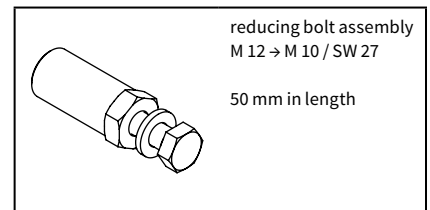
## Accessories



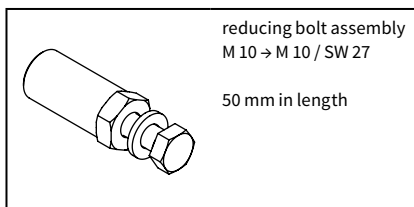
753891.



754921



754911



754901

. = insert RAL colour code no

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# Face fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

### compression-proof substrate

### non compression-proof substrate

H [cm]	M [cm]										M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
150	662	763	865	967	1068	1170	1272	1373	1475	1328	698	806	913	1020	1128	1235	1342	1450	1557	1402
200	1056	1212	1368	1524	1680	1836	1992	2148	2304	2088	1115	1279	1444	1609	1774	1938	2103	2268	2432	2204
250	—	1724	1945	2165	2386	2606	2827	3047	3263	3281	—	1820	2053	2285	2518	2751	2984	3217	3450	3463
300	—	—	2575	2870	3165	3460	3755	4050	4345	4392	—	—	2718	3029	3341	3653	3964	4275	4586	4636
350	—	—	—	3806	4186	4566	4946	5326	5706	5823	—	—	—	4018	4419	4819	5219	5619	6019	6147
400	—	—	—	—	5829	6377	6926	7475	—	7262	—	—	—	—	6153	6732	7311	7890	—	7665

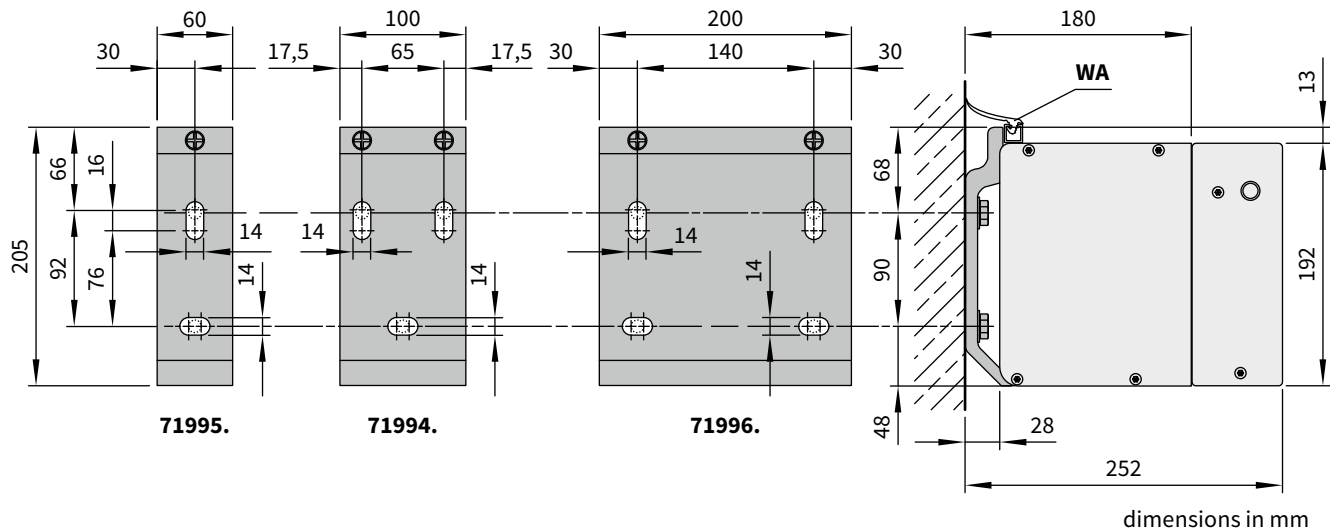
HT   BHT	2   100 mm				2   100 mm 2   60 mm		2   100 mm 3   60 mm		3   100 mm 3   60 mm	
BM	6				10		12		15	

HT   BHT	2   200 mm		—	3   200 mm 1   60 mm	
BM	8		—	14	

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **90 mm**. If this measurement is reduced to the minimum, the pull-out force increases by **18%** in the case of **compression-proof substrates** and by **19%** in the case of **non compression-proof substrates**.

- M** = awning width
- H** = projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points
- WA** = wall seal by way of aluminium profile with rubber sealing strip
- 71995.** = face fixture bracket assembly 60 mm
- 71994.** = face fixture bracket assembly 100 mm
- 71996.** = face fixture bracket assembly 200 mm



# Face fixture with spreader plate A

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate										
M [cm]											M [cm]										
H [cm]											H [cm]										
FB [N]											FB [N]										
250	300	350	400	450	500	550	600	650	700		250	300	350	400	450	500	550	600	650	700	
150	294	340	385	430	475	521	566	611	656	591	418	483	547	611	675	740	804	868	932	840	
200	469	538	607	677	746	815	884	953	1023	927	666	765	863	961	1060	1158	1257	1355	1453	1317	
250	—	764	862	960	1057	1155	1253	1350	1610	1454	—	1086	1225	1364	1502	1641	1780	1919	2288	2067	
300	—	—	1140	1271	1401	1532	1859	2008	2157	1944	—	—	1620	1805	1991	2177	2641	2853	3065	2763	
350	—	—	—	1684	1852	2262	2455	2648	2422	2576	—	—	—	2393	2631	3214	3489	3763	3441	3661	
400	—	—	—	—	2577	2819	3062	3305	—	3210	—	—	—	—	3662	4007	4351	4696	—	4562	

HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
BP	2	2	2	3
DP	—	2	3	3
BM	16	20	22	30

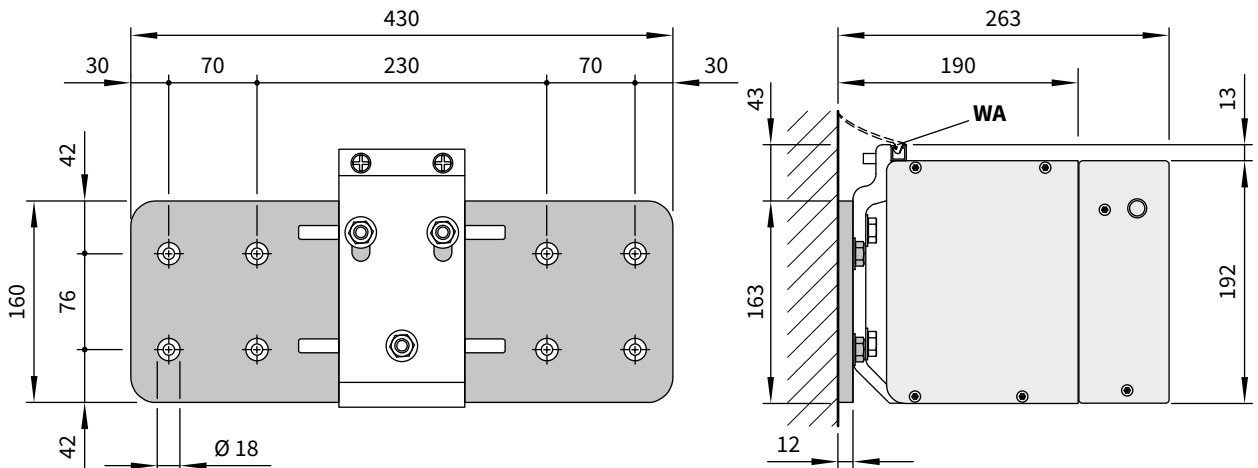
HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
BP	2	2	2	3
DP	—	2	3	3
BM	16	20	22	30

HT   BHT	—	3   100 mm 3   60 mm
BP	—	3
DP	—	3
BM	—	30

The pull-out force refers to the vertical centre to centre measurement between the fixing points of **76 mm**. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = awning width
- H** = projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- DP** = no. of spacer plates
- BM** = no. of fixing points
- WA** = wall seal by way of aluminium + rubber sealing strip



dimensions in mm

# Face fixture with spreader plate B

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

H [cm]	FB [N]									
	250	300	350	400	450	500	550	600	650	700
150	174	201	228	255	281	308	335	362	388	350
200	277	318	359	400	441	482	523	564	605	549
250	—	452	510	568	626	683	741	799	853	861
300	—	—	675	752	829	907	1100	1188	1276	1151
350	—	—	—	996	1096	1339	1453	1567	1433	1524
400	—	—	—	—	1525	1668	1812	1956	—	1900

**non compression-proof** substrate  
M [cm]

H [cm]	FB [N]									
	250	300	350	400	450	500	550	600	650	700
150	182	210	238	265	293	321	349	377	405	365
200	289	332	375	418	460	503	546	588	631	572
250	—	472	532	592	652	713	773	833	894	897
300	—	—	703	784	865	945	1147	1239	1331	1200
350	—	—	—	1039	1143	1396	1515	1634	1494	1590
400	—	—	—	—	1590	1740	1890	2039	—	1981

HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
BP	2	2	2	3
DP	—	2	3	3
BM	8	12	14	18

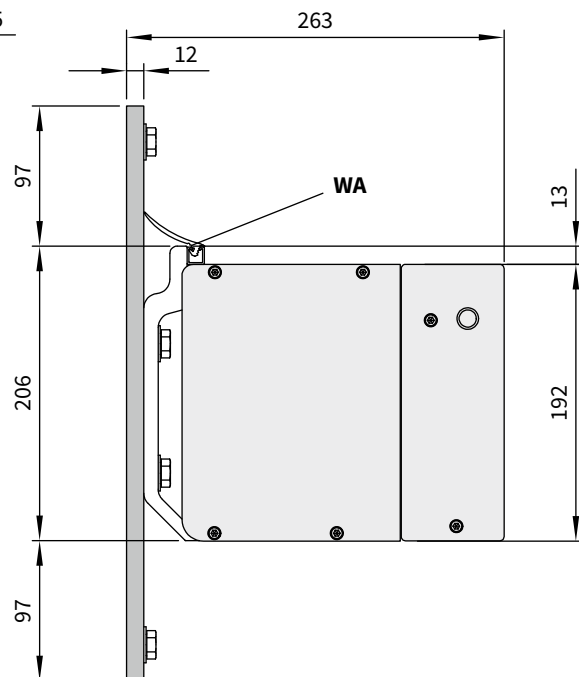
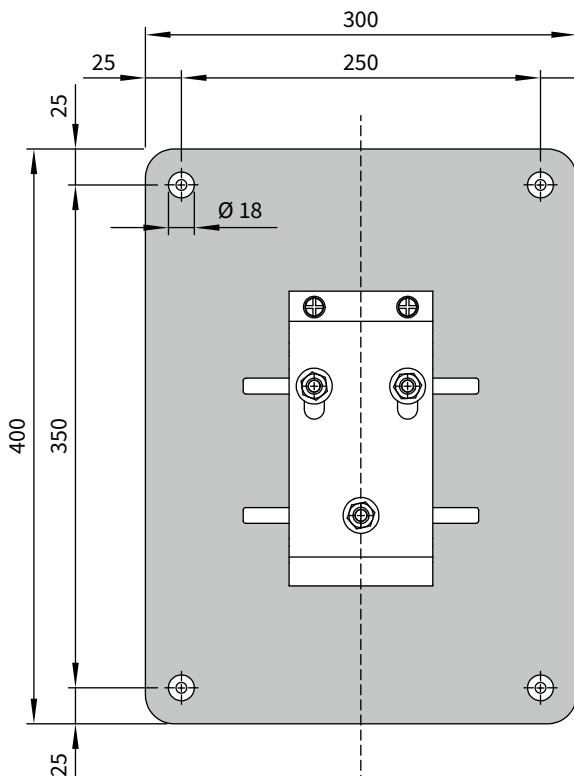
HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
BP	2	2	2	3
DP	—	2	3	3
BM	8	12	14	18

HT   BHT	—	3   100 mm 1   60 mm
BP	—	3
DP	—	1
BM	—	14

HT   BHT	—	3   100 mm 1   60 mm
BP	—	3
DP	—	1
BM	—	14

The pull-out force refers to the vertical centre to centre measurement between the fixing points of **350 mm**. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M** = awning width
- H** = projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BP** = no. of spreader plates
- DP** = no. of spacer plates
- BM** = no. of fixing points
- WA** = wall seal by way of aluminium + rubber sealing strip



dimensions in mm

# Face fixture with stand-off brackets

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

H [cm]	250	300	350	400	450	500	550	600	650	700
150	605	696	787	879	970	1061	1153	1244	1335	1206
200	919	1053	1187	1320	1454	1588	1722	1856	1990	1808
250	—	1448	1632	1815	1999	2183	2366	2550	3049	2758
300	—	—	2110	2350	2591	2831	3443	3718	3994	3604
350	—	—	—	3064	3368	4121	4472	4823	4414	4695
400	—	—	—	—	4633	5068	5503	5938	—	5772

**non compression-proof** substrate  
M [cm]

H [cm]	250	300	350	400	450	500	550	600	650	700
150	680	783	886	989	1091	1194	1297	1400	1502	1357
200	1034	1184	1335	1486	1636	1787	1937	2088	2239	2034
250	—	1629	1836	2042	2249	2456	2662	2869	3430	3103
300	—	—	2373	2644	2914	3185	3874	4183	4493	4054
350	—	—	—	3447	3789	4636	5031	5426	4966	5282
400	—	—	—	—	5212	5701	6191	6680	—	6493

HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
DH 77968.	2	2	2	3
DH 77967.	—	2	3	3
BM	8	16	20	24

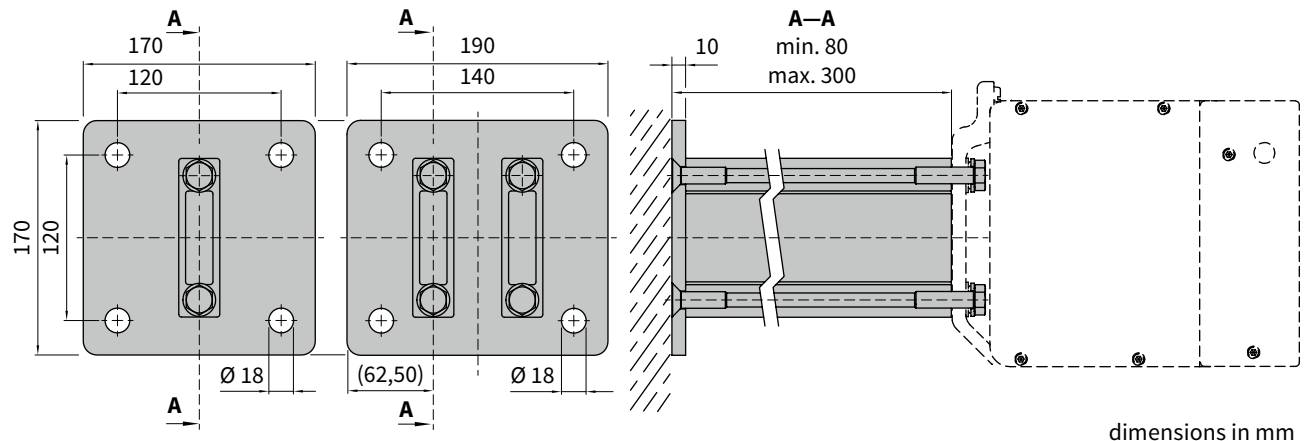
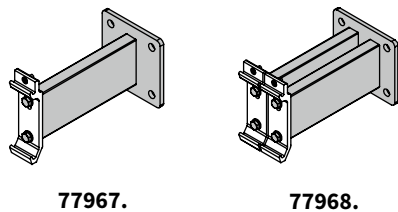
HT   BHT	2   100 mm	2   100 mm 2   60 mm	2   100 mm 3   60 mm	3   100 mm 3   60 mm
DH 77968.	2	2	2	3
DH 77967.	—	2	3	3
BM	8	16	20	24

HT   BHT	—	3   100 mm 1   60 mm
DH 77968.	—	3
DH 77967.	—	1
BM	—	16

HT   BHT	—	3   100 mm 1   60 mm
DH 77968.	—	3
DH 77967.	—	1
BM	—	16

The pull-out force refers to the vertical centre to centre measurement between the fixing points of **120 mm**. In the case of stand-off brackets a washer conforming to DIN 9021 must be used.

- M** = awning width
- H** = projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points
- DH** = anzahl Distanzhalter
- 77967.** = stand-off bracket for face fixture bracket 71995.
- 77968.** = stand-off bracket for 2 pcs. face fixture bracket 71995.



dimensions in mm

# Top fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

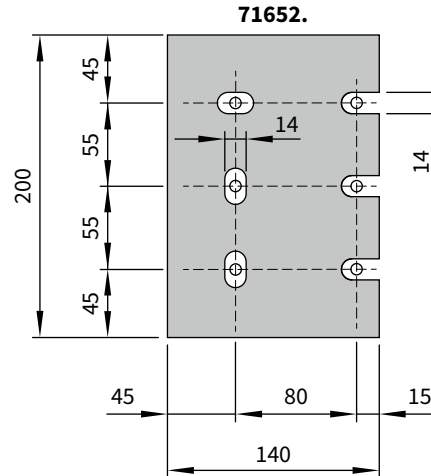
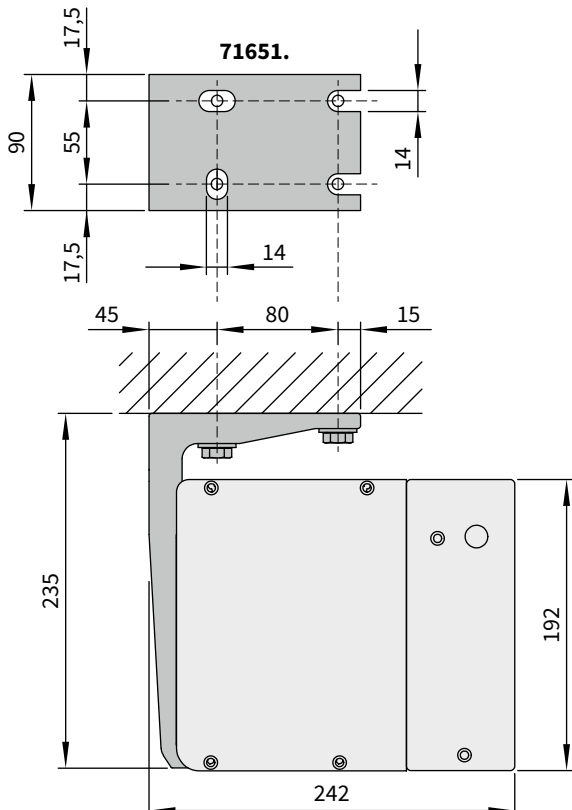
**compression-proof** substrate

**non compression-proof** substrate

compression-proof substrate											non compression-proof substrate													
M [cm]											M [cm]													
H [cm]											H [cm]													
FB [N]											FB [N]													
250	300	350	400	450	500	550	600	650	700		250	300	350	400	450	500	550	600	650	700				
150	608	705	801	898	994	1091	1188	1284	1381	1271	847	980	1114	1247	1380	1514	1647	1780	1914	1751				
200	934	1075	1217	1358	1500	1641	1782	1924	2065	1899	1315	1513	1711	1909	2106	2304	2502	2700	2898	2653				
250	—	1498	1693	1887	2082	2277	2472	2666	3163	2884	—	2046	2307	2569	2831	3093	3355	3617	4313	3895				
300	—	—	2213	2470	2726	2983	3605	3895	4186	3802	—	—	3056	3406	3757	4108	4984	5384	5784	5214				
350	—	—	—	3243	3569	4347	4720	5094	4683	4984	—	—	—	4517	4969	6070	6588	7106	6498	6912				
400	—	—	—	—	4926	5392	5858	6324	—	6172	—	—	—	—	6919	7571	8223	8875	—	8621				
HT   BHT	2   90 mm			4   90 mm			5   90 mm			6   90 mm			2   90 mm			4   90 mm			5   90 mm			6   90 mm		
BM	8			16			20			24			8			16			20			24		
HT   BHT	2   200 mm			—			—			3   200 mm			2   200 mm			—			—			3   200 mm		
BM	12			—			—			22			12			—			—			22		

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of 80 mm.

- M** = awning width
- H** = projection
- FB** = pull-out force per fixing point
- HT | BHT** = bracket quantity | width
- BM** = no. of fixing points
- 71651.** = top fixture bracket assembly 90 mm
- 71652.** = top fixture bracket assembly 200 mm



dimensions in mm

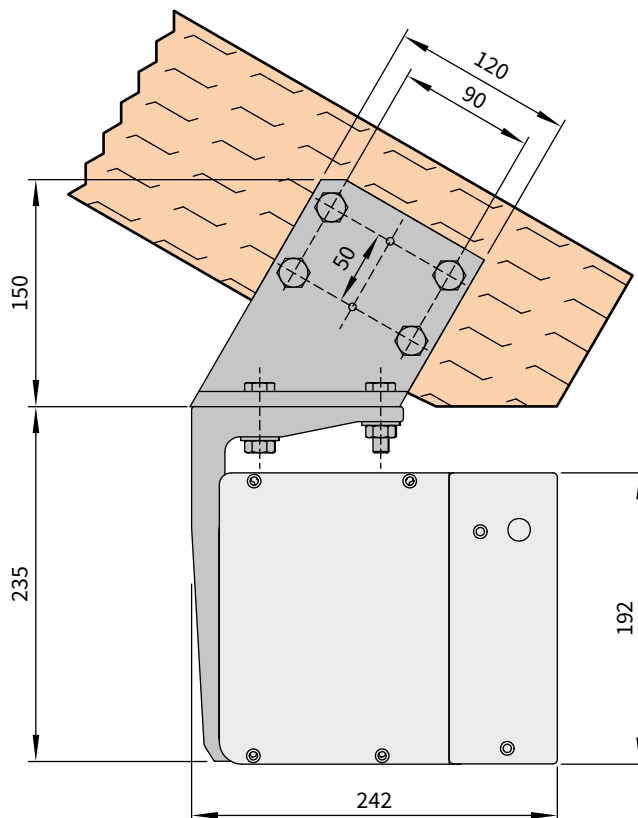
### Eaves fixture

Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]										Shear force M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
	Md [Nm]										FS [N]									
150	126	145	164	184	203	222	242	261	280	252	1520	1760	1999	2239	2479	2719	2958	3198	3438	3152
200	200	230	260	289	319	349	378	408	438	397	2352	2706	3061	3415	3770	4124	4479	4833	5188	4756
250	—	327	369	411	453	495	537	579	690	623	—	3787	4277	4768	5259	5749	6240	6731	7992	7274
300	—	—	489	545	601	657	797	861	925	834	—	—	5607	6256	6904	7553	9136	9872	10608	9619
350	—	—	—	723	795	971	1054	1137	1040	1106	—	—	—	8231	9059	11040	11987	12934	11876	12639
400	—	—	—	—	1107	1211	1316	1420	—	1379	—	—	—	—	12526	13710	14893	16077	—	15676
HT	2		4		5		6				2		4		5		6			
BM	8		16		20		24				8		16		20		24			

The shear force is calculated on the basis of 2 fixing points per bracket, because – depending on the roof pitch – it cannot be guaranteed that 4 fixing points per bracket can be used.

- M = awning width
- H = projection
- Md = torque value for the bracket in the immediate vicinity of the arm
- HT = no. of brackets
- FS = shear force
- BM = no. of fixing points



dimensions in mm

## Eaves fixture with additional spreader / backing plate

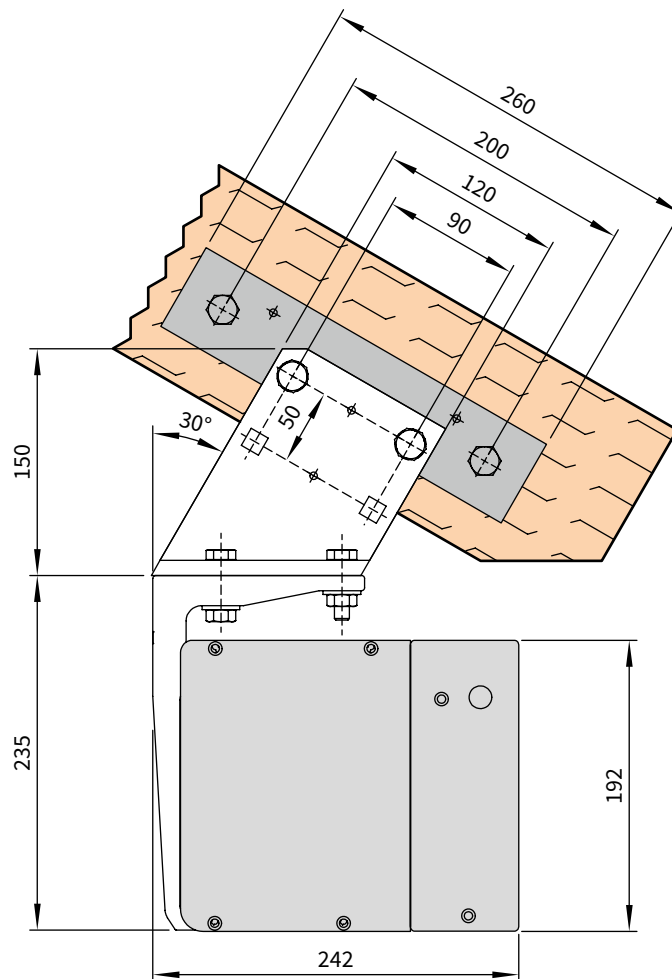
Torque [Nm = Newton metres] for the fixture bracket next to the arm, shear force [N = Newton] per fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]										Shear force M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
	Md [Nm]										FS [N]									
150	126	145	164	184	203	222	242	261	280	252	753	874	996	1118	1239	1361	1483	1604	1726	1611
200	200	230	260	289	319	349	378	408	438	397	1127	1300	1474	1647	1820	1993	2167	2340	2513	2333
250	—	327	369	411	453	495	537	579	623	623	—	1786	2021	2256	2490	2725	2959	3194	3429	3466
300	—	—	489	545	601	657	713	769	825	834	—	—	2620	2925	3231	3536	3842	4147	4452	4521
350	—	—	—	723	795	867	939	1011	1083	1106	—	—	—	3814	4200	4586	4972	5358	5744	5880
400	—	—	—	—	1107	1211	1316	1420	—	1379	—	—	—	—	5760	6307	6853	7400	—	7247
HT	2		4		5		6				2		4		5		6			
BM	4		8		10		12				4		16		20		12			

By using the additional spreader / backing plate, the shear force is reduced in comparison with conventional eaves fixture.

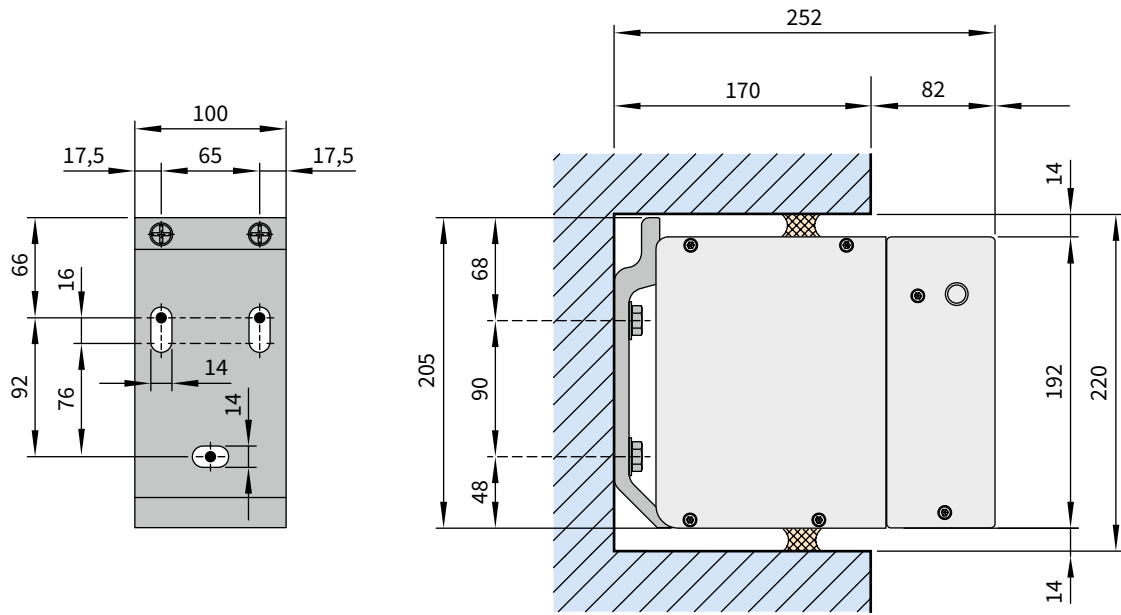
### 10

- M** = awning width
- H** = projection
- Md** = torque value for the bracket in the immediate vicinity of the arm
- HT** = no. of brackets
- FS** = shear force
- BM** = no. of fixing points



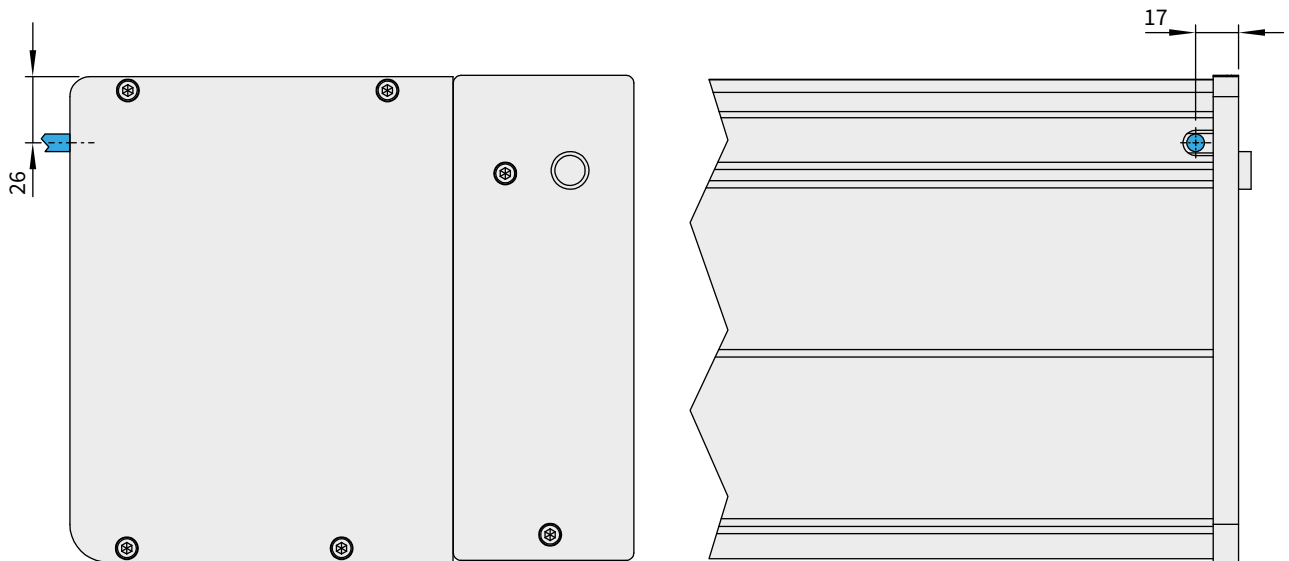
dimensions in mm

Recess fixture



dimensions in mm

Cable exit position on motor-driven units



dimensions in mm

01  
02  
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**10**  
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01 **Overview of the dimensions** (using face fixture with manual operation by way of example)

02

03

04

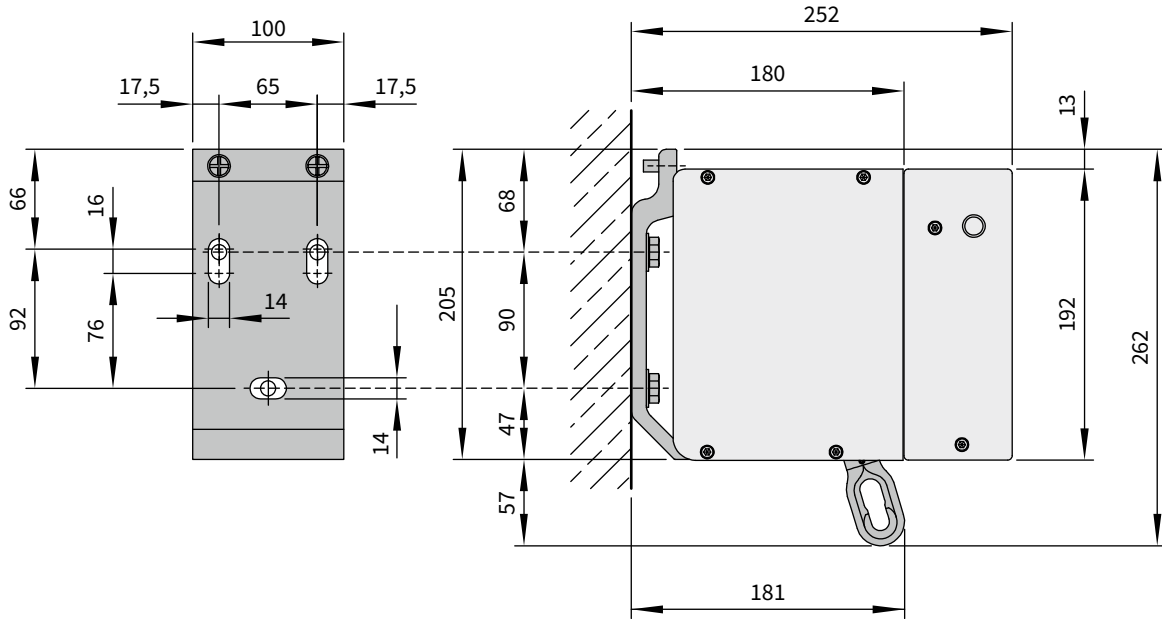
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dimensions in mm

10

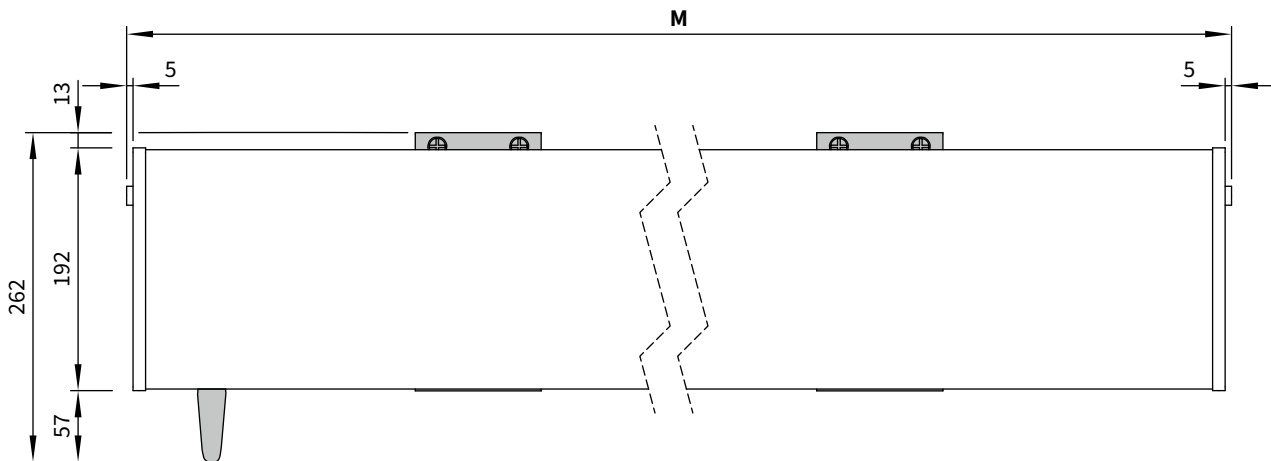
11

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14 **Front view**

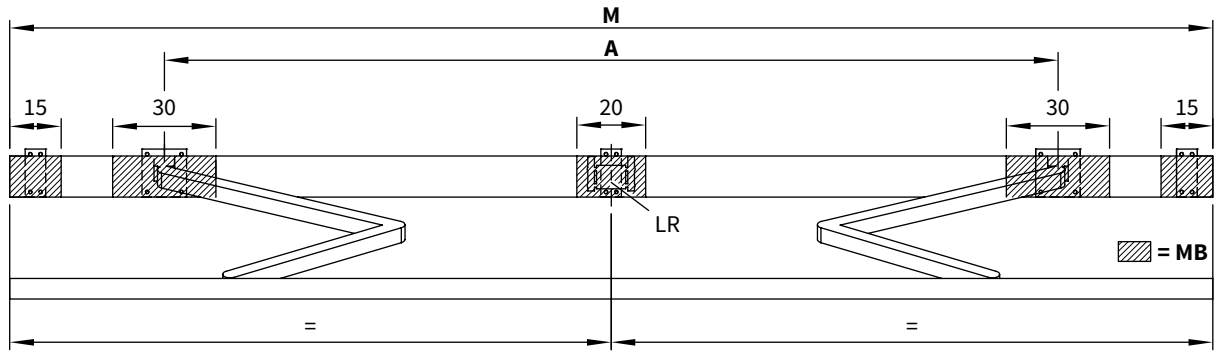
15



M = awning width

dimensions in mm

### Bracket fixture range for awnings with 2 folding arms



dimensions in cm

M [cm]	SB →	250	300	350	400	450	500	550	600	650
	ZB →	190–250	251–300	301–350	351–400	401–450	451–500	501–550	551–600	601–650

H [cm] ↓	A [cm]								
150	168**	230	260	300	340	380	410	450	490
200	205*	218**	260	300	340	380	410	450	490
250	—	255*	268**	300	340	380	410	450	490
300	—	—	305*	318**	340	380	410	450	490
350	—	—	—	355*	368**	380	440	450	—
400	—	—	—	—	405*	418**	440	450	—

dimensions in cm

W	BHT ↓	HT ↓		
	60 mm	—	—	2
100 mm	2	—	2	2
200 mm	—	2	—	—

W A/B	60 mm	—	—	2	3
	100 mm	2	2	2	2

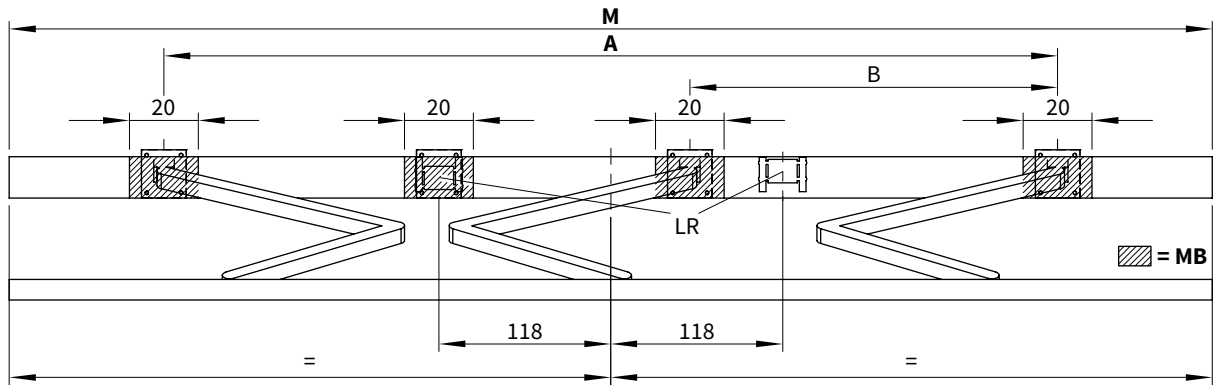
DE / DA	90 mm	2	—	4	5
	200 mm	—	2	—	—

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!

- \* = Please note the minimum widths! Dimension **A** is only valid for standard arms!  
Coupled units are not available with junction roller.
- \*\* = Please note the minimum widths! Dimension **A** is only valid for standard arms! Dimension **A** is 13 cm smaller in the case of bespoke arms. Coupled units are only available with junction roller in the standard widths, in the case of other widths please ask us.

- A** = arm position
- BHT** = bracket width
- DA** = eaves fixture
- DE** = eop fixture
- H** = projection
- HT** = no. of brackets
- LR** = a rolltex bearing with accompanying bracket is always placed under a central seam
- M** = awning width
- MB** = bracket fixture range
- SB** = standard width
- W** = face fixture
- W A/B** = face fixture with spreader plate A/B
- ZB** = intermediate width

01 **Bracket fixture range for awnings with 3 folding arms**



dimensions in cm

M [cm]	SB →	650	700		
	ZB →	—	651—700	653—689	700

H [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓
150	—	—	540	250	—	—	—	—
200	—	—	540	250	—	—	—	—
250	—	—	550	235	—	—	—	—
300	—	—	580	235	—	—	—	—
350	615	230	—	—	615	230	640	230
400	—	—	—	—	—	—	665 <sup>1)</sup>	235 <sup>1)</sup>

dimensions in cm

W	BHT ↓	HT ↓	HT ↓
	60 mm	1	3
	100 mm	—	3
	200 mm	3	—

W A/B	60 mm	1	3
	100 mm	3	3

DE / DA	90 mm	1	6
	200 mm	3	—

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!

- \* = coupled units are not available with junction roller
- 1) = number of brackets identical to size 650x350 cm

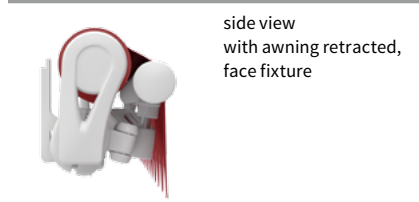
- A** = arm position
- BHT** = bracket width
- DA** = eaves fixture
- DE** = top fixture
- H** = projection
- HT** = no. of brackets
- LR** = a rolltex bearing with accompanying bracket is always placed under a central seam
- M** = awning width
- MB** = bracket fixture range
- SB** = standard width
- W** = face fixture
- W A/B** = face fixture with spreader plate A/B
- ZB** = intermediate width



## **markilux** 1300 Basic

**The awning which sets exacting standards**

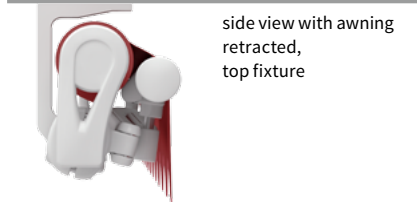
01  
02  
03  
04  
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06  
07  
08  
09  
10



side view with awning retracted, face fixture



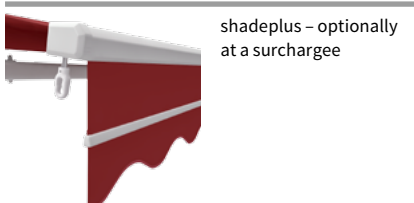
pitch adjustment gear – optionally at a surcharge



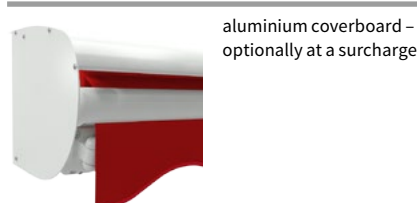
side view with awning retracted, top fixture



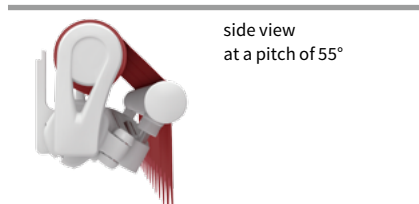
twin steel-link chain, corrosion resistant



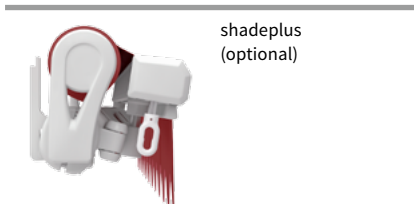
shadeplus – optionally at a surcharge



aluminium coverboard – optionally at a surcharge



side view at a pitch of 55°



shadeplus (optional)

11

## Design Features, Technical Specification and Accessories

the robust folding arms with twin steel-link chain ensure a taut cover

the pivot bolts are made from corrosion-proof stainless steel and run in Teflon-coated bushes

the strong 40 mm × 40 mm torque bar is extremely resistant to twist and deflection, the roller tube is made of steel and has a diameter of 85 mm for the same reason

the attractive front profile made with integrated gutter ensures water drains away to the sides

the pitch adjustment gear mechanism (available optionally at a surcharge) that affords added protection: the sun marches across the sky – your awning marches with it; with the pitch adjustment gear mechanism you can change the (normally fixed) pitch from 4° to 54° or 35° to 85° by simply using a winding handle

shadeplus creates additional living space on the terrace: protection against the sun, wind and inquisitive glances.

### Frame colours

		Standard	Optional
traffic white	RAL 9016	<input type="checkbox"/>	
metallic aluminium	RAL 9006	<input type="checkbox"/>	
non-standard powder-coated finish			

Colours similar to those in the RAL chart. Colours may differ slightly from those depicted in both hue and finish.

### Miscellaneous

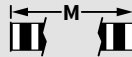
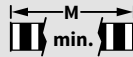








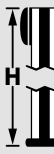
	Standard	Optional
pitch adjustment gear	—	<input checked="" type="checkbox"/>
shadeplus	—	<input checked="" type="checkbox"/> <sup>1)</sup>
coverboard	—	<input checked="" type="checkbox"/>
light and wind sensor	—	<input checked="" type="checkbox"/>
valance	<input checked="" type="checkbox"/> <sup>2)</sup>	—
infrared heater	—	<input checked="" type="checkbox"/>
vibrabox / radio control light sensor Sunis WireFree	—	<input checked="" type="checkbox"/>

1) only available with manual drive

2) valance shape style 1 (straight) or 2 (undulated)

(see „markilux collection“)

### Dimensions and configuration options

																	
		250	300	350	400	450	500	550	600	650	700 <sup>3)</sup>						
		167 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700						
	150											181	167	266	253	184	170
	200	3)										231	218	341	328	234	221
	250	—	3)									281	268	416	403	284	271
	300	—	—	3)								331	318	491	478	334	321
	350	—	—	—	3)					3)		381	368	566	553	384	371
	400 <sup>1)2)</sup>	—	—	—	—	3)				3)		431	418	640	627	—	—



 =        =        dimensions in cm

- 1) a shadeplus is not possible
- 2) awnings with 3 arms or a projection of 400 cm are only available with motor
- 3) please note the minimum widths!

#### Operation / Drive

	Standard	Optional
manual operation	<input checked="" type="checkbox"/>	—
servo-assisted operation	—	<input checked="" type="checkbox"/>
hard-wired motor	—	<input checked="" type="checkbox"/>
io radio controls	—	<input checked="" type="checkbox"/>
radio-controlled motor (433 MHz)	—	<input checked="" type="checkbox"/>

#### Dimensions and tolerances

	Breiten		projection
			
housing tolerances	+20 / -15 mm		±40 mm
awning cover width = awning width	-140 mm	-170 mm	
awning cover length = awning projection			+130 mm






#### Covers

	Fabric range no.	Standard	Optional
sun silk snc	324 .. / 328 .. / 369 ..	<input checked="" type="checkbox"/>	—
sun silk perla FR	374 ..	—	<input checked="" type="checkbox"/>
sun vas snc	310 .. / 311 .. 313 .. — 315 ..	<input checked="" type="checkbox"/>	—
sun vas perla	370 ..	—	<input checked="" type="checkbox"/>

#### Coupled units

	Standard	Optional
2 fields	—	<input checked="" type="checkbox"/> <sup>4)</sup>
junction roller	—	<input checked="" type="checkbox"/> <sup>5)</sup>
one-piece cover	—	<input checked="" type="checkbox"/>

- 4) for minimum widths please consult the section "Technical Information"
- 5) see overview "Bracket fixture range"

 = motor	 = manual operation	<b>M</b> = awning width
 = no. of folding arms	 = no. of bespoke arms	<b>M min.</b> = minimum widths
 = no. of rolltex bearings		<b>H</b> = projection

## Additional information

The width of the awning cover is always **less** than that of the awning. Please refer cover sizes in the case of coupled units and those with more than 2 arms to us.

**Pitch adjustment range:** from 5° to 55° (to the horizontal).

**Pitch adjustment range in the case of pitch adjustment gear:** either from 4° to 54° or from 35° to 85° ( in both cases to the horizontal). Der Verstellbereich ist bei Bestellung anzugeben.

**Definition of projection:** Please consult the section "Technical Information".

**Definition of shadeplus:** The shadeplus drop is measured from the bottom edge of the shadeplus profile to the bottom edge of the valance profile. Due to fabric thickness tolerances the actual drop may be shorter than the nominal drop by up to 5 cm. For the maximum shadeplus drops please consult the section "Technical Information".

In the case of manual operation **approximately 16 winding handle revolutions** can be assumed **per metre of awning projection**. It takes approximately **12 seconds per metre** to extend a **motor-driven awning**.

**Coupled folding-arm awnings** are available up to a max. of 3 single units side by side, however only with a maximum of 6 folding-arms and only operated by motor.

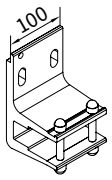
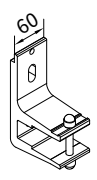
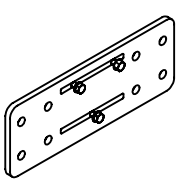
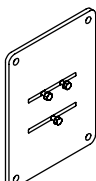
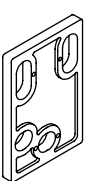
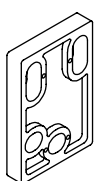

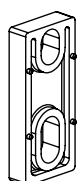
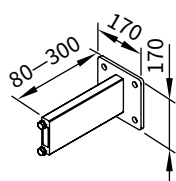
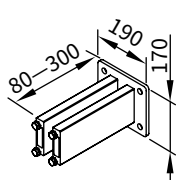
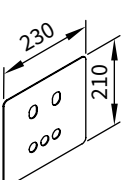
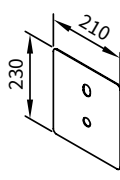
A coupled unit is available with **junction roller**. Pattern repeat mismatches are possible in the case of junction roller covers. A junction roller may not fit when the projection is the maximum for the width of each awning. (see also the section on "Installation", the arm separation table).

Coupled folding-arm awnings with a one-piece cover on request.

If coupled blinds are fitted into a recess or **reveal the overall** width of the coupled awning must be at least 6 cm less than the width of the opening to allow the awning to be coupled.

## Fixtures, fittings and accessories

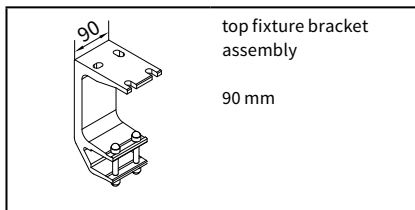
### Face fixture

 <p>face fixture bracket assembly 100 mm</p>	 <p>face fixture bracket assembly 60 mm</p>	 <p>spreader plate A 160 × 430 × 12 mm</p>
<p><b>71664.</b></p>	<p><b>71665.</b></p>	<p><b>75326.</b></p>
 <p>spreader plate B 300 × 400 × 12 mm</p>	 <p>spacer plate 100 × 150 × 12 mm</p>	 <p>spacer plate 100 × 150 × 20 mm <b>N.B!</b> max. stacking height = 200 mm</p>
<p><b>75325.</b></p>	<p><b>718241</b></p>	<p><b>718231</b></p>
 <p>spacer plate face fixture / top 60 × 140 × 12 mm</p>	 <p>spacer plate face fixture / top 60 × 140 × 20 mm <b>N.B!</b> max. stacking height = 200 mm</p>	 <p>stand-off bracket for face fixture bracket 71665.</p>
<p><b>71642.</b></p>	<p><b>716321</b></p>	<p><b>77967.</b></p>
 <p>stand-off bracket for 2 pcs. face fixture 71665.</p>	 <p>cover plate for installation with spacer plates and stand-off brackets in the case of external insulation 210 × 230 × 2 mm</p>	 <p>cover plate for installation with spacer plates and stand-off brackets in the case of external insulation 230 × 210 × 2 mm</p>
<p><b>77968.</b></p>	<p><b>71843.</b></p>	<p><b>71844.</b></p>

. = insert RAL colour code no

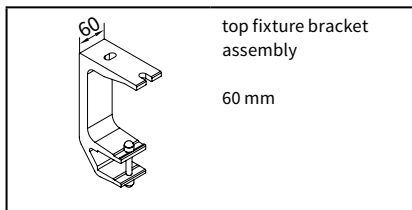
# Fixtures, fittings and accessories

## Top fixture



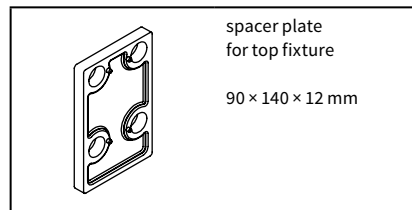
top fixture bracket assembly  
90 mm

71666.



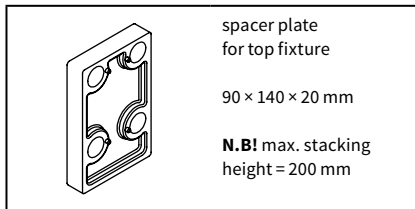
top fixture bracket assembly  
60 mm

71667.



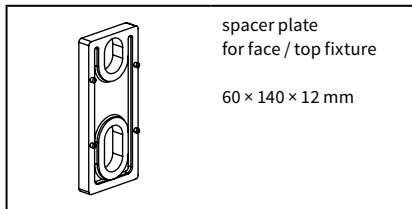
spacer plate for top fixture  
90 × 140 × 12 mm

716411



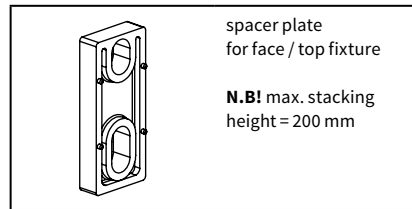
spacer plate for top fixture  
90 × 140 × 20 mm  
**N.B!** max. stacking height = 200 mm

716311



spacer plate for face / top fixture  
60 × 140 × 12 mm

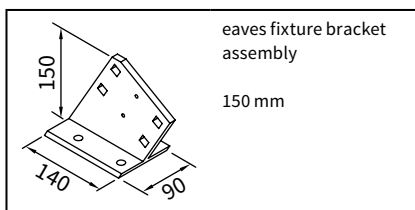
71642.



spacer plate for face / top fixture  
**N.B!** max. stacking height = 200 mm

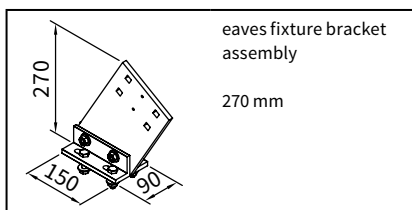
716321

## Eaves fixture



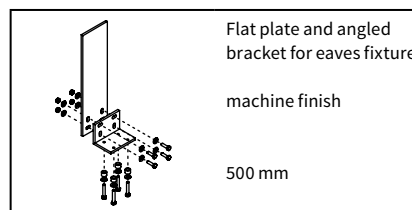
eaves fixture bracket assembly  
150 mm

71612.



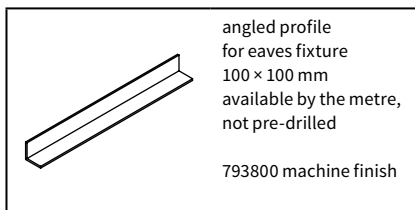
eaves fixture bracket assembly  
270 mm

71659.



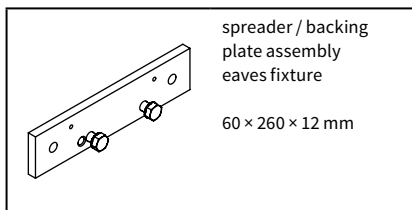
Flat plate and angled bracket for eaves fixture  
machine finish  
500 mm

716620



angled profile for eaves fixture  
100 × 100 mm  
available by the metre, not pre-drilled  
793800 machine finish

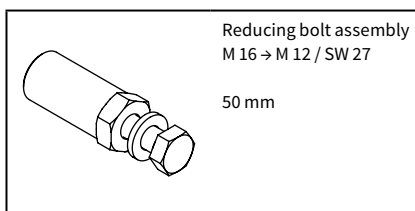
79380.



spreader / backing plate assembly eaves fixture  
60 × 260 × 12 mm

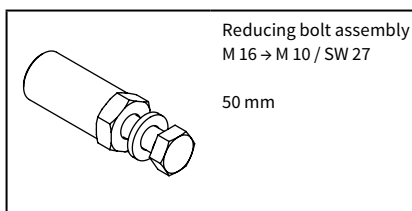
75383.

## Accessories



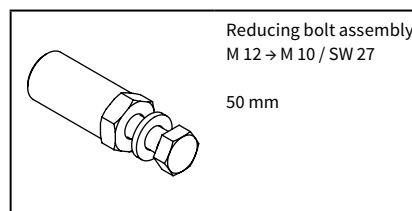
Reducing bolt assembly M16 → M12 / SW 27  
50 mm

753891



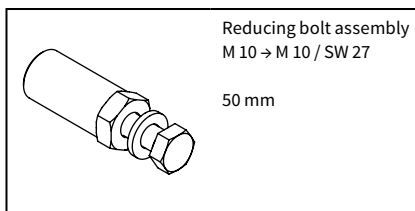
Reducing bolt assembly M16 → M10 / SW 27  
50 mm

754921



Reducing bolt assembly M12 → M10 / SW 27  
50 mm

754911



Reducing bolt assembly M10 → M10 / SW 27  
50 mm

754901

. = insert RAL colour code no

01  
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15

# Face fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600	650	700
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

H [cm] FB [N]

150	439	506	572	639	705	772	838	905	971	845
200	701	808	915	1023	1130	1237	1344	1452	1559	1397
250	—	1202	1359	1517	1674	1831	1989	2146	2637	2421
300	—	—	1860	2077	2293	2510	3132	3386	3641	3388
350	—	—	—	2748	3033	3818	4155	4492	4260	4574
400	—	—	—	—	4431	4862	5293	5724	5410	5769

**non compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600	650	700
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FB [N]

508	585	661	738	815	892	969	1045	1122	976
810	934	1058	1182	1306	1430	1554	1677	1801	1614
—	1389	1571	1752	1934	2116	2298	2480	3047	2797
—	—	2149	2400	2650	2901	3619	3913	4207	3915
—	—	—	3175	3505	4412	4801	5191	4922	5285
—	—	—	—	5121	5619	6116	6614	6251	6666

HT   BHT	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm
----------	------------	-------------------------	-------------------------

	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm
--	------------	-------------------------	-------------------------

BM	6	10	13
----	---	----	----

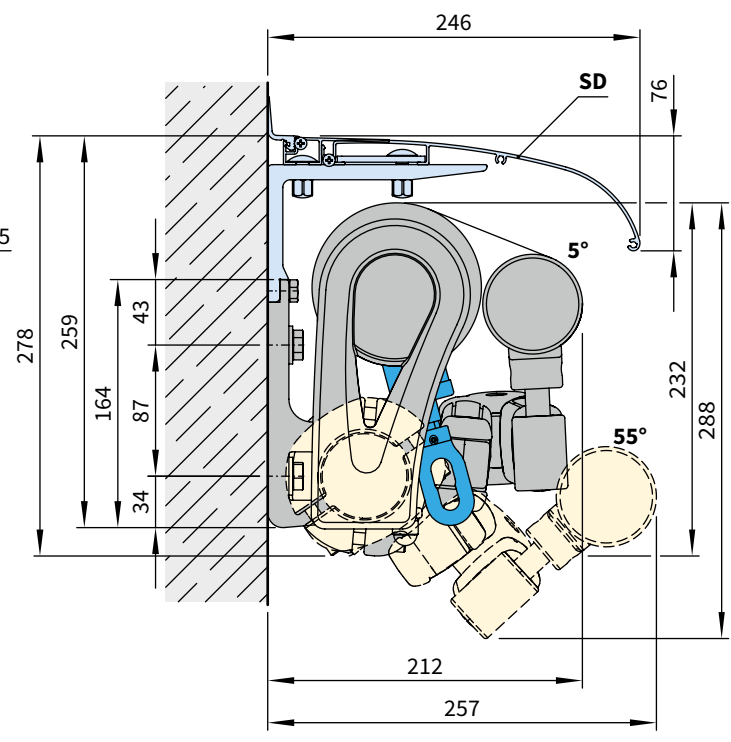
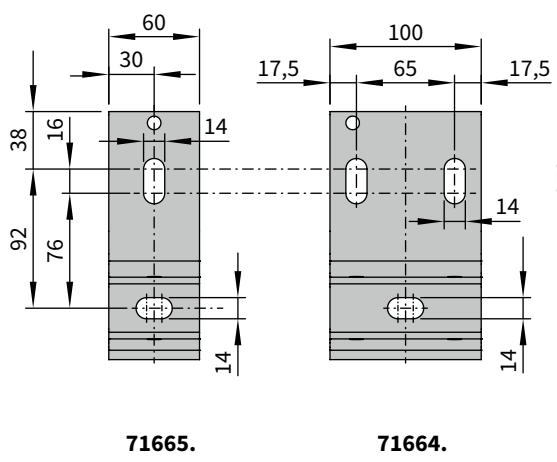
	6	10	13
--	---	----	----

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **90 mm**. If this measurement is reduced to the minimum, the pull-out force increases by **14%** in the case of **compression-proof substrates** and by **19%** in the case of **non compression-proof substrates**.

If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved.

Place the brackets immediately to the left and right of the arm bearer.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- SD = coverboard
- 71665. = face fixture bracket assembly 60 mm
- 71664. = face fixture bracket assembly 100 mm



dimensions in mm

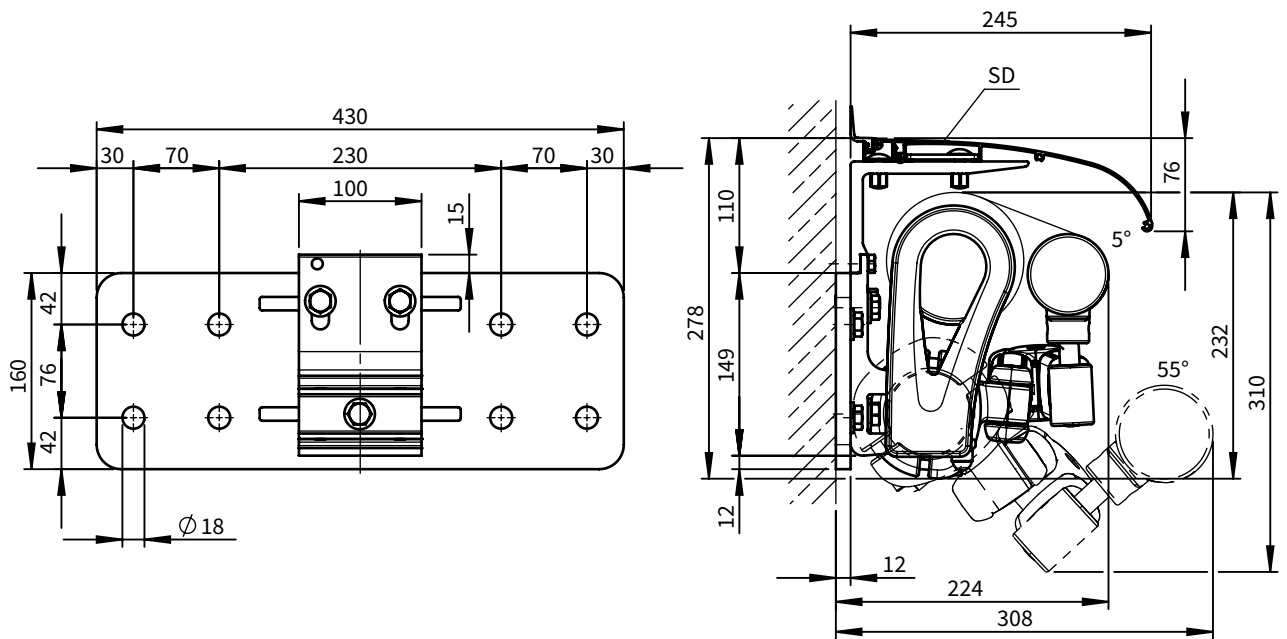
# Face fixture with spreader plate A

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate										non compression-proof substrate										
M [cm]										M [cm]										
H [cm]										H [cm]										
FB [N]										FB [N]										
250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
150	214	247	279	312	344	376	409	441	474	390	305	351	397	443	489	535	581	627	673	554
200	341	393	445	497	549	602	654	706	758	643	484	559	633	707	781	855	929	1003	1077	914
250	—	583	660	736	813	889	965	1042	1280	1117	—	829	938	1046	1155	1263	1372	1480	1819	1588
300	—	—	902	1007	1112	1217	1519	1642	1765	1564	—	—	1282	1431	1580	1729	2158	2333	2509	2223
350	—	—	—	1331	1469	1850	2013	2176	1956	2107	—	—	—	1892	2088	2629	2861	3093	2779	2995
400	—	—	—	—	2145	2354	2562	2771	2485	2659	—	—	—	—	3049	3345	3641	3938	3531	3778
HT   BHT	2   100 mm			2   100 mm 2   60 mm			3   100 mm 2   60 mm			2   100 mm			2   100 mm 2   60 mm			3   100 mm 2   60 mm				
BP	2			2			3			2			2			3				
DP	—			2			2			—			2			2				
BM	16			20			28			16			20			28				

The pull-out force refers to the vertical centre to centre measurement between the fixture points of 76 mm. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = no. of spreader plates
- DP = no. of spacer plates
- BM = no. of fixing points
- SD = coverboard



dimensions in mm

01  
02  
03  
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15

# Face fixture with spreader plate B

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

**non compression-proof** substrate  
M [cm]

H [cm]	FB [N]									
150	127	146	165	184	204	223	242	261	280	231
200	202	233	263	294	325	356	387	418	449	381
250	—	345	390	436	481	526	571	617	758	661
300	—	—	534	596	658	720	899	972	1045	926
350	—	—	—	788	870	1095	1191	1288	1157	1247
400	—	—	—	—	1270	1393	1516	1640	1470	1573

H [cm]	FB [N]									
150	132	152	172	192	212	232	252	272	292	240
200	210	243	275	307	339	371	403	436	468	397
250	—	360	407	454	502	549	596	643	790	690
300	—	—	557	621	686	751	937	1013	1090	965
350	—	—	—	821	907	1142	1242	1343	1207	1300
400	—	—	—	—	1324	1453	1581	1710	1533	1641

HT   BHT	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm
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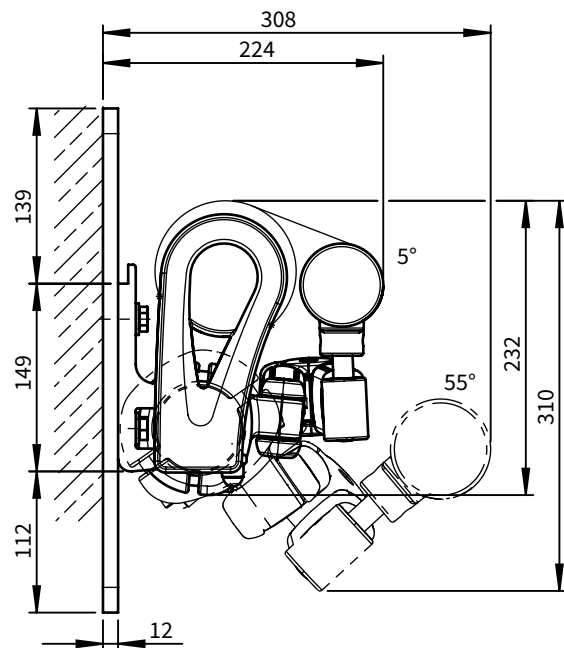
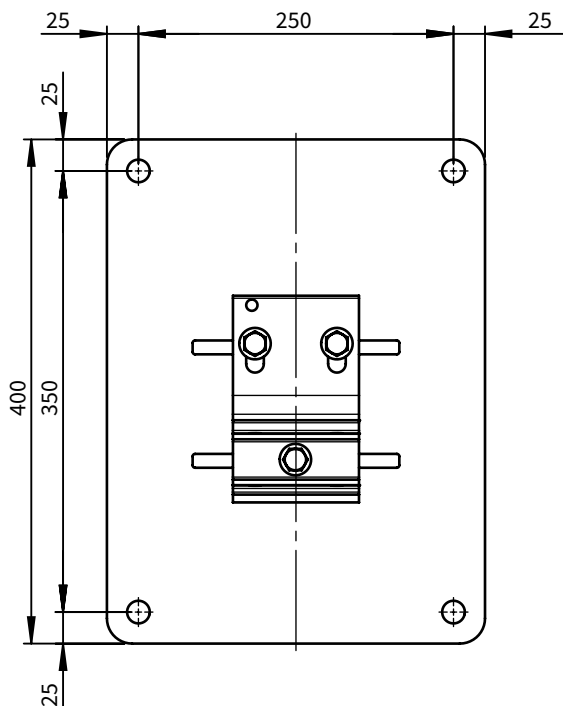
HT   BHT	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm
----------	------------	-------------------------	-------------------------

BP	2	2	3
DP	—	2	2
BM	8	12	16

BP	2	2	3
DP	—	2	2
BM	8	12	16

**11** The pull-out force refers to the vertical centre to centre measurement between the fixture points of **350 mm**. In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = no. of spreader plates
- DP = no. of spacer plates
- BM = no. of fixing points



dimensions in mm

# Face fixture with spacer plate

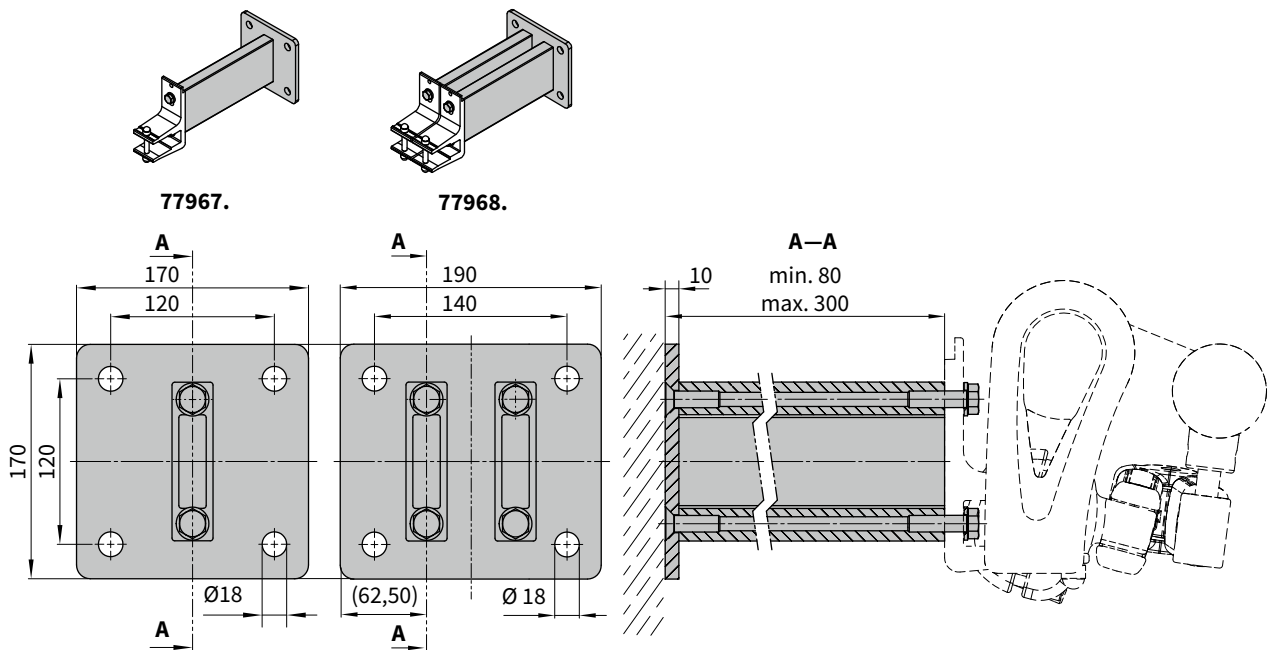
Auszugskräfte [N=Newton] pro Befestigungswitthel nach DIN EN 13561, Windwiderstandsklasse 2

compression-proof substrate										non compression-proof substrate										
M [cm]										M [cm]										
H [cm]										H [cm]										
FB [N]										FB [N]										
250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700	
150	398	461	524	586	649	712	775	838	901	742	448	518	589	660	730	801	872	942	1013	835
200	618	717	815	913	1011	1109	1207	1305	1403	1192	696	806	916	1027	1137	1247	1358	1468	1578	1341
250	—	1043	1184	1324	1464	1605	1745	1886	2286	1996	—	1173	1332	1490	1648	1806	1964	2122	2571	2246
300	—	—	1596	1786	1976	2166	2670	2890	3109	2756	—	—	1796	2009	2223	2437	3004	3251	3498	3101
350	—	—	—	2334	2581	3215	3502	3788	3407	3672	—	—	—	2626	2903	3617	3939	4262	3832	4131
400	—	—	—	—	3882	4259	4636	5013	4495	4810	—	—	—	—	4368	4792	5216	5640	5057	5411
HT   BHT	2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm			2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm		
DH 77968.	2				2			3			2				2			3		
DH 77967.	—				2			2			—				2			2		
BM	8				16			20			8				16			20		

Die Auszugskraft bezieht sich auf den vertikalen Befestigungswitthelabstand von **120 mm**.

Bei spacer plate ist die Unterlegscheibe DIN 9021 einzusetzen.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- DH = no. of stand-off brackets
- 77967. = stand-off bracket for face fixture bracket 71665.
- 77968. = stand-off bracket for 2 pcs. face fixture bracket 71665.



dimensions in mm

# Face fixture with shadeplus

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600	650	700
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

**non compression-proof** substrate  
M [cm]

250	300	350	400	450	500	550	600	650	700
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

H [cm]	FB [N]									
150	510	591	671	752	833	913	994	1074	1155	997
200	795	921	1047	1174	1300	1426	1552	1678	1804	1607
250	—	1343	1524	1705	1886	2067	2248	2429	2943	2690
300	—	—	2058	2303	2548	2793	3443	3726	4009	3716
350	—	—	—	3012	3330	4148	4518	4888	4618	4963

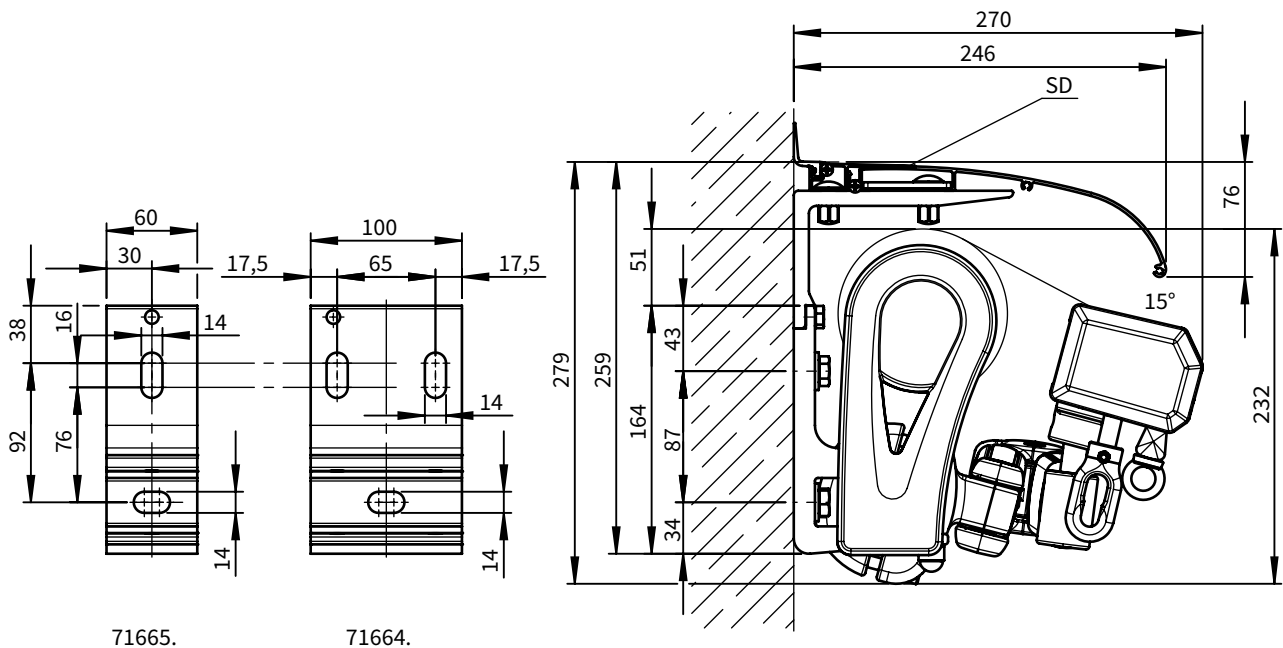
H [cm]	FB [N]									
150	589	683	776	869	962	1055	1148	1242	1335	1153
200	919	1065	1210	1356	1502	1648	1793	1939	2085	1857
250	—	1552	1761	1970	2180	2389	2598	2807	3401	3109
300	—	—	2378	2661	2944	3228	3978	4305	4632	4294
350	—	—	—	3480	3848	4794	5221	5649	5337	5735

HT   BHT	2   100 mm			2   100 mm 2   60 mm		3   100 mm 2   60 mm	
BM	6			10		13	

HT   BHT	2   100 mm			2   100 mm 2   60 mm		3   100 mm 2   60 mm	
BM	6			10		13	

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **90 mm**. If this measurement is reduced to the minimum, the pull-out force increases by **14%** in the case of **compression-proof substrates** and by **19%** in the case of **non compression-proof substrates**. If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved. Place the brackets immediately to the left and right of the arm bearer.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- SD = coverboard
- 71665. = face fixture bracket assembly 60 mm
- 71664. = wall bracket 100 mm



dimensions in mm

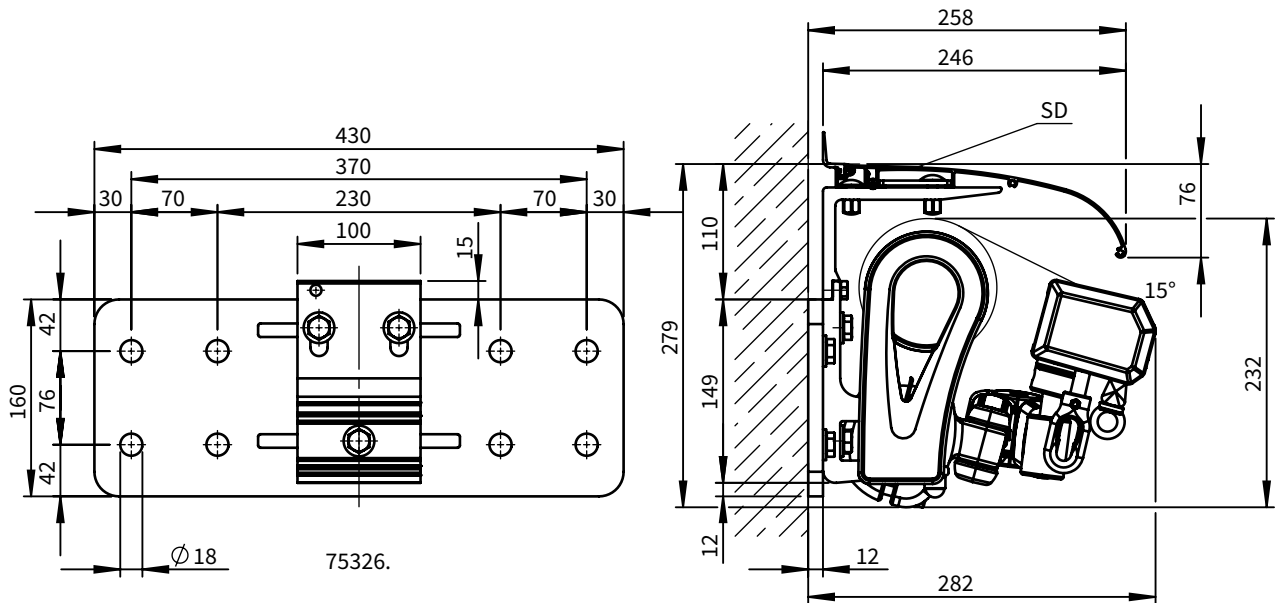
# Face fixture with shadeplus and spreader plate A

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate											
M [cm]											M [cm]											
H [cm]											H [cm]											
FB [N]											FB [N]											
250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700			
150	249	288	327	366	406	445	484	524	563	464	353	409	465	521	577	632	688	744	800	659		
200	387	448	509	570	632	693	754	816	877	745	549	636	724	811	898	985	1072	1159	1246	1059		
250	—	652	740	828	915	1003	1091	1179	1249	1248	—	926	1051	1176	1301	1425	1550	1675	2030	1773		
300	—	—	998	1116	1235	1354	1669	1806	1943	1723	—	—	1418	1586	1755	1924	2372	2567	2761	2448		
350	—	—	—	1459	1613	2009	2188	2368	2129	2295	—	—	—	2073	2292	2855	3110	3365	3026	3262		
HT   BHT	2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm				2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm			
BP	2				2			3				2				2			3			
DP	—				2			2				—				2			2			
BM	16				20			28				16				20			28			

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **76 mm**.  
In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = no. of spreader plates
- DP = no. of spacer plates
- BM = no. of fixing points
- SD = coverboard



dimensions in mm

# Face fixture with shadeplus and spreader plate B

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate

**non compression-proof** substrate

		M [cm]										M [cm]									
		250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
H [cm]	FB [N]																				
150	147	170	194	217	240	263	287	310	333	274	153	178	202	226	250	275	299	323	347	286	
200	229	265	301	338	374	410	446	483	519	441	239	276	314	352	390	428	466	503	541	460	
250	—	386	438	490	542	594	646	698	845	738	—	402	457	511	565	619	673	727	882	770	
300	—	—	590	661	731	801	988	1069	1150	1019	—	—	616	689	762	836	1030	1115	1199	1063	
350	—	—	—	863	954	1189	1295	1401	1260	1358	—	—	—	990	995	1240	1351	1461	1314	1417	

HT   BHT	compression-proof			non compression-proof		
	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm	2   100 mm	2   100 mm 2   60 mm	3   100 mm 2   60 mm

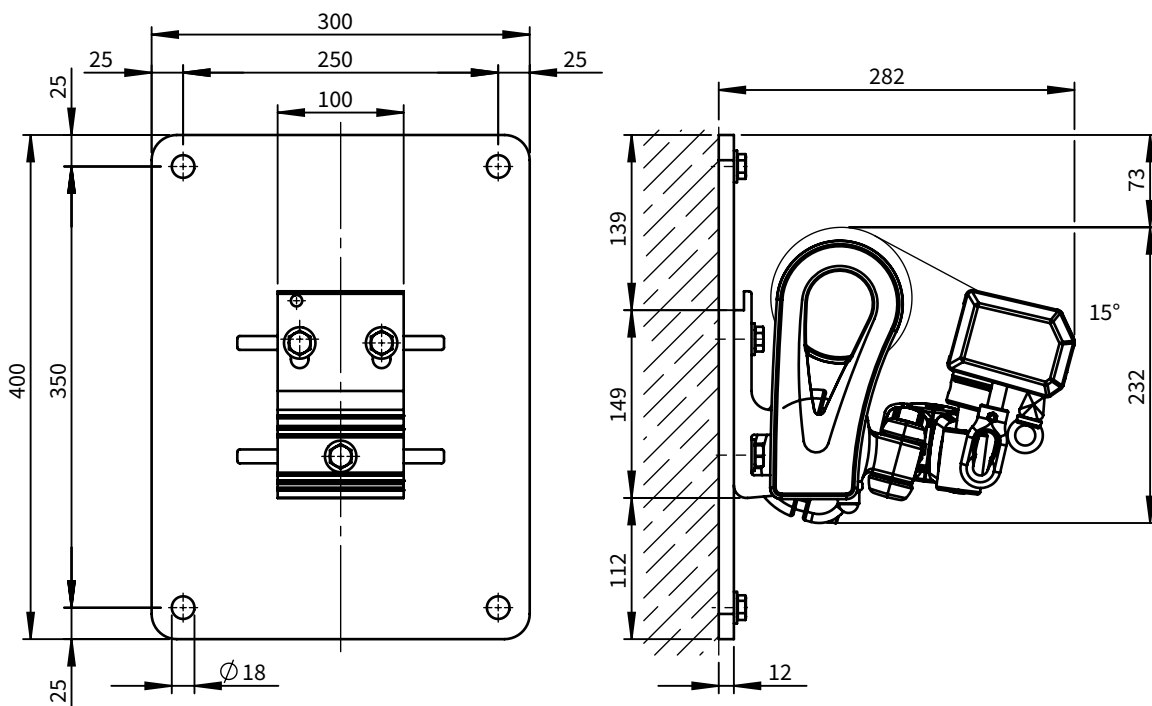
  

BP	compression-proof			non compression-proof		
	2	2	3	2	2	3
DP	—			2	2	2
BM	16	20	28	16	20	28

The pull-out force refers to the vertical centre to centre measurement between the fixture points of **350 mm**.

In the case of spreader plates a washer conforming to DIN 9021 must be used.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BP = Anzahl spreader platen
- DP = no. of spacer plates
- BM = no. of fixing points



dimensions in mm

# Face fixture for shadeplus with stand-off brackets

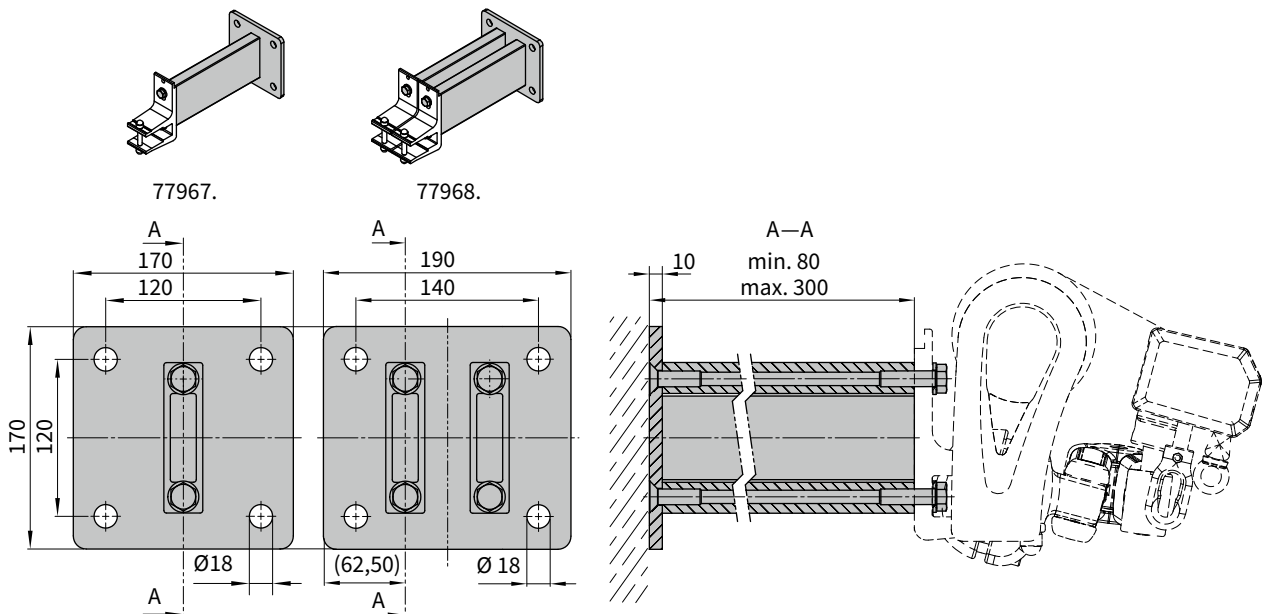
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate											
M [cm]											M [cm]											
H [cm]											H [cm]											
FB [N]											FB [N]											
250	300	350	400	450	500	550	600	650	700		250	300	350	400	450	500	550	600	650	700		
150	450	517	584	651	718	786	853	920	987	812	506	581	657	733	808	884	959	1035	1111	913		
200	678	781	884	987	1089	1192	1295	1398	1501	1274	762	878	994	1110	1226	1341	1457	1573	1689	1433		
250	—	1119	1265	1411	1557	1703	1848	1994	2457	2144	—	1259	1423	1587	1751	1915	2080	2244	2764	2412		
300	—	—	1686	1882	2078	2274	2842	3073	3304	2926	—	—	1897	2117	2338	2558	3197	3457	3716	3292		
350	—	—	—	2442	2695	3397	3697	3996	3591	3869	—	—	—	2747	3032	3822	4159	4496	4040	4353		
HT   BHT	2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm				2   100 mm				2   100 mm 2   60 mm			3   100 mm 2   60 mm			
DH 77968.	2				2			3				2				2			3			
DH 77967.	—				2			2				—				2			2			
BM	8				16			20				8				16			20			

Die Auszugskraft bezieht sich auf den vertikalen Befestigungswitbelabstand von **120 mm**.

Bei spacer plate ist die Unterlegscheibe DIN 9021 einzusetzen.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- DP = no. of stand-off brackets
- 77967. = stand-off bracket for face fixture bracket 71665.
- 77968. = stand-off bracket for 2 pcs. face fixture bracket 71665.



dimensions in mm

# Top fixture

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

**compression-proof** substrate  
M [cm]

**non compression-proof** substrate  
M [cm]

H [cm]	compression-proof substrate										non compression-proof substrate									
	FB [N]										FB [N]									
150	467	541	614	688	762	835	909	983	1056	953	634	733	831	930	1029	1128	1227	1326	1425	1273
200	707	819	930	1041	1152	1264	1375	1486	1597	1461	974	1125	1277	1429	1581	1733	1885	2037	2189	1991
250	—	1181	1338	1496	1653	1810	1968	2125	2589	2403	—	1637	1854	2071	2289	2506	2723	2940	3590	3322
300	—	—	1799	2011	2223	2435	3020	3266	3513	3293	—	—	2505	2800	3094	3388	4209	4552	4895	4579
350	—	—	—	2629	2904	3639	3962	4284	4083	4385	—	—	—	3672	4056	5089	5539	5990	5700	6121
400	—	—	—	—	4191	4600	5009	5418	5141	5485	—	—	—	—	5873	6446	7018	7591	7195	7675

HT   BHT	compression-proof	non compression-proof
HT   BHT	2   90 mm 2   90 mm 2   60 mm	2   90 mm 2   60 mm 3   90 mm 2   60 mm

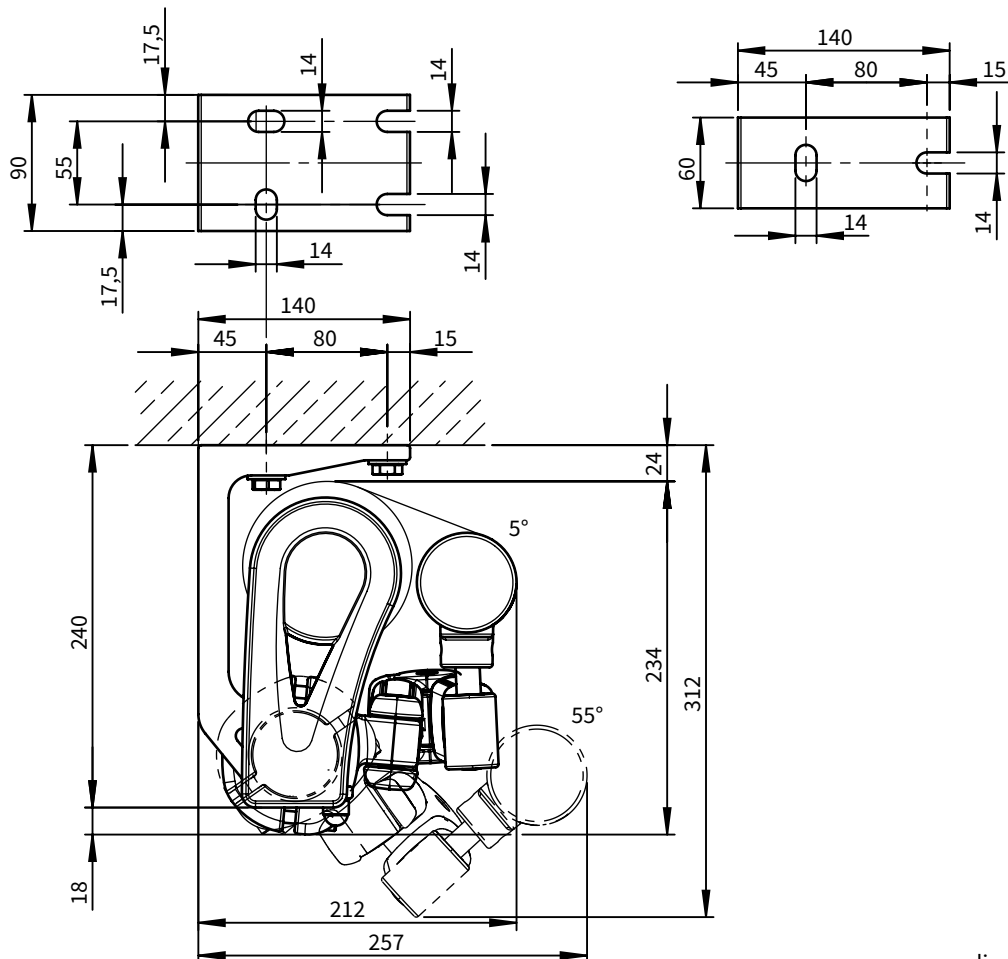
BM	compression-proof	non compression-proof
BM	8 12 16	8 12 16

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of **80 mm**.

If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved.

**11** Place the brackets immediately to the left and right of the arm bearer.

- M = awning width
- H = projection
- FB = pull-out force per fixing point
- HT | BHT = bracket quantity | width
- BM = no. of fixing points
- 71666 = top fixture bracket assembly 90 mm
- 71667 = top fixture bracket assembly 60 mm



dimensions in mm

# Top fixture with shadeplus

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

compression-proof substrate											non compression-proof substrate											
M [cm]											M [cm]											
H [cm]											H [cm]											
FB [N]											FB [N]											
250	300	350	400	450	500	550	600	650	700		250	300	350	400	450	500	550	600	650	700		
150	532	619	705	792	879	965	1052	1139	1226	1093	726	843	960	1078	1195	1312	1429	1547	1664	1472		
200	794	923	1051	1180	1309	1437	1566	1694	1823	1654	196	1273	1449	1626	1802	1979	2155	2331	2508	2264		
250	—	1311	1490	1669	1848	2027	2206	2385	2871	2651	—	1821	2069	2317	2564	2812	3060	3308	3989	3672		
300	—	—	1981	2220	2458	2696	3306	3579	3852	3595	—	—	2763	3094	3425	3756	4613	4993	5374	5006		
350	—	—	—	2872	3178	3943	4296	4649	4413	4743	—	—	—	4015	4442	5518	6011	6505	6166	6627		
HT   BHT	2   90 mm				2   90 mm			3   90 mm				2   90 mm				2   90 mm			3   90 mm			
					2   60 mm			2   60 mm				2   90 mm				2   60 mm			2   60 mm			
BM	8				12			16				8				12			16			

The pull-out force refers to the horizontal centre to centre measurement between the fixture points of **80 mm**.

If the awning is fixed with 2 brackets per folding arm, the pull-out force can be halved.

Place the brackets immediately to the left and right of the arm bearer.

M = awning width

H = projection

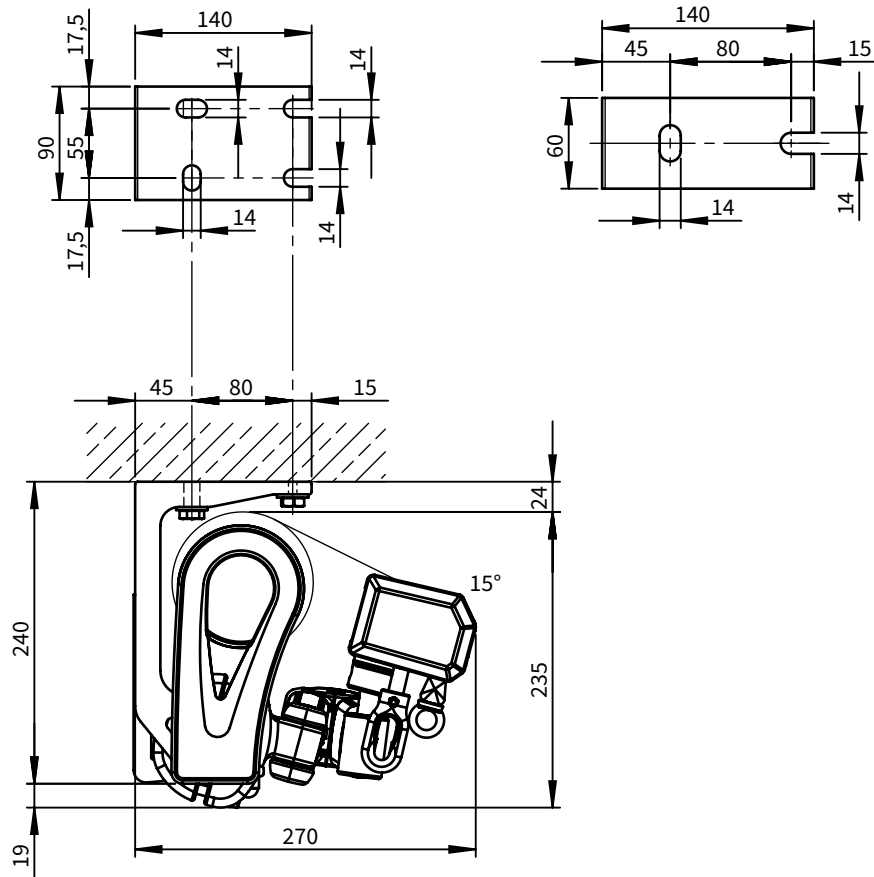
FB = pull-out force per fixing point

HT | BHT = bracket quantity | width

BM = no. of fixing points

71666. = top fixture bracket assembly 90 mm

71667. = top fixture bracket assembly 60 mm



dimensions in mm

# Eaves fixture

Torque value for the bracket in the immediate vicinity of the arm

Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]										Shear force M [cm]																			
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700										
	Md [Nm]										FS [N]																			
150	91	105	119	133	147	161	174	188	202	176	1140	1319	1498	1676	1855	2034	2212	2391	2569	2303										
200	146	168	190	213	235	257	280	302	324	291	1745	2018	2290	2563	2836	3109	3382	3655	3928	3579										
250	—	250	283	315	348	381	414	446	548	504	—	2928	3316	3705	4094	4482	4871	5260	6419	5945										
300	—	—	387	432	477	522	651	704	757	705	—	—	4473	4999	5525	6051	7512	8126	8739	8180										
350	—	—	—	572	631	794	864	934	886	951	—	—	—	6550	7235	9074	9878	10682	10169	10921										
400	—	—	—	—	922	1011	1101	1191	1125	1200	—	—	—	—	10467	11487	12507	13528	12828	13683										
HT	2					4					5					2					4					5				
BM	8				16				20		8				16				20											

The shear force is calculated on the basis of 2 fixing points per bracket, because – depending on the roof pitch – it cannot be guaranteed that 4 fixing points per bracket can be used.

11

M = awning width

H = projection

Md = torque value for the bracket in the immediate vicinity of the arm

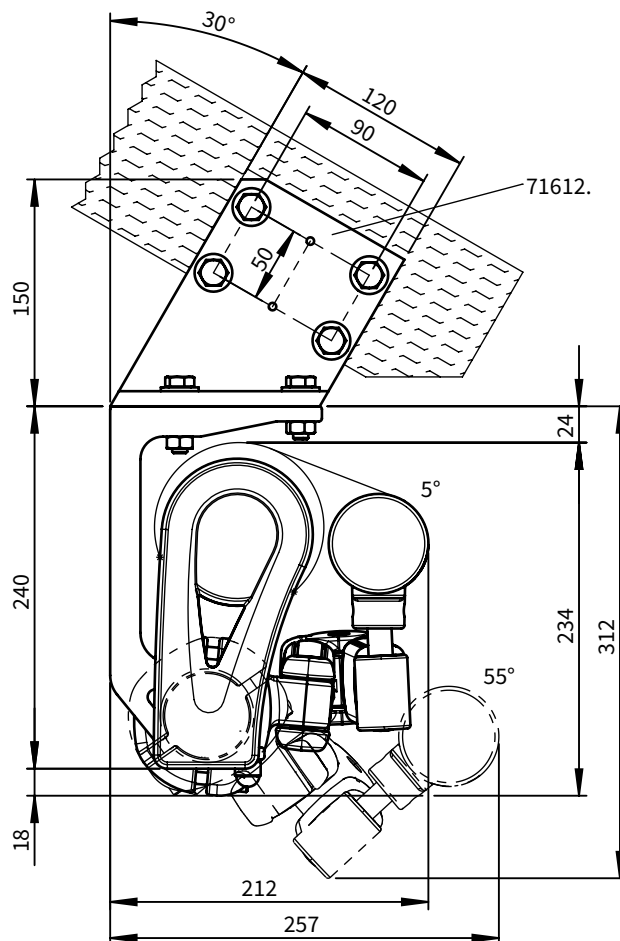
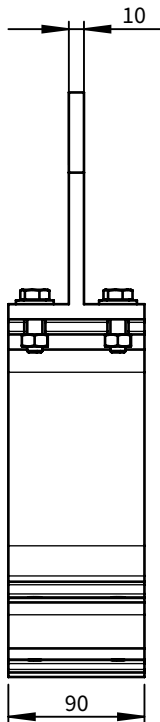
HT = no. of brackets

FS = shear force

BM = no. of fixing points

71612. = eaves fixture 150 mm

71667. = top fixture 60 mm



dimensions in mm

### Eaves fixture with additional spreader / backing plate

Torque value for the bracket in the immediate vicinity of the arm

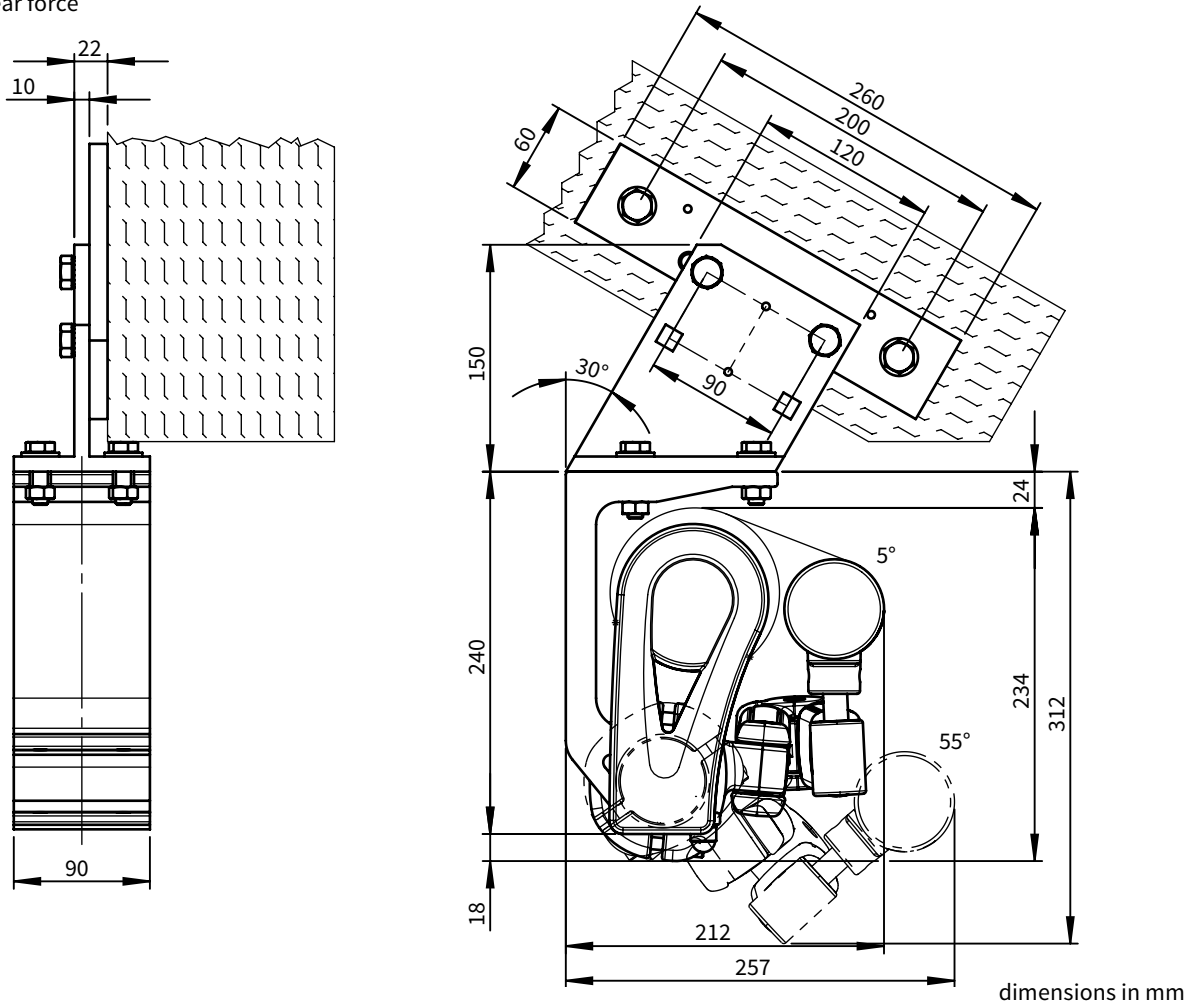
Pull-out force [N=Newton] per upper fixing point according to EN 13561, wind resistance class 2

H [cm]	Torque M [cm]										Shear force M [cm]									
	250	300	350	400	450	500	550	600	650	700	250	300	350	400	450	500	550	600	650	700
	Md [Nm]										FS [N]									
150	91	105	119	133	147	161	174	188	202	176	582	676	770	864	958	1053	1147	1241	1335	1229
200	146	168	190	213	235	257	280	302	324	291	854	990	1127	1264	1400	1537	1673	1810	1946	1803
250	—	250	283	315	348	381	414	446	548	504	—	1400	1589	1777	1966	2155	2343	2532	3067	2868
300	—	—	387	432	477	522	651	704	757	705	—	—	2109	2360	2610	2860	3532	3822	4111	3873
350	—	—	—	572	631	794	864	934	886	951	—	—	—	3058	3379	4221	4596	4972	4755	5107
400	—	—	—	—	922	1011	1101	1191	1125	1200	—	—	—	—	4834	5307	5780	6253	5951	6350
HT	2				4				5		2				4				5	
BM	4				8				10		4				8				10	

By using the additional flat fixture plate, the shear force is reduced in comparison with conventional eaves fixture.

- M = awning width
- H = projection
- Md = torque value for the bracket in the immediate vicinity of the arm
- HT = no. of brackets
- FS = shear force

- BM = no. of fixing points
- 71612. = eaves fixture bracket
- 71667. = top fixture bracket assembly 60 mm
- 75383. = spreader / backing plate assembly eaves fixture



01 Face fixture with manual operation

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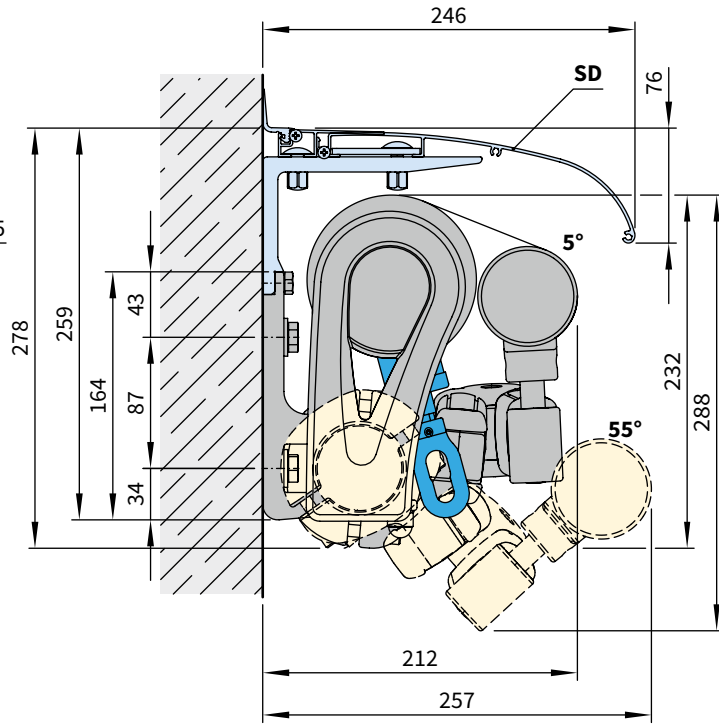
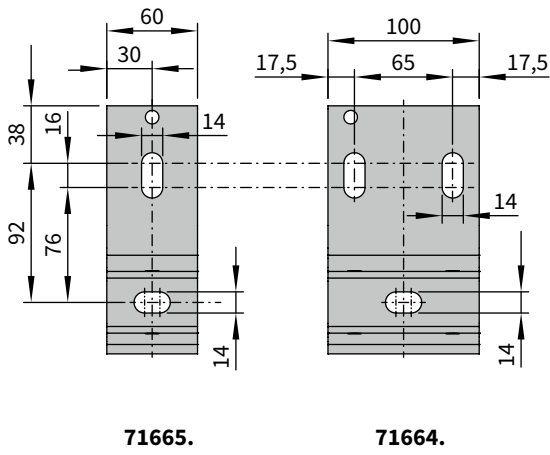
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dimensions in mm

# Pitch adjustment gear

Ideal for additional solar protection on the balcony

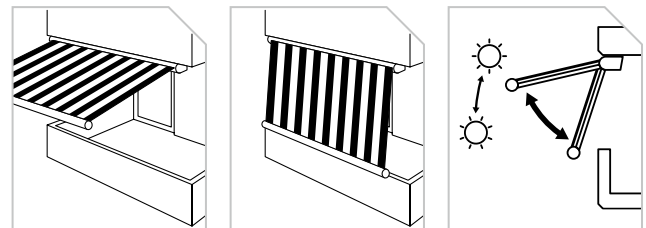
Up to a projection of 300 cm and with the awning extended, 2 folding arms can be raised or lowered easily and noiselessly between the angles of 4° and 54° or 35° and 85° by means of a winding handle (only gearbox operated).

The eye used to alter the pitch of the awning is attached directly to the gearbox, which can be positioned optionally on the left or the right. All the components needed to adjust the pitch of the awning are hidden away inside the torque bar and so protected from the elements.

A fine tuning mechanism enables the arms to be levelled with ease.

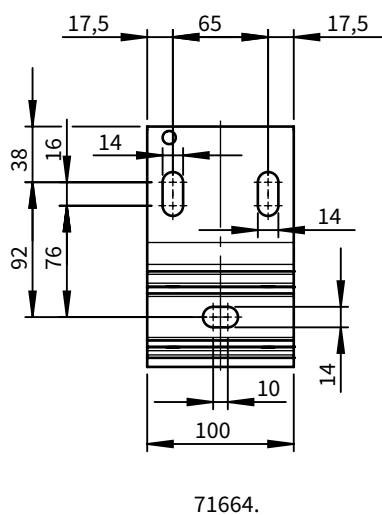
The pitch adjustment gear is supplied in white with white awnings and in black with any other colour.

**Attention! The pitch adjustment gear may only be operated when the awning is extended. Attempting to adjust the pitch with the awning closed, may cause the system to malfunction!**



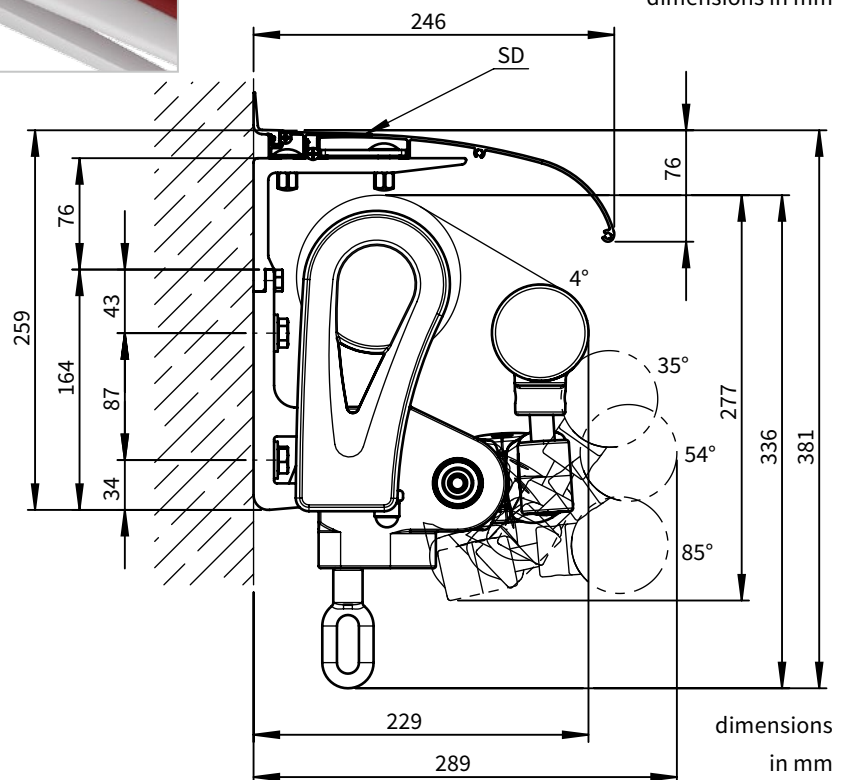
		M min.	
		⊖	+
H	150	200	200
	200	250	238
	250	300	288
	300	350	338

dimensions in mm



71664.

SD = coverboard



dimensions in mm

= standard folding arms

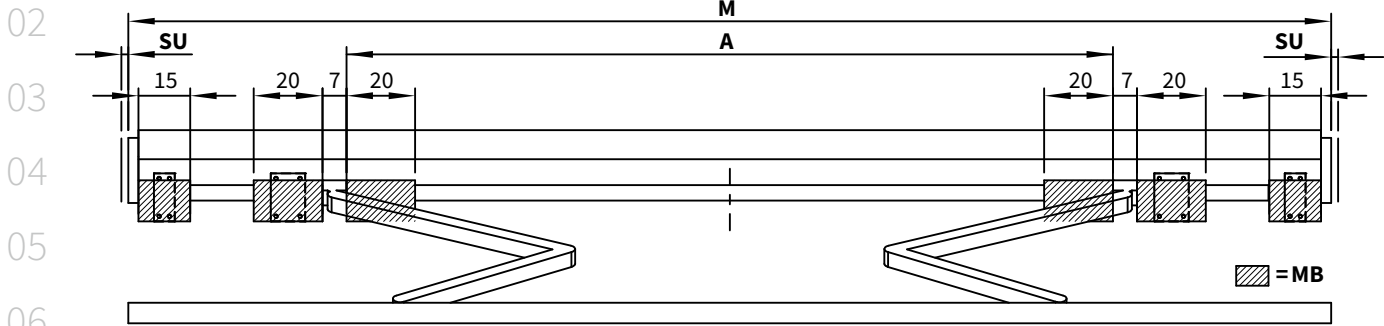
= bespoke arms

M min. = minimum widths

H = projection

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01 **Bracket fixture range for awnings with 2 folding arms**



dimensions in cm

M [cm]	SB →	250	300	350	400	450	500	550	600	650
	ZB →	167–250	251–300	301–350	351–400	401–450	451–500	501–550	551–600	601–650

H [cm] ↓	A [cm]									
150	156	206	240	275	310	345	375	415	450	
200	206*	206	240	275	310	345	375	415	450	
250	—	256*	256	275	310	345	375	415	450	
300	—	—	306*	306	310	345	375	415	450	
350	—	—	—	356*	356	375	375	415	—	—
400	—	—	—	—	406*	406	406	415	—	—

dimensions in cm

W	BHT ↓	HT ↓	
	60 mm	—	2
	100 mm	2	2

DE	60 mm	—	2
	90 mm	2	2

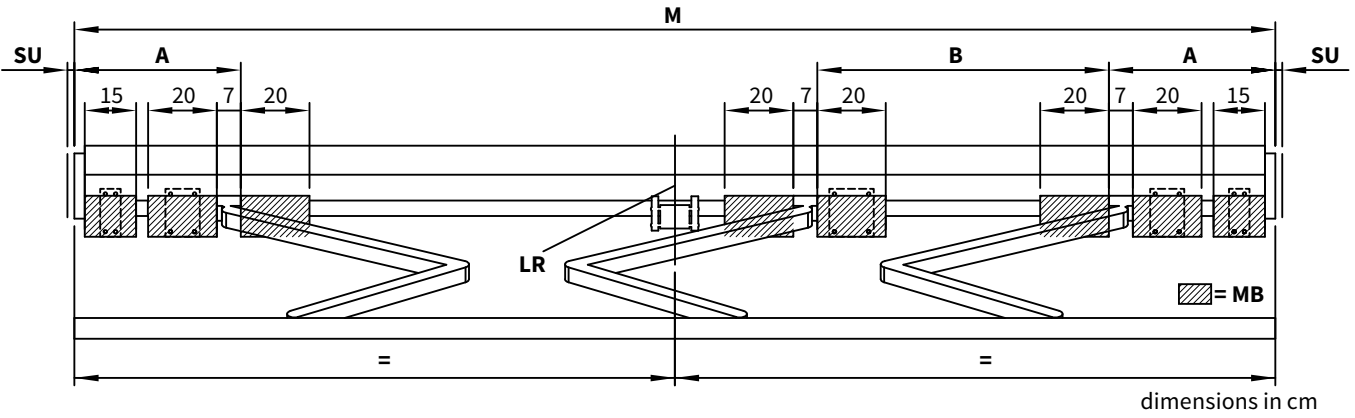
DA	90 mm	2	4
----	-------	---	---

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!

\* = Please note the minimum widths! Dimension **A** is only valid for standard arms (in the case of bespoke arms: **A** – 13 cm). In the case of small awnings the brackets can only be fitted inside the arms, i.e. the position denoted by measurement **A**.

- M = awning width
- H = projection
- A = arm position
- HT = no. of brackets
- BHT = bracket width
- MB = bracket fixture range
- W = face fixture
- DE = top fixture
- DA = eaves fixture
- SB = standard width
- ZB = intermediate width
- SU = coverboard overhang 2 cm

### Bracket fixture range for awnings with 3 folding arms



M [cm]	SB →	650			700	
	ZB →	601–613	614–650	640–650	651–674	675–700

H [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	A [cm] ↓	B [cm] ↓	KM [cm]
150	—	—	—	—	—	—	55	240	55	240	266
200	—	—	—	—	—	—	55	225	55	225	341
250	—	—	—	—	—	—	55	210	55	210	416
300	—	—	—	—	—	—	55	200	55	200	491
350	29	180	30	190	—	—	50	190	55	190	566
400	—	—	—	—	12*	204*	17	204	30	204	640

dimensions in cm

W	BHT ↓	HT ↓
	60 mm	2
	100 mm	3

DE	60 mm	2
	90 mm	3

DA	90 mm	5
----	-------	---

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form!

- \* = The 2 × 60 mm brackets cannot be fitted in this instance and are not supplied
- M = awning width
- H = projection
- A = arm position
- B = arm position
- HT = no. of brackets
- BHT = bracket width
- MB = bracket fixture range
- W = face fixture
- DE = top fixture
- DA = eaves fixture
- SB = standard width
- ZB = intermediate width
- LR = a rolltex bearing with accompanying bracket is always placed under a central seam (depends on the awning size)
- SU = coverboard overhang 2 cm
- KM = minimum awning width

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01 **Cable exit**

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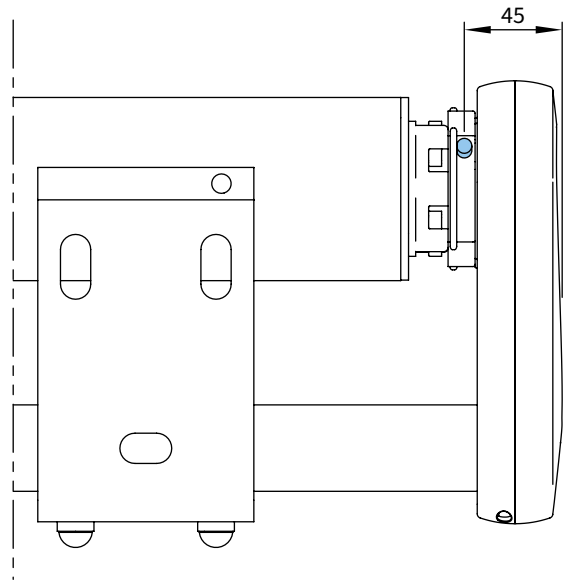
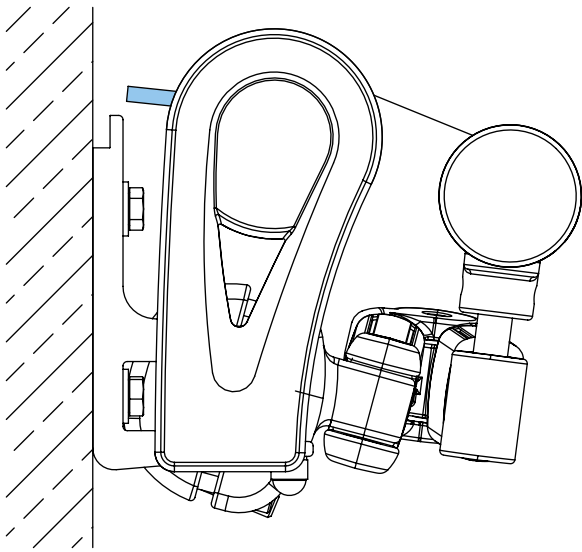
**11**

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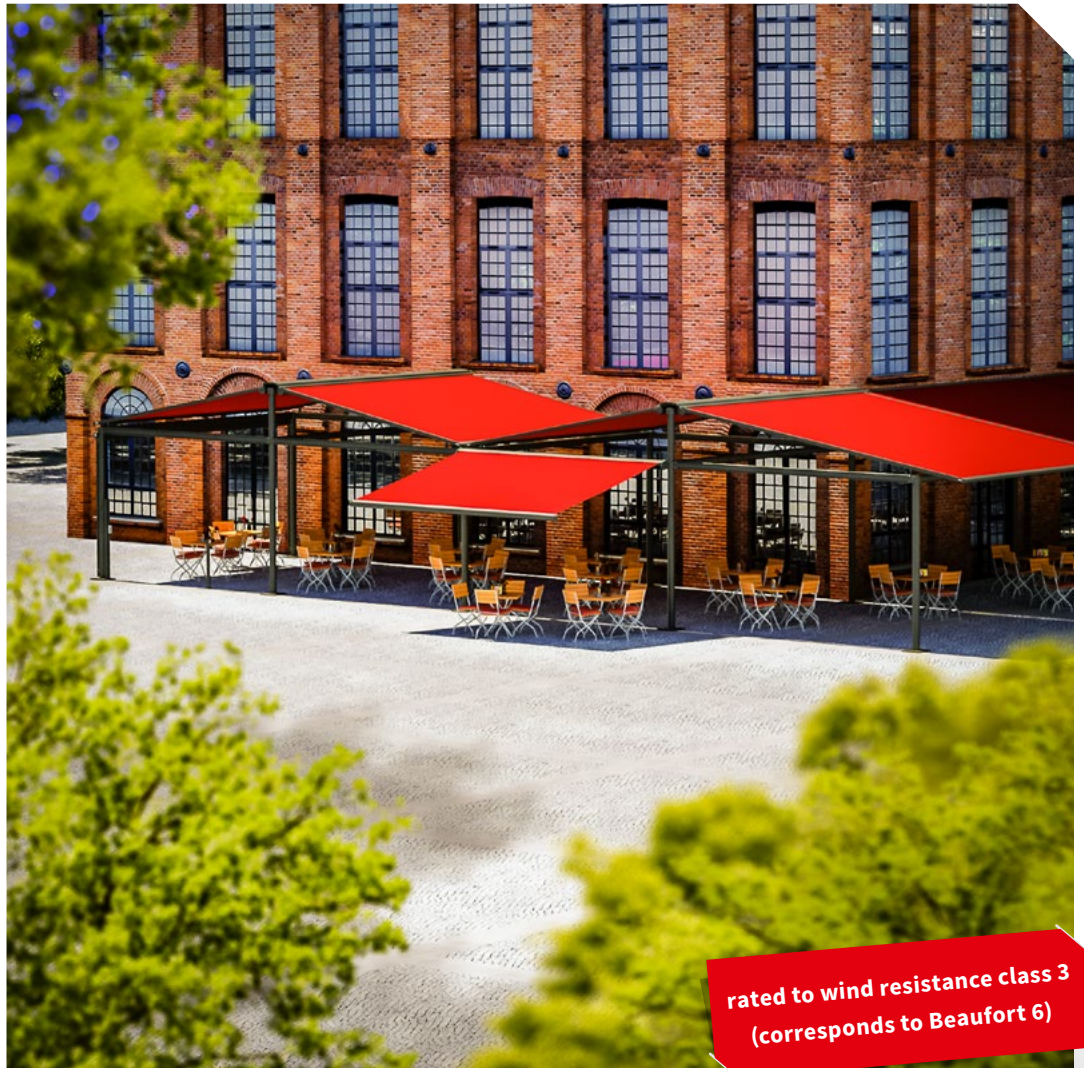
13

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dimensions in mm

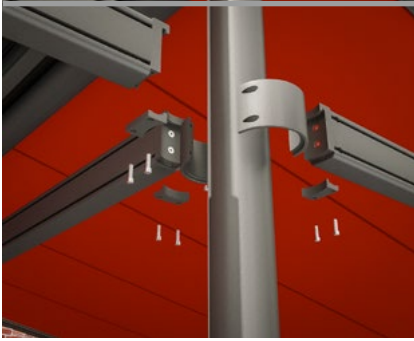


rated to wind resistance class 3  
(corresponds to Beaufort 6)

## **markilux** RS-2

**More free space, opening up boundless possibilities**

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Detailed view with 3 crossbars on one post - freely positionable in height

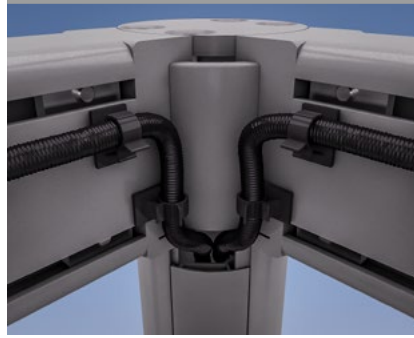


Almost limitless individual design possibilities.

markilux 8800 as roof shade and markilux 876 as vertical awning



Superb sun and weather protection with a large modular frame system - perfect for the hospitality sector or even in private gardens.



Attractive appearance, reliable technology: convenient layout of electric cables through maintenance ducts in the posts (cable brackets optional)

**12**

**Design Features**

The frame system markilux RS-2 is a modular and flexible system which unites design and function

Limitless diversity of individual design possibilities through modular construction

Maximum flexibility through free-standing frame system

Can be combined with all suitable markilux shade systems

clean lines, elegant and modern design

Posts can be selected in round or square design

Available in seven standard frame colours at no extra charge

**Technical Specification**

With a field width of up to 700 cm and a maximum post height of 450 cm, highly individual awning landscapes can be realised

The clamp rings that connect the posts and the crossbars are freely positionable in height.

Aluminium posts on concrete foundations provide stability

rated to wind resistance class 3 (corresponds to Beaufort 6)

Controlled water drainage via the awnings

Free-standing assembly; can also be fixed to a wall on one side.

**Accessories**

Perfect sun and weather protection tailored to size with a multitude of awning models, covers and additional features

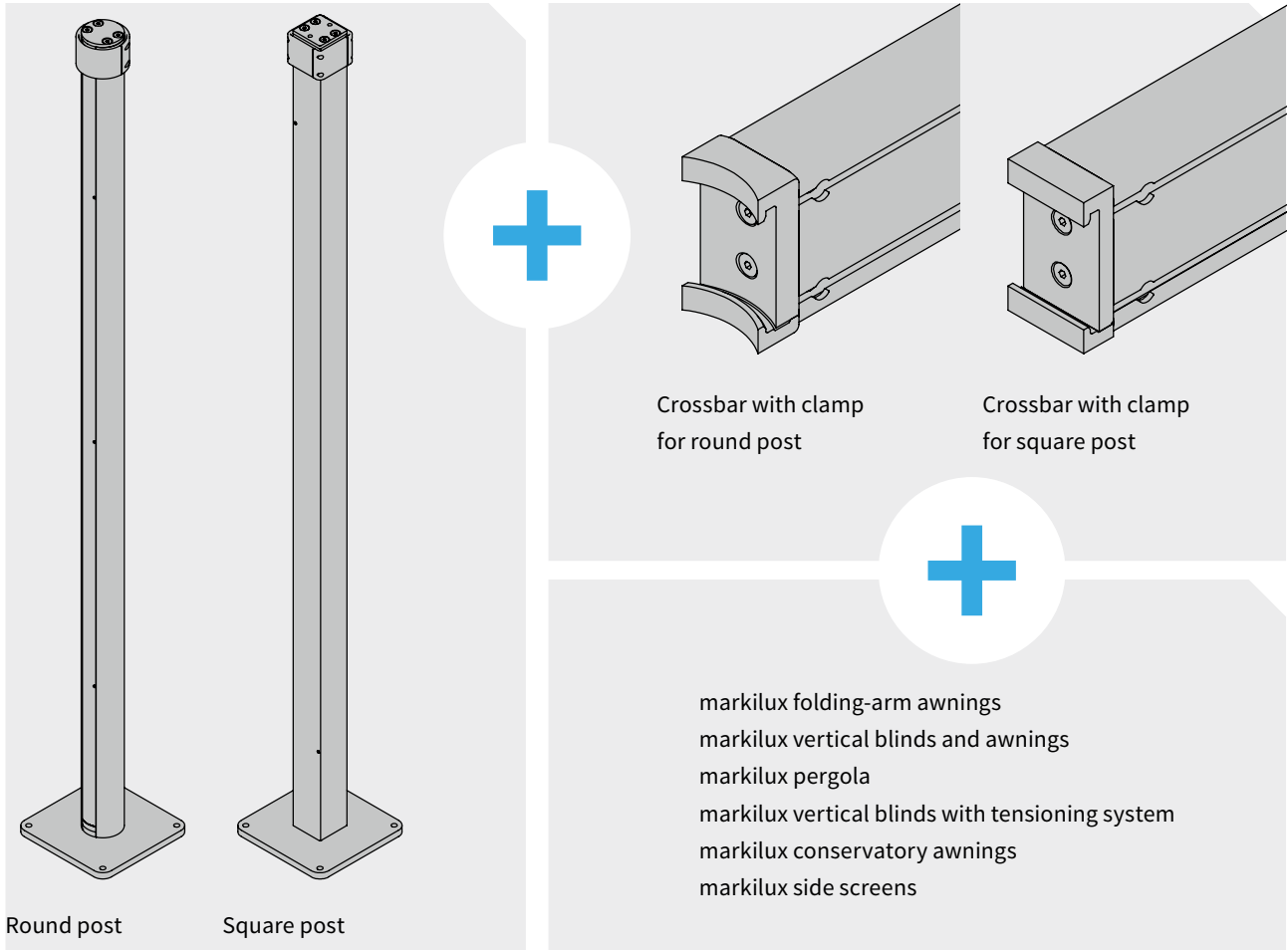
Optionally available with markilux heaters and markilux spotlight

frame available in non-standard RAL colours

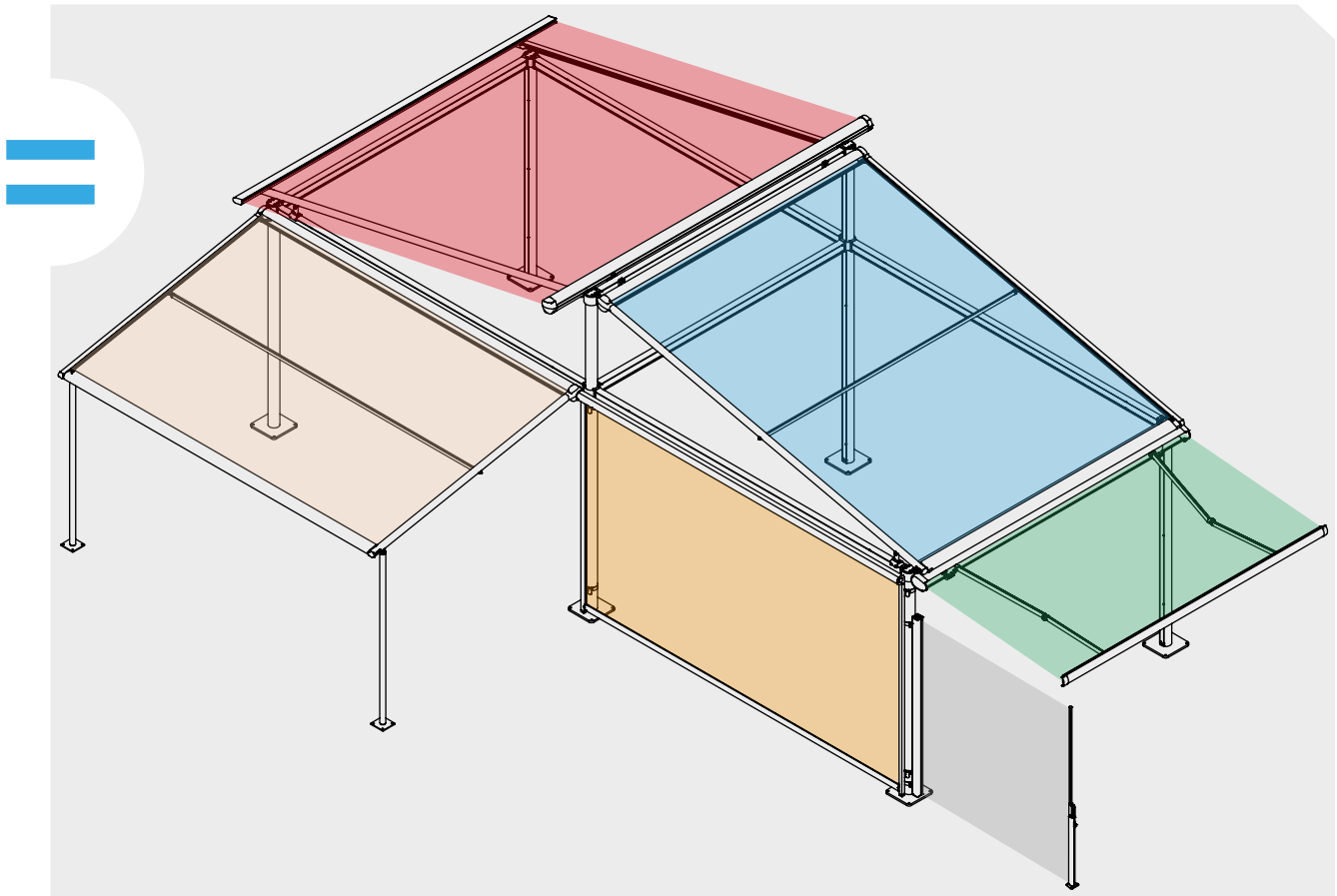
Posts available in intermediate heights

Attractively shaped foot plate covers









# System configuration



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## Frame colours

		standard	optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown, similar to	RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish

## Additional information

If the awning width (**M**) is larger than the crossbar width (**QB**), a larger distance results from the rear side of the awning to the crossbar.

For assembly, additional fixtures and brackets are to be used (see "Fixtures and accessories" and the "Dimensions overview" pages)

### Planning permission

**Caution:** Please observe that shade systems may be subject to compulsory planning permission regulations depending on the region!

## 12

### markilux planning service for shading systems for large areas

In case of larger construction projects, markilux can offer comprehensive planning support on request. Based on dimension data and photographs of the area to be designed, the following services can be performed on request:

- *Photorealistic presentation of the shading system in colour, optionally also as a 3D visualisation*
- *Suggestions on special solutions*
- *Preparation of technical drawings as solution suggestions – can also be used for building permits*
- *Further consultation services up to final issue of order*

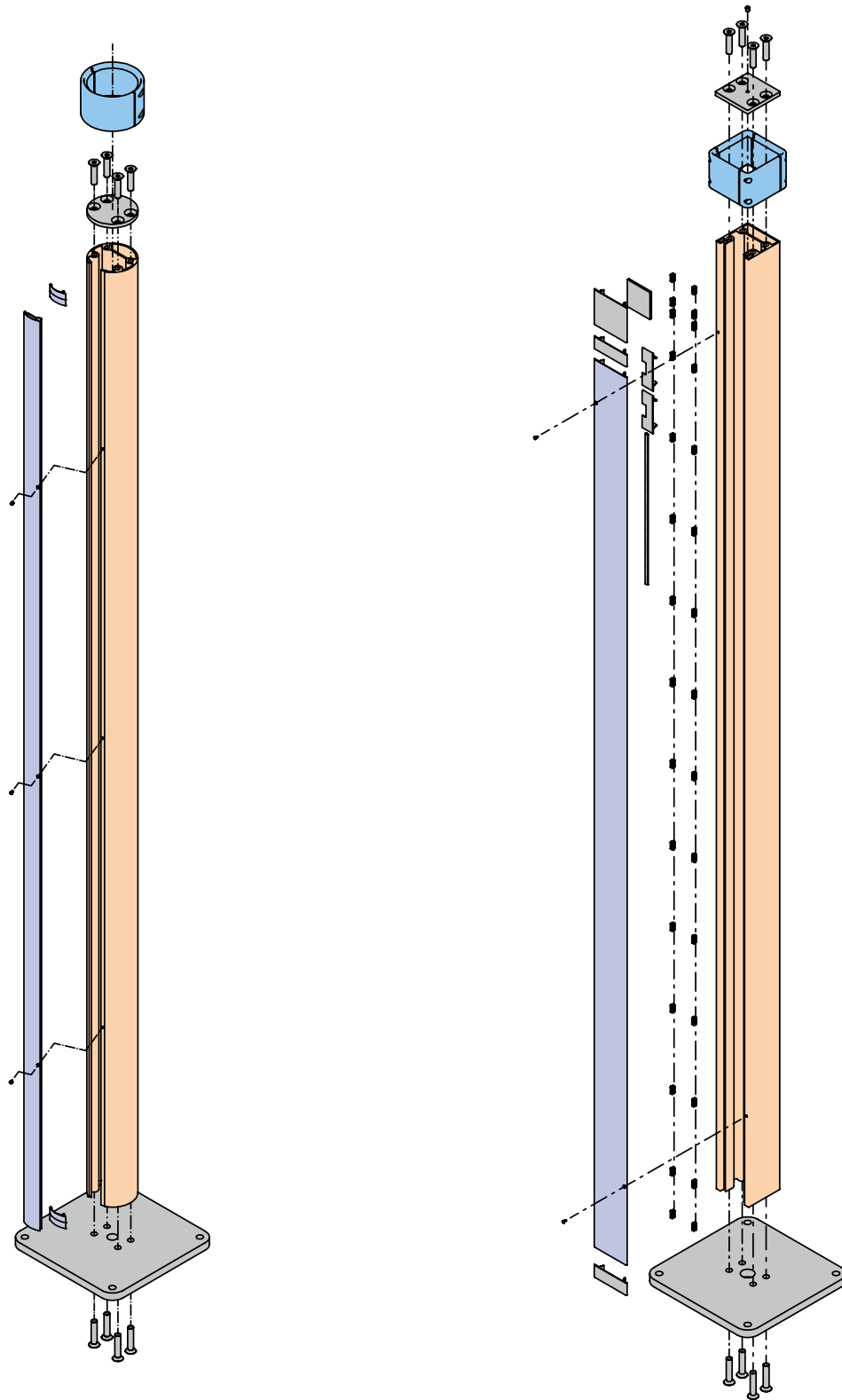
**The realistic photomontage and the detailed technical presentation increase the quality of on-site consultation and the chances of success!**

# markilux RS-2 post with base plate and clamp ring

Round post with base plate and clamp ring

square post with base plate and clamp ring

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**support post height**

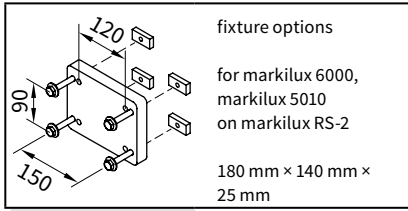
standard: 3180 mm

max.: 4500 mm

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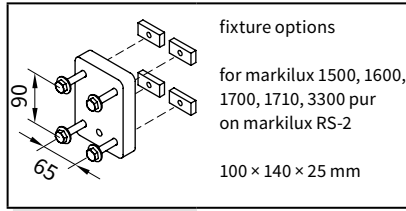
# Fixtures, fittings and accessories

## Fixtures



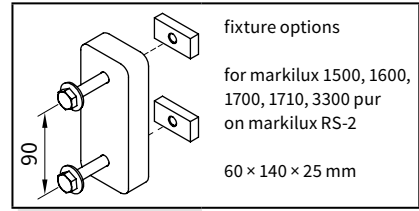
fixture options  
for markilux 6000,  
markilux 5010  
on markilux RS-2  
  
180 mm × 140 mm ×  
25 mm

**76913.**



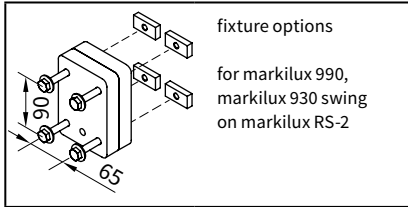
fixture options  
for markilux 1500, 1600,  
1700, 1710, 3300 pur  
on markilux RS-2  
  
100 × 140 × 25 mm

**76914.**



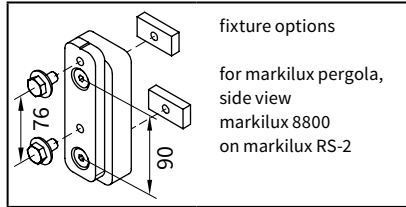
fixture options  
for markilux 1500, 1600,  
1700, 1710, 3300 pur  
on markilux RS-2  
  
60 × 140 × 25 mm

**76915.**



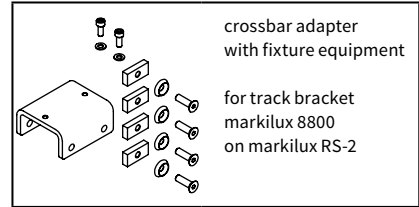
fixture options  
for markilux 990,  
markilux 930 swing  
on markilux RS-2

**76916.**



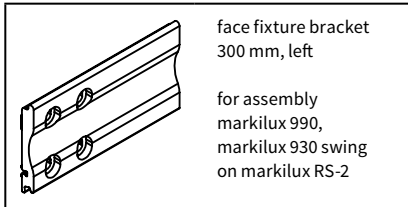
fixture options  
for markilux pergola,  
side view  
markilux 8800  
on markilux RS-2

**76917.**



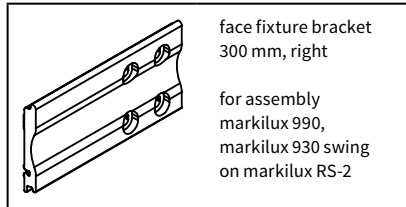
crossbar adapter  
with fixture equipment  
  
for track bracket  
markilux 8800  
on markilux RS-2

**73441.**



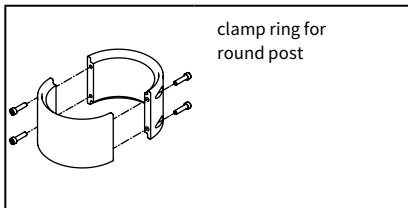
face fixture bracket  
300 mm, left  
  
for assembly  
markilux 990,  
markilux 930 swing  
on markilux RS-2

**70617.**



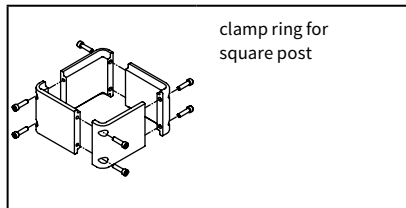
face fixture bracket  
300 mm, right  
  
for assembly  
markilux 990,  
markilux 930 swing  
on markilux RS-2

**70600.**



clamp ring for  
round post

**76820.**



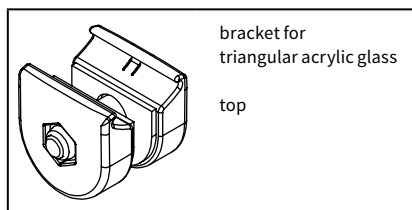
clamp ring for  
square post

**72301.**

. = insert RAL colour code no

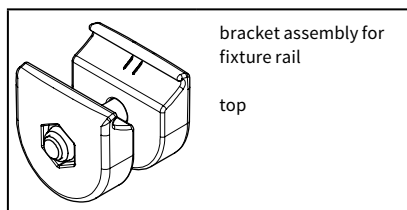
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**Fixtures**



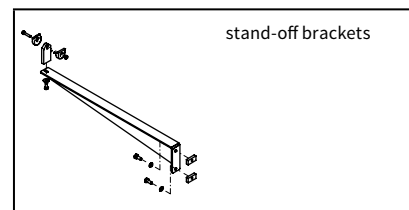
bracket for  
triangular acrylic glass  
top

**79571.**



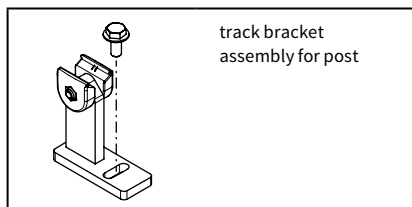
bracket assembly for  
fixture rail  
top

**72910.**



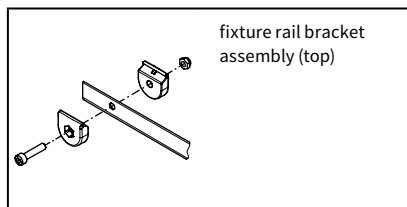
stand-off brackets

**73996.**



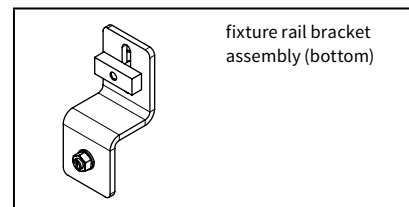
track bracket  
assembly for post

**73446.**



fixture rail bracket  
assembly (top)

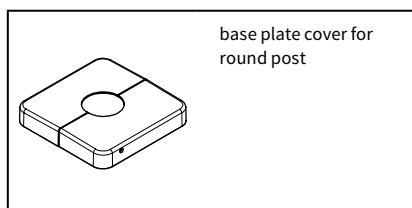
**72911.**



fixture rail bracket  
assembly (bottom)

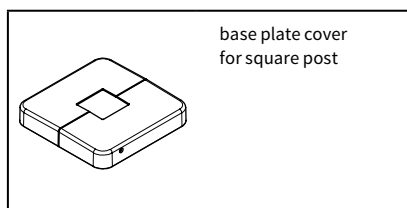
**72914.**

**Accessories**



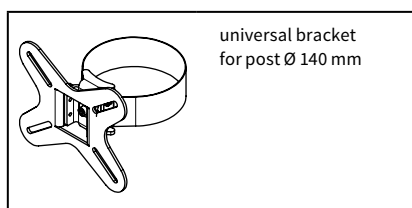
base plate cover for  
round post

**72263.**



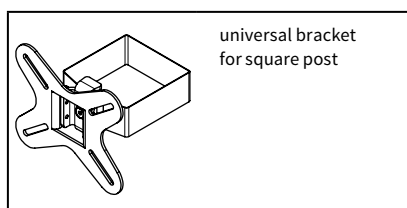
base plate cover  
for square post

**72261.**



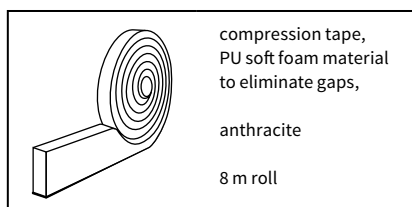
universal bracket  
for post Ø 140 mm

**79559.**



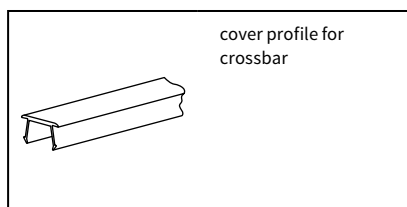
universal bracket  
for square post

**72238.**



compression tape,  
PU soft foam material  
to eliminate gaps,  
anthracite  
8 m roll

**795721**



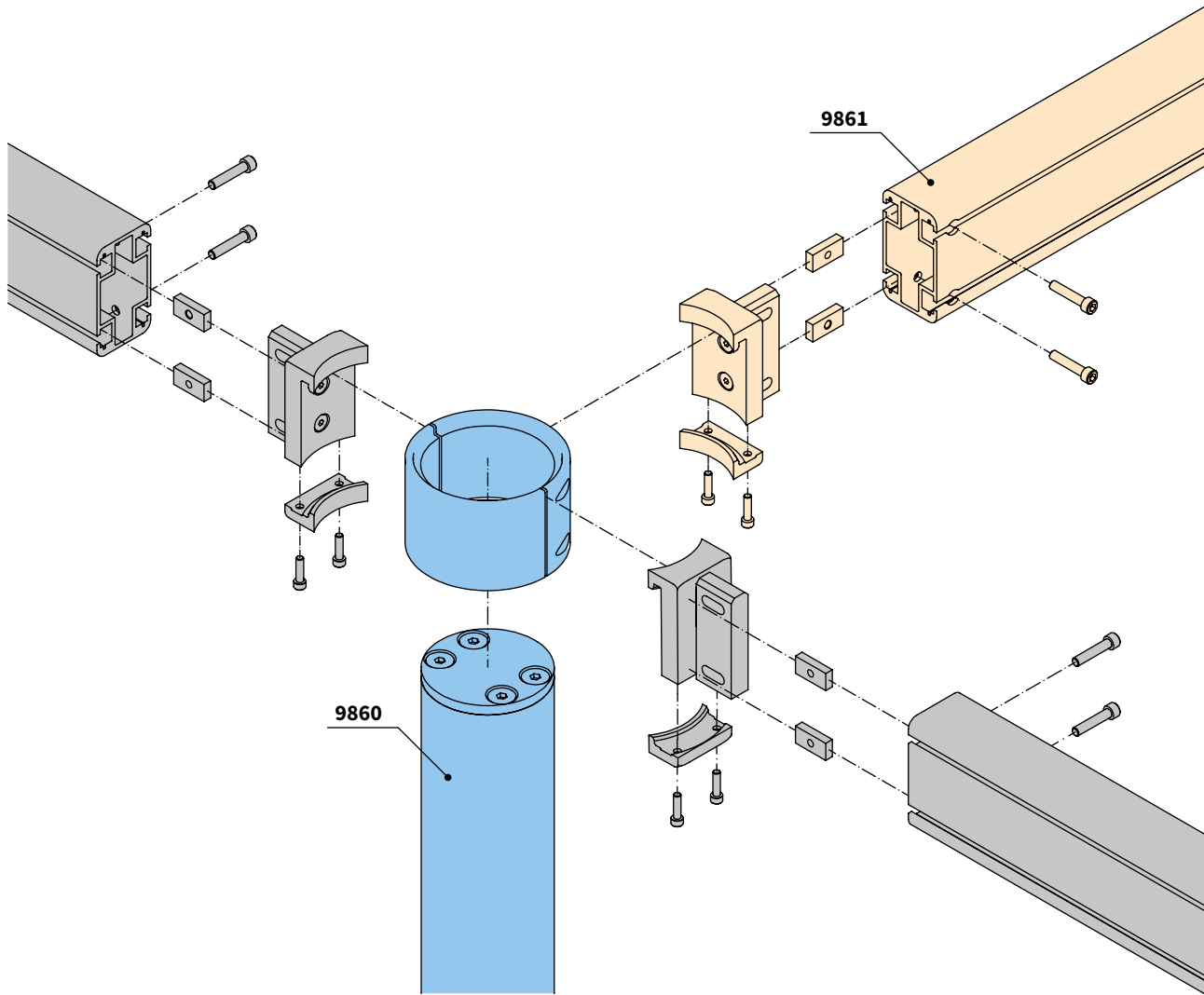
cover profile for  
crossbar

**77768.**

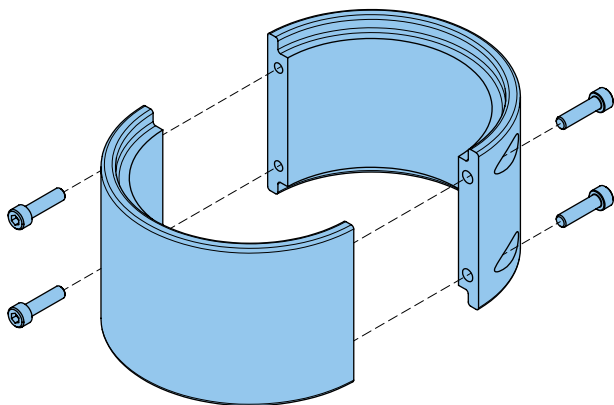
. = insert RAL colour code no

01 **Clamp ring with three crossbars on a round post**

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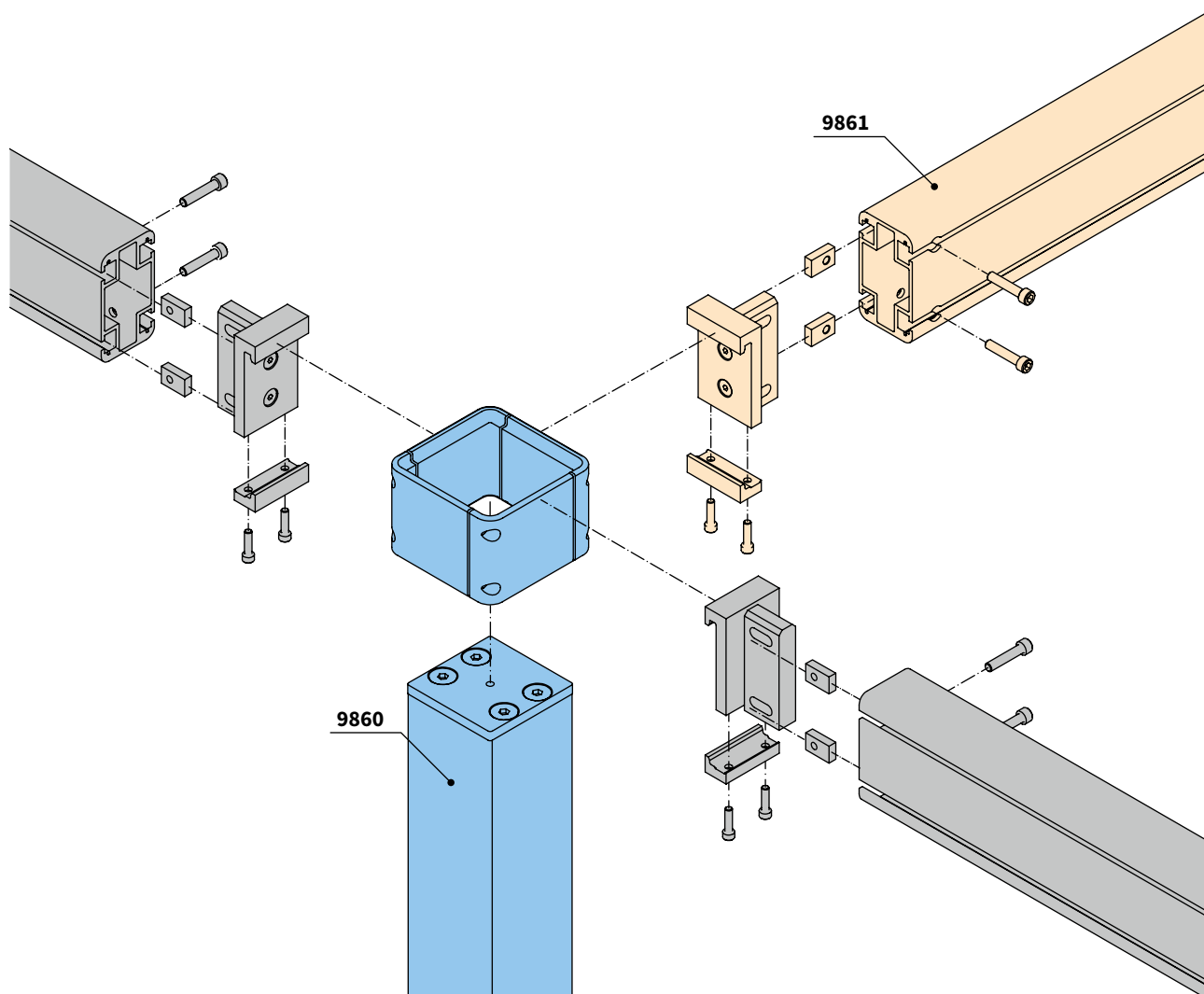


**76820. Clamp ring for round post**

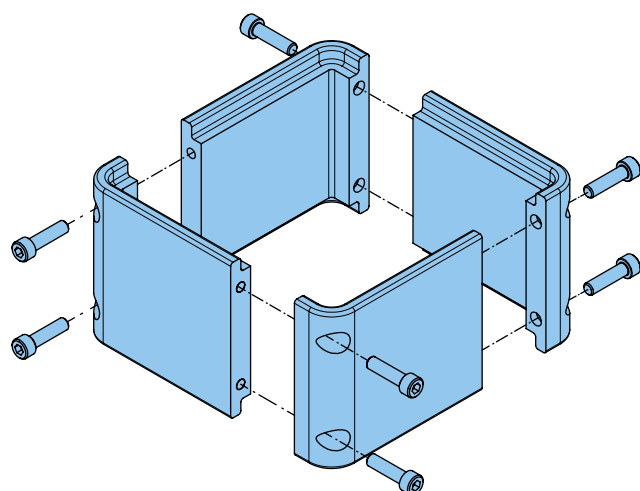


- 9860 = post incl. base plate and clamp ring
- 9861 = crossbar including clamp ring
- 76820. = clamp ring for round post

### Clamp ring with three crossbars on a square post



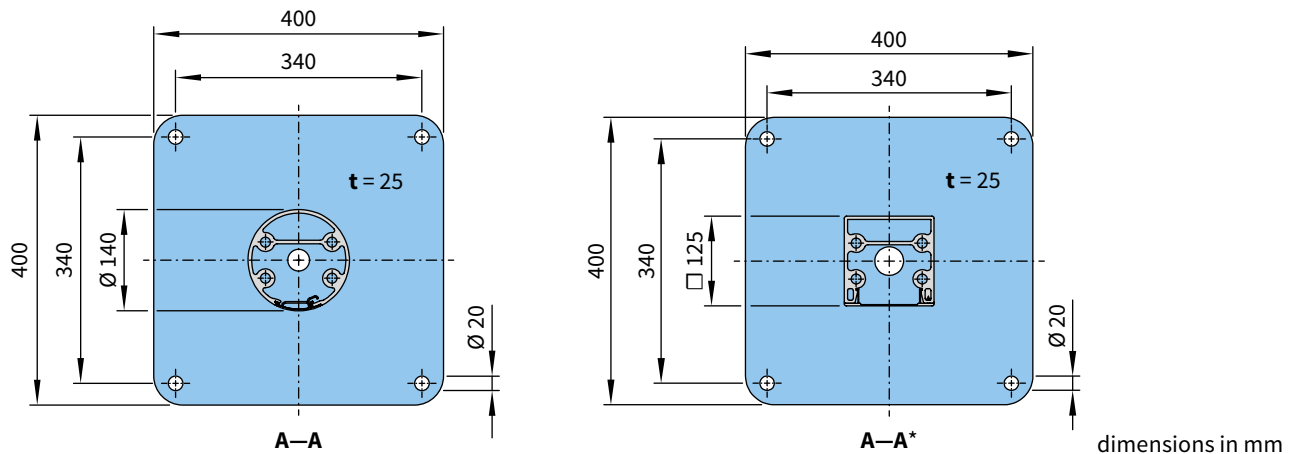
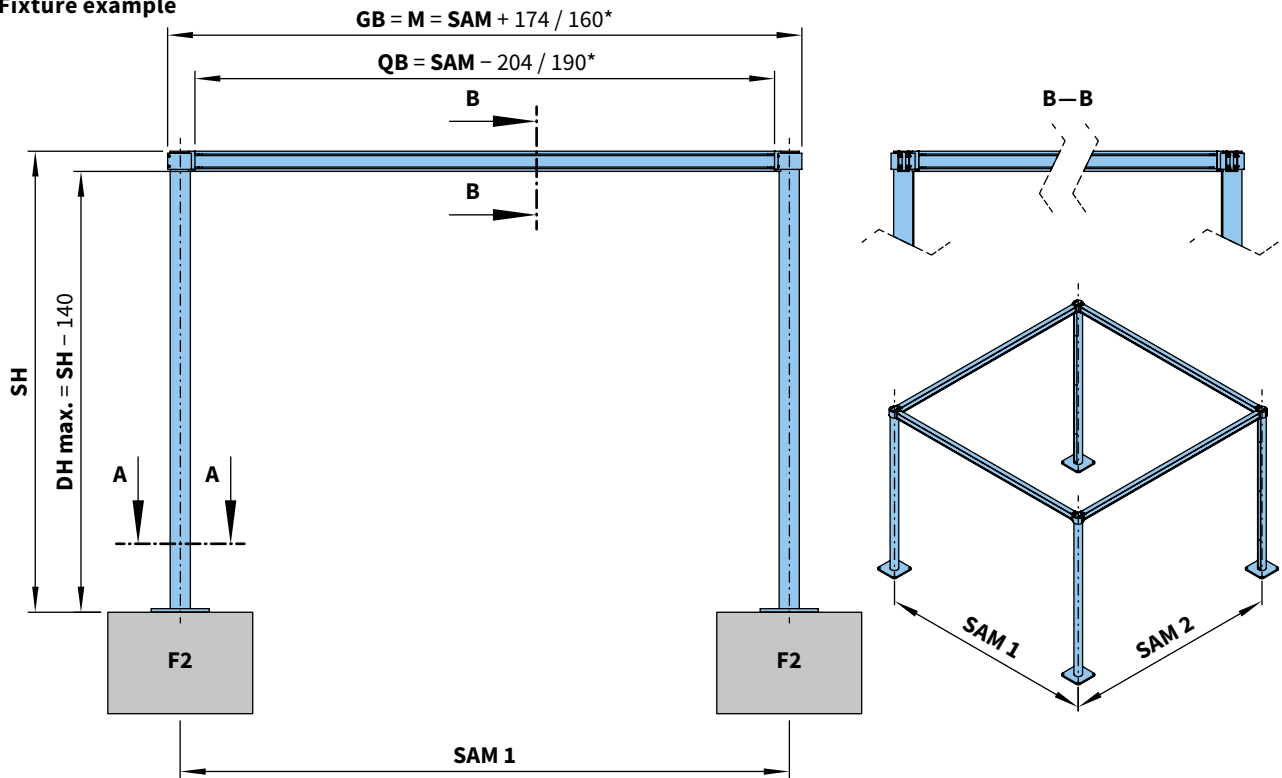
### 72301. Clamp ring for square post



- 9860 = post incl. base plate and clamp ring
- 9861 = crossbar including clamp ring
- 72301. = clamp ring for square post

# Dimension overview markilux RS-2, 1 field, free-standing

Fixture example



**On site the following have to be prepared as per drawing below every post:**

- Concrete foundations (F2) with compressive strength C25/30 (previously B25) with rebar matting basket made of rebar matting Q188
- Base plates to be fixed on concrete foundations (F2) using Fischer A4 stainless steel anchor bolts FAZ II 16/50 and a washer certified to DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!

\* = information on square posts

A—A = in cross section

B—B = in cross section

BG = armoured cage made from rebar matting Q188

DH = headroom

F2 = concrete foundations Type 2

GB = total width = M = SAM + 174 / 160\* mm

M = overall awning width

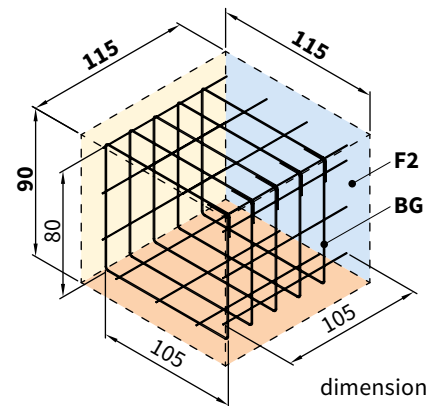
QB = length of cross beam in cm

(max. length = 7000 mm) = SAM - 204 / 190\* mm

SAM = order dimensions = Central post distance dimensions

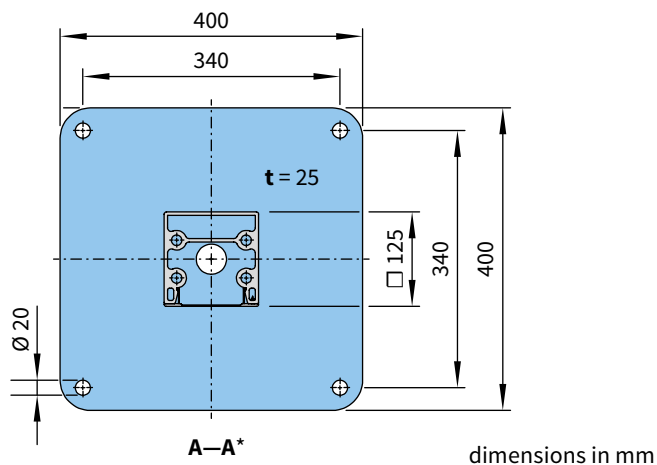
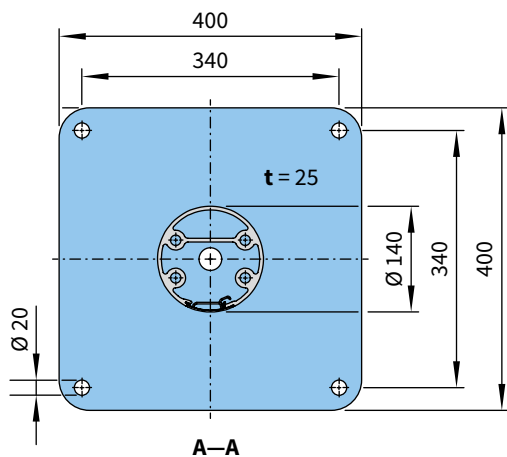
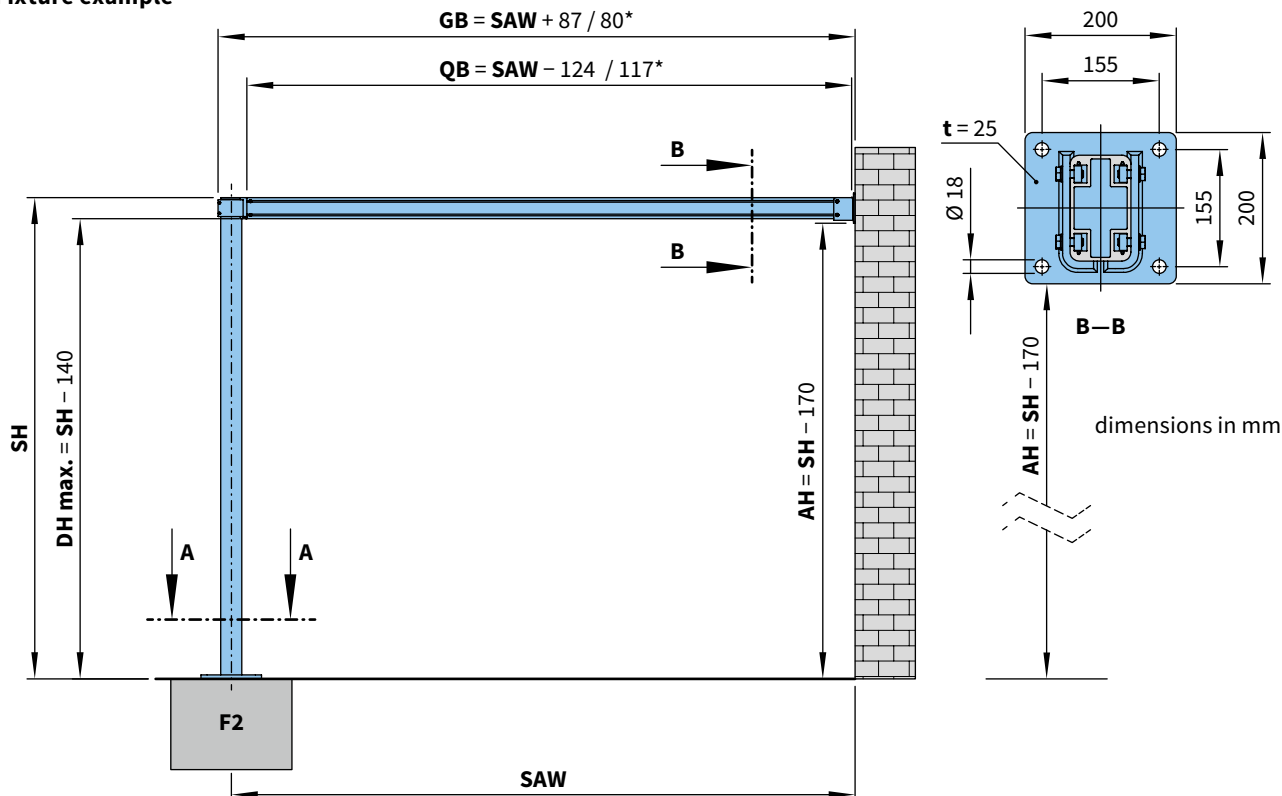
SH = post height (standard 3180 mm / max. 4500 mm)

t = material thickness



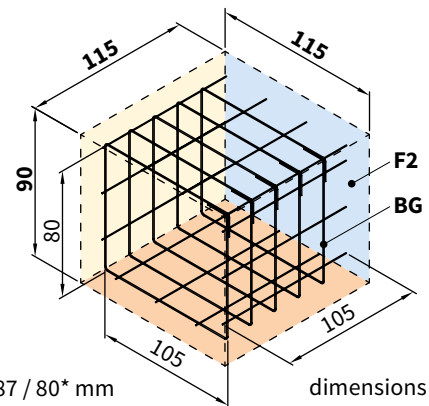
# Dimension overview markilux RS-2, wall connection

Fixture example



**On site the following have to be prepared as per drawing below every post:**

- Concrete foundations (F2) with compressive strength C25/30 (previously B25) with rebar matting basket made of rebar matting Q188
- Base plates to be fixed on concrete foundations (F2) using Fischer A4 stainless steel anchor bolts FAZ II 16/50 and a washer certified to DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!



\* = information on square posts

A-A in cross section

B-B in cross section

AH = fixture height = SH - 170 mm

BG = armoured cage made from rebar matting Q188

DH = headroom

F2 = concrete foundations Type 2

GB = total width = SAW + 87 / 80\* mm

QB = length of cross beam (max. length = 7000 mm) = SAW - 124 / 117\* mm

SAW = order dimension = Distance Post centre ↔ Mounting surface

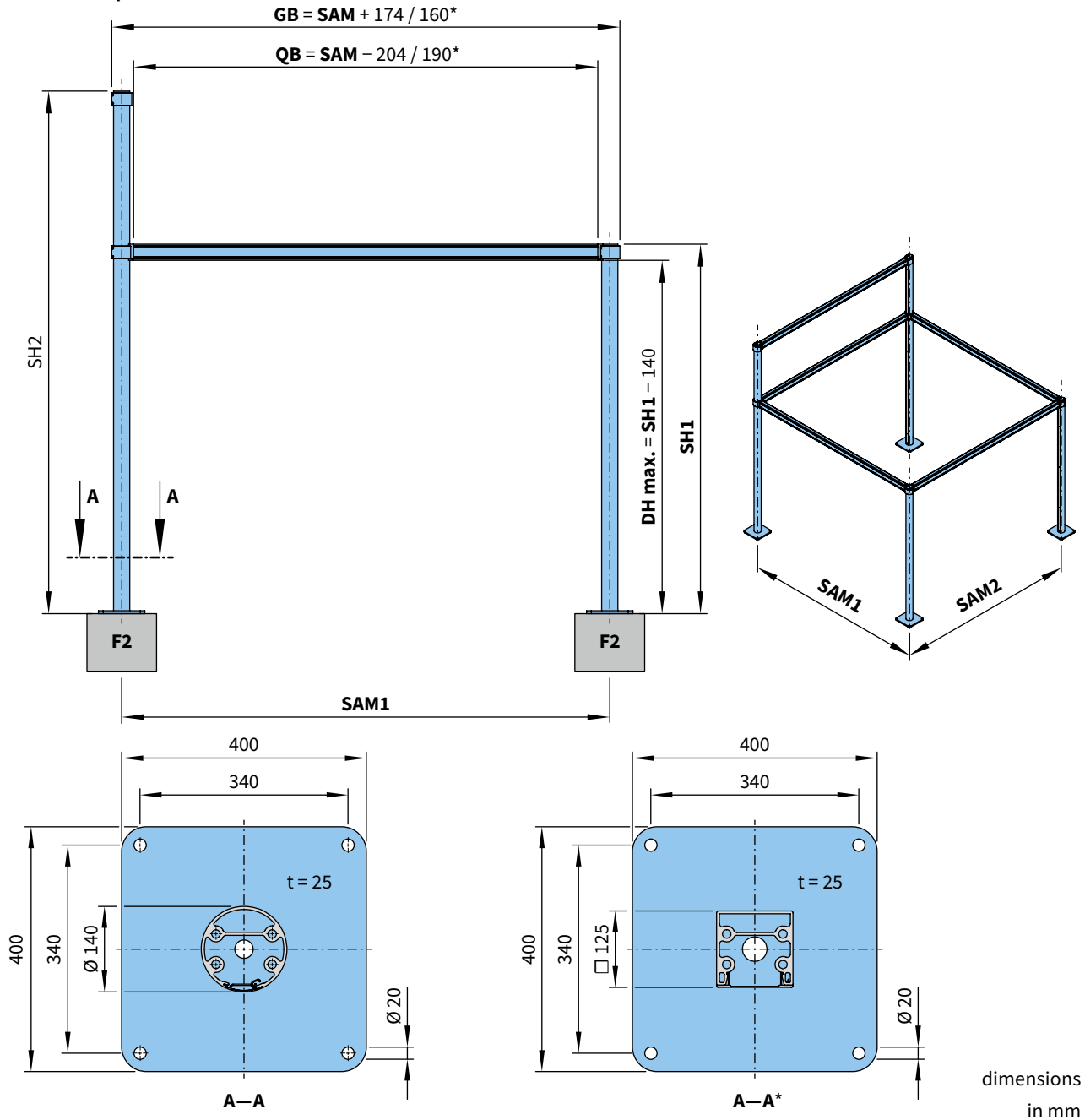
SH = post height (standard 3180 mm / max. 4500 mm)

t = material thickness

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# Dimension overview markilux RS-2, different post heights

Fixture example



**On site the following have to be prepared as per drawing below every post:**

- Concrete foundations (**F2**) with compressive strength C25/30 (previously B25) with rebar matting basket made of rebar matting Q188
- Base plates to be fixed on concrete foundations (**F2**) using Fischer A4 stainless steel anchor bolts FAZ II 16/50 and a washer certified to DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!

\* = information on square posts

**A-A** = in cross section

**BG** = armoured cage made from rebar matting Q188

**DH** = headroom

**F2** = concrete foundations Type 2

**GB** = total width =  $SAM + 174 / 160^*$  mm

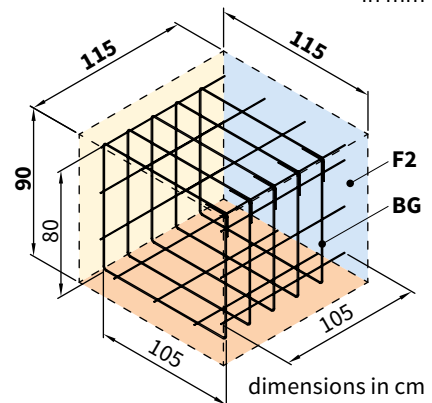
**QB** = crossbar width (max. length = 7000 mm) =  $SAM - 204 / 190^*$  mm

**SAM** = order dimensions =

central post distance dimensions

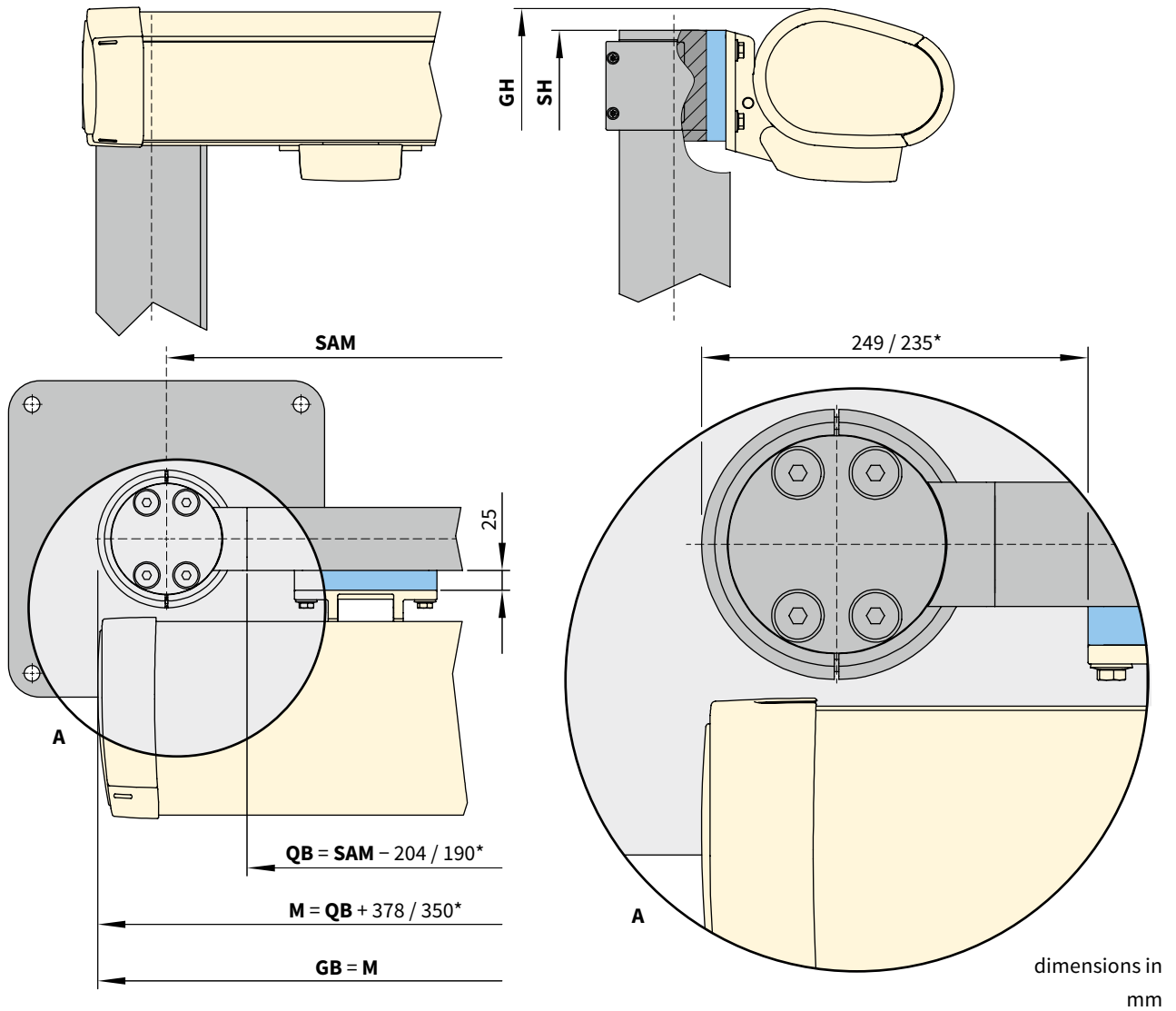
**SH** = post height (standard 3180 / max. 4500 mm)

**t** = material thickness

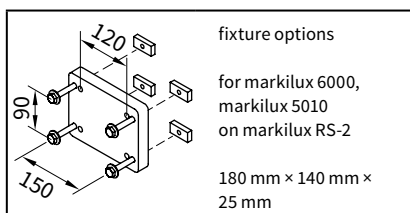


Dimension overview: Fixture of markilux 6000 / 5010 onto markilux RS-2

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dimensions in mm



76913.

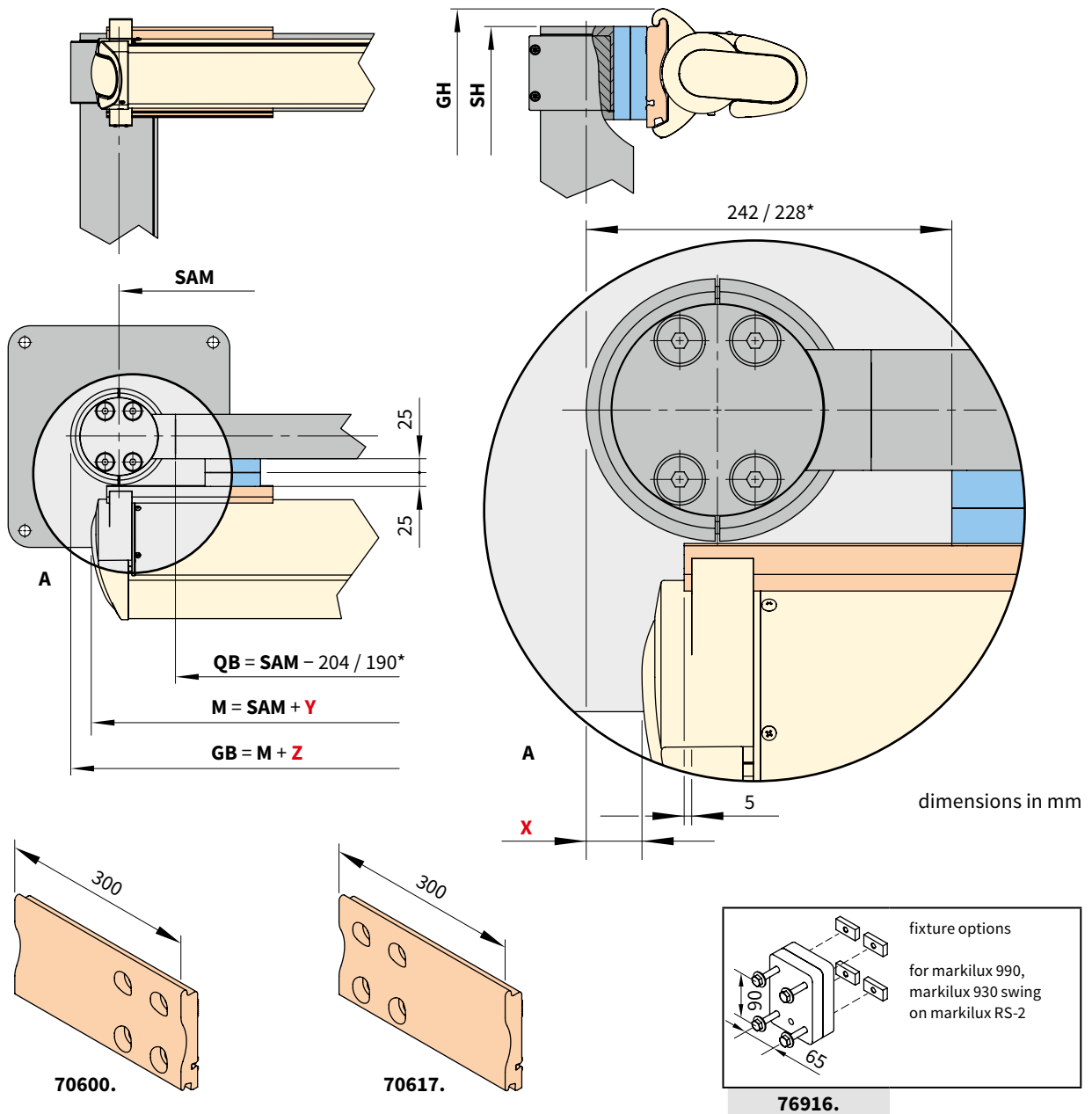
fixture options

for markilux 6000,  
markilux 5010  
on markilux RS-2

180 mm x 140 mm x  
25 mm

- \* = information on square posts
- A = detailed view
- GB = total width = M
- BH = total height: markilux 5010 = SH / markilux 6000 = SH + 25 mm (each with awning tilt = 15°)
- M = awning width = QB + 378 / 350\*
- QB = crossbar width (max. length = 7000 mm) = SAM - 204 / 190\* mm
- SAM = order dimensions = Central post distance dimensions
- SH = post height (standard: 3180 mm / max.: 4500 mm)
- 76913. = fixture options for markilux 6000, markilux 5010 to markilux RS-2

01 Dimension overview: Fixture of markilux 930 swing / 990 onto markilux RS-2



\* = information on square posts

70600. = face fixture bracket right 300 mm

70617. = face fixture bracket left 300 mm

76816. = fixture options for markilux 990,  
markilux 930 swing to markilux RS-2

A = detailed view

GB = total width = M + Z

BH = total height = SH + 27

M = awning width = QB + 378 / 350\*

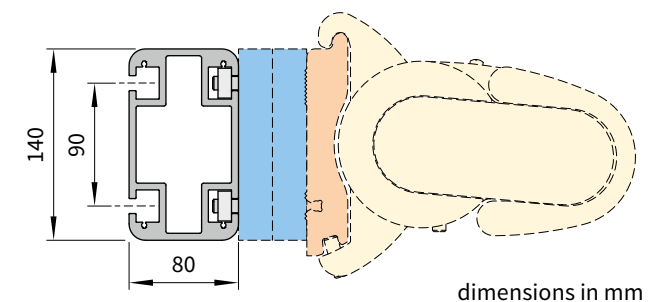
QB = length of cross beam

(max. length = 7000 mm) = SAM - 204 / 190\* mm

SAM = order dimensions = Central post distance dimensions

SH = post height (standard 3180 mm / max. 4500 mm)

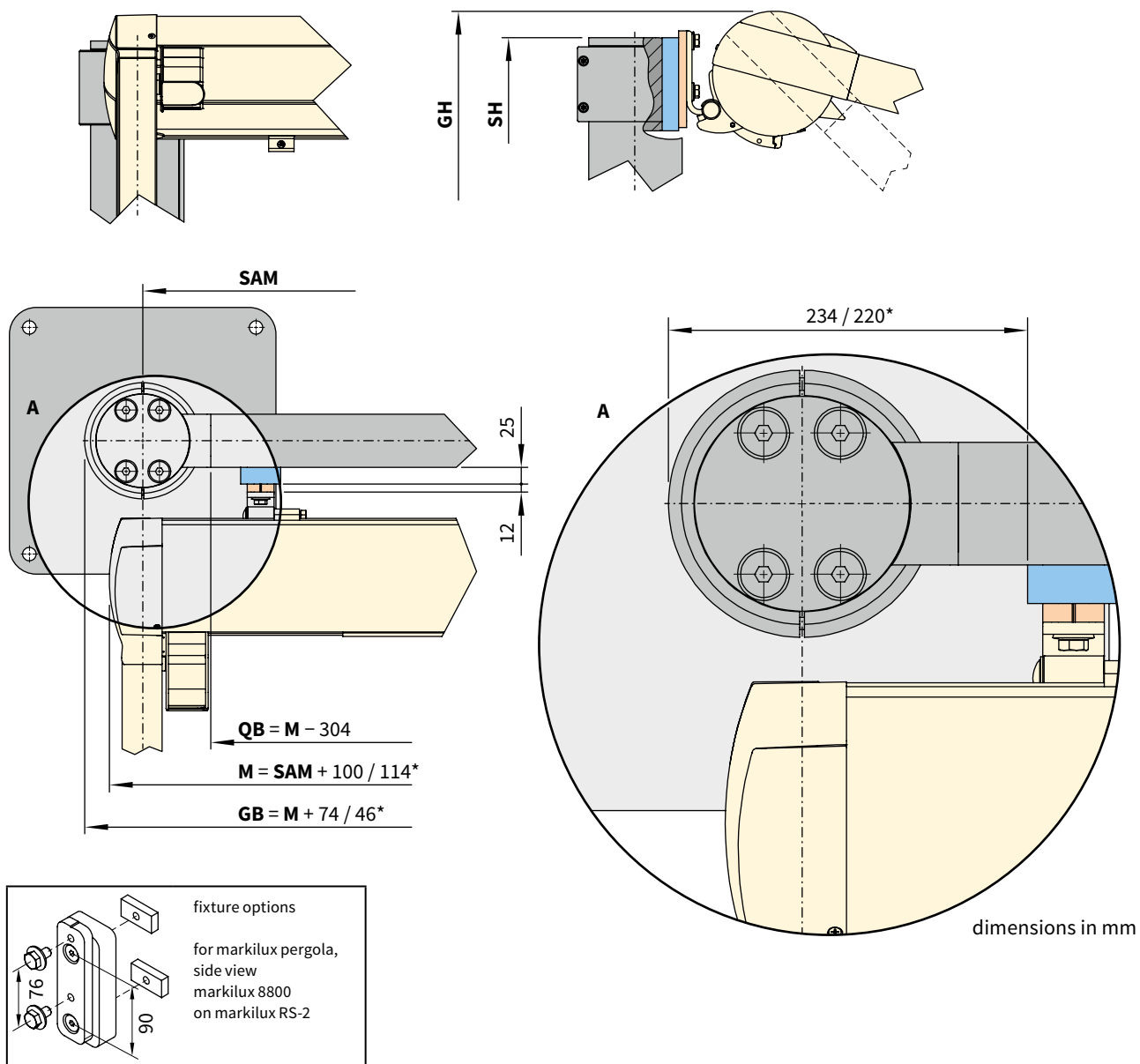
Dimension overview crossbar



Awning	X	Y	Z
markilux 930 swing	47.5 / 33.5*	79 / 67*	95 / 67*
markilux 990	37 / 23*	100 / 114*	74 / 46*

Dimension overview: Fixture of markilux pergola / markilux 8800 onto markilux RS-2

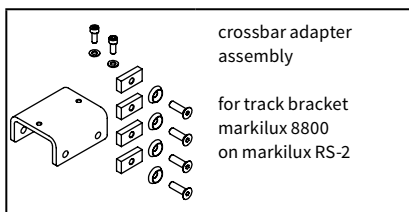
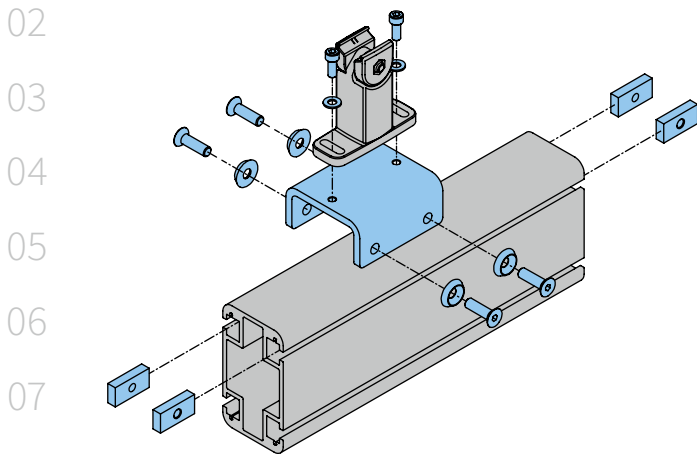
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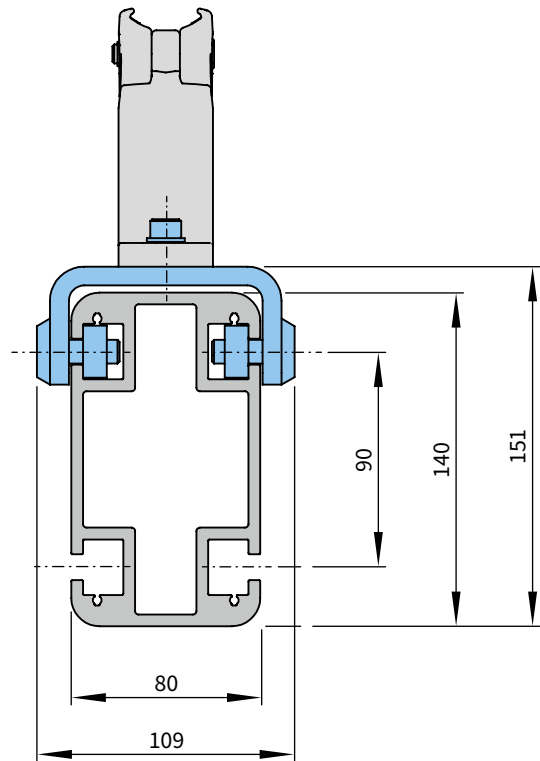
dimensions in mm

- A** = detailed view
- GB** = total width =  $M + 74 / 46^*$
- BH** = total height =  $SH + 40$
- M** = awning width =  $QB + 378 / 350^*$
- QB** = length of cross beam  
(max. length = 7000 mm) =  $SAM - 204 / 190^*$  mm
- SAM** = order dimensions = Central post distance dimensions
- SH** = post height (standard: 3180 mm / max.: 4500 mm)
- 76917.** = fixture options for markilux pergola, markilux 8800 to markilux RS-2

01 **Crossbar adapter for track bracket markilux 8800**



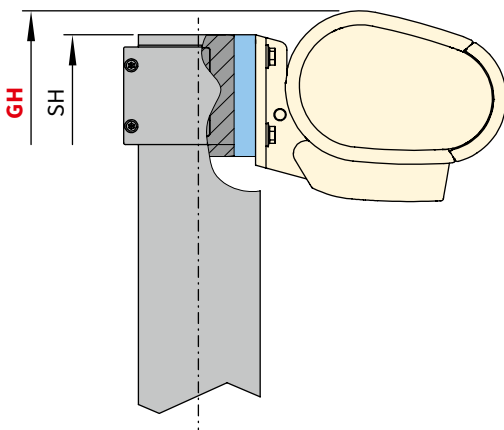
12 **73441.**



dimensions in mm

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**Overview total height (GH) on different awnings**



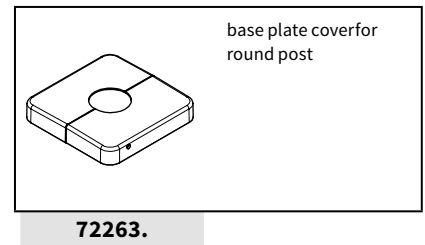
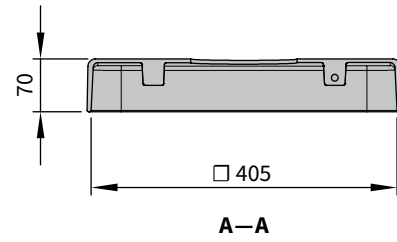
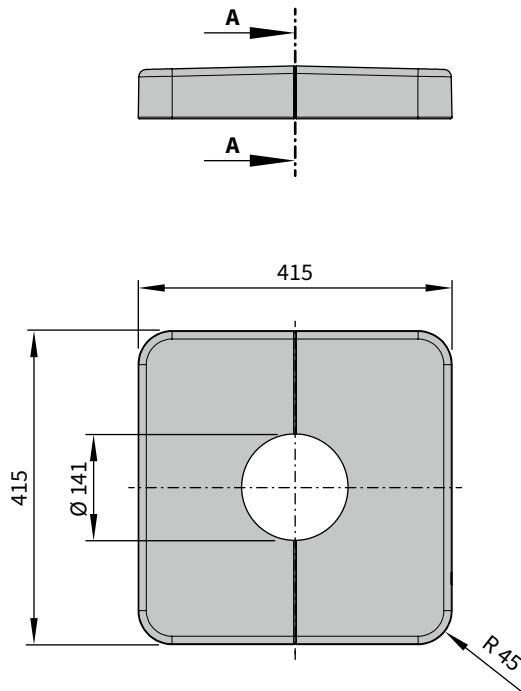
**BH** = overall height  
**SH** = post height (standard: 3180 mm / max.: 4500 mm)  
**W** = awning pitch

Awning	GH (W = 15°)
markilux <b>6000</b>	SH + 25
markilux <b>5010</b>	SH + 0
markilux <b>3300 pur</b>	SH + 43
markilux <b>990</b>	SH + 27
markilux <b>1710</b>	SH + 53
markilux <b>1710 stretch</b>	SH + 53
markilux <b>1500</b>	SH + 59
markilux <b>1600</b>	SH + 59
markilux <b>1600 stretch</b>	SH + 59
markilux <b>1650</b>	SH + 59
markilux <b>930 swing</b>	SH + 27
markilux <b>1300 Basic</b>	SH + 61
markilux <b>1700</b>	SH + 53
markilux <b>1700 stretch</b>	SH + 53
markilux <b>8800</b>	SH + 40
markilux <b>pergola</b>	SH + 40

dimensions in mm

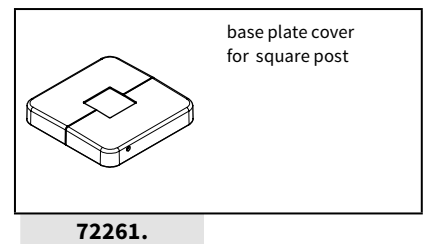
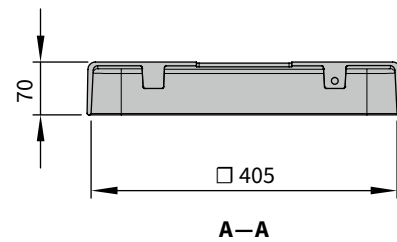
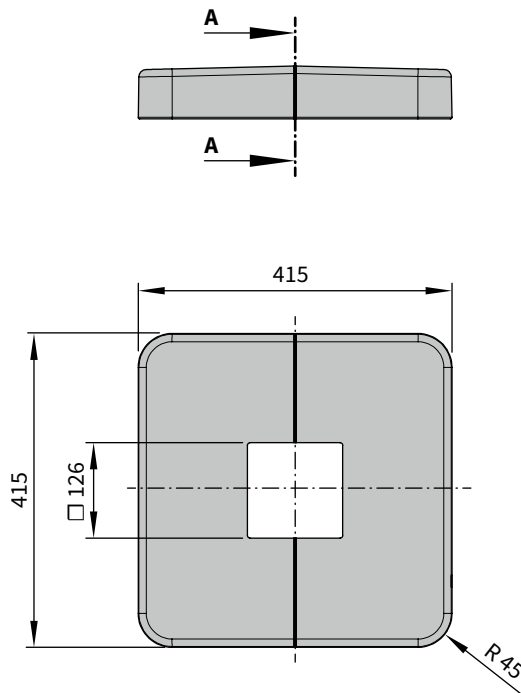
### Base cover of the post

Base cover of the post with a round cross-section



dimensions in mm

### Base cover of the post with a square cross-section

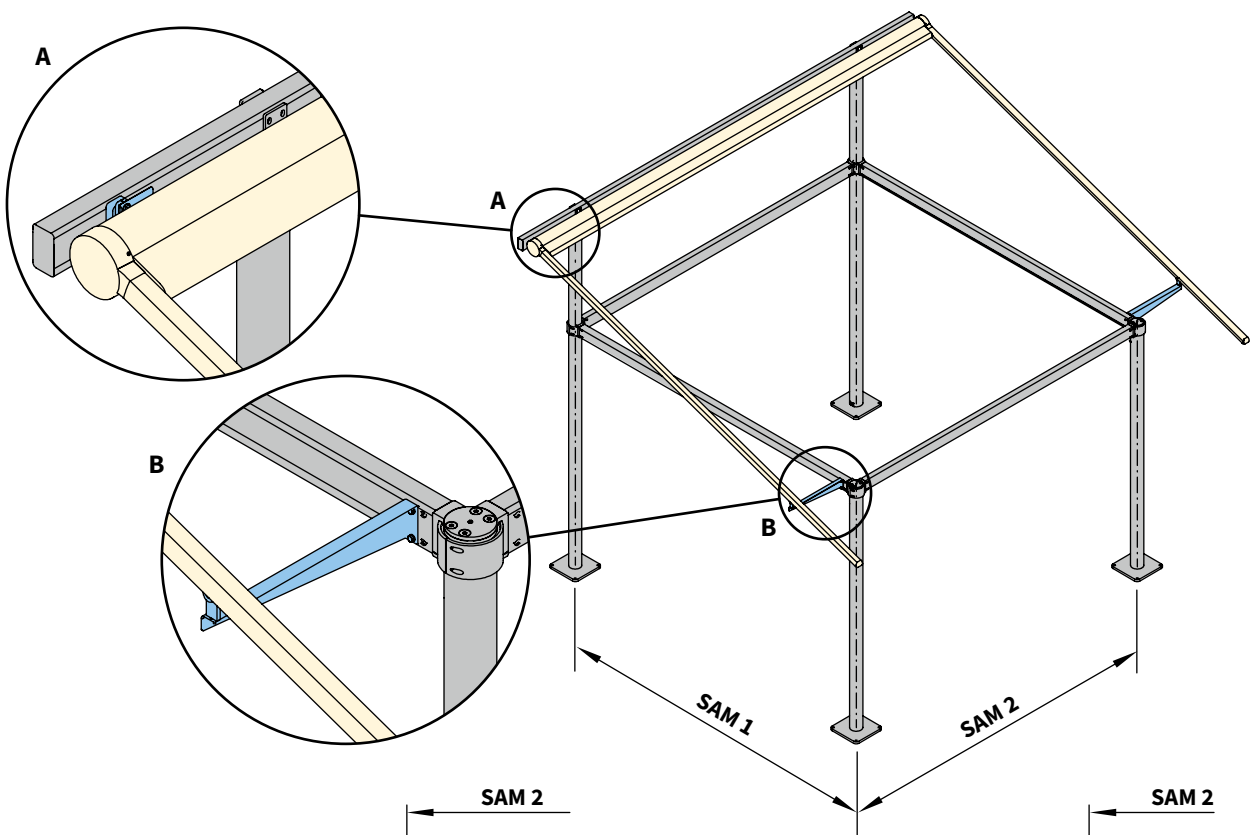


dimensions in mm

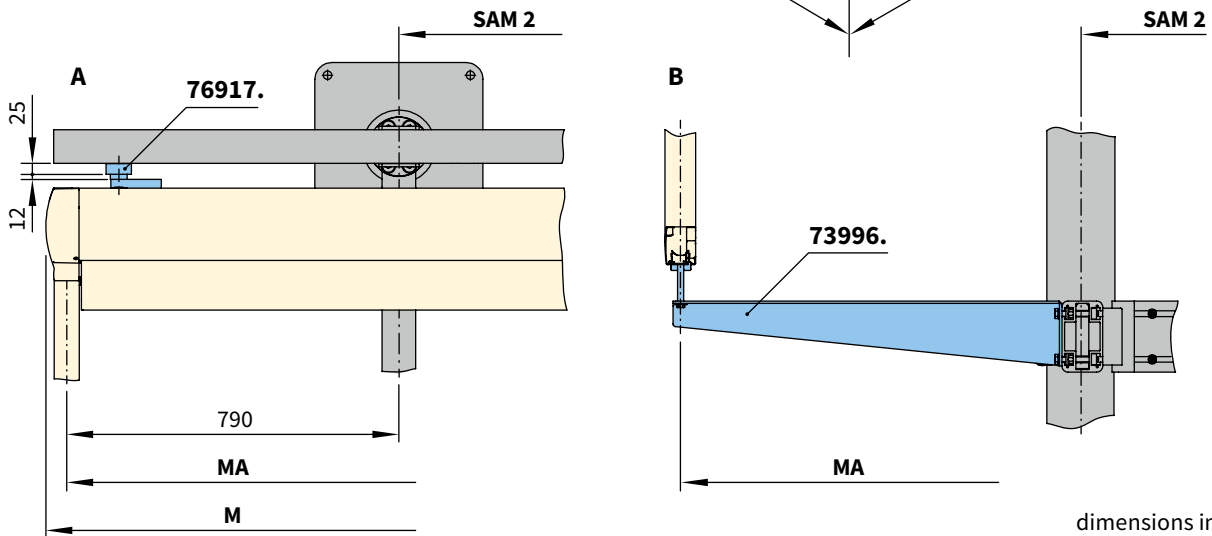
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01 **markilux RS-2 with lateral protruding markilux 8800** (on request)

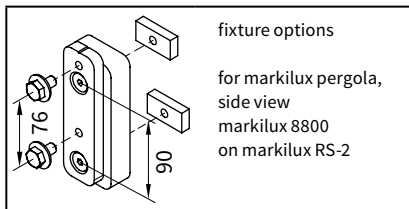
02 **Fixture example**



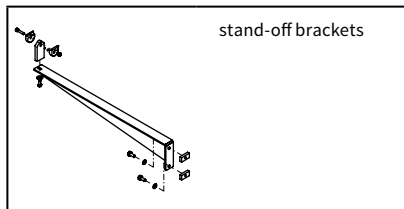
12



dimensions in mm



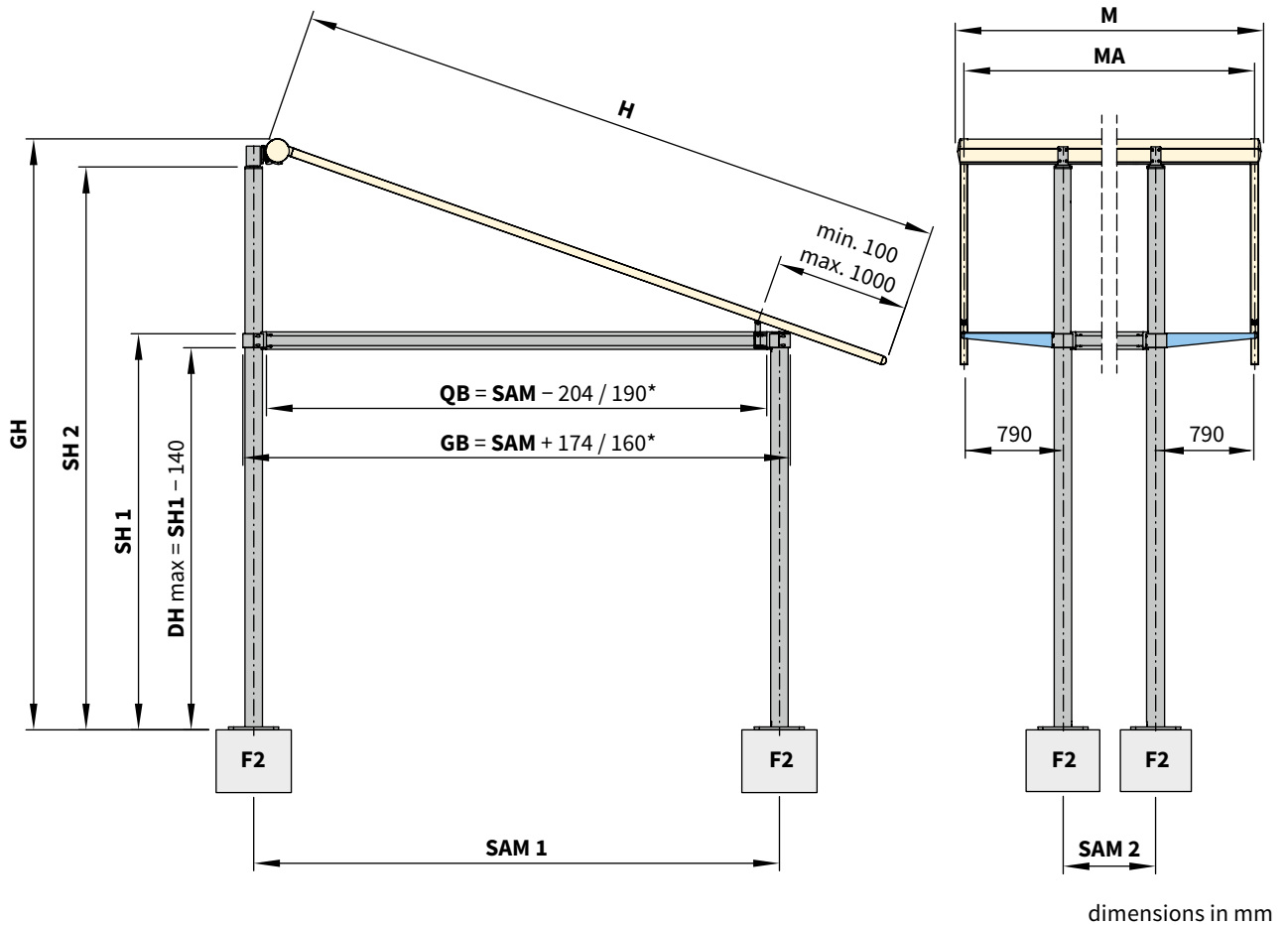
fixture options  
for markilux pergola,  
side view  
markilux 8800  
on markilux RS-2



stand-off brackets

- M** = overall awning width
- MA** = awning fixture width = awning width between fixture points
- SAM** = order dimensions = Post separation, centre to centre of the posts
- 76917.** = fixture options for markilux 8800 to markilux RS-2
- 73996.** = via stand-off brackets

Dimension overview

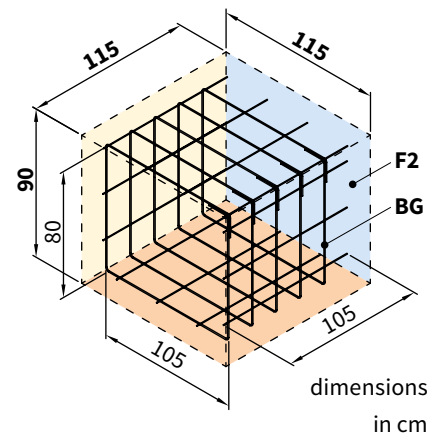


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**On site the following have to be prepared as per drawing below every post:**

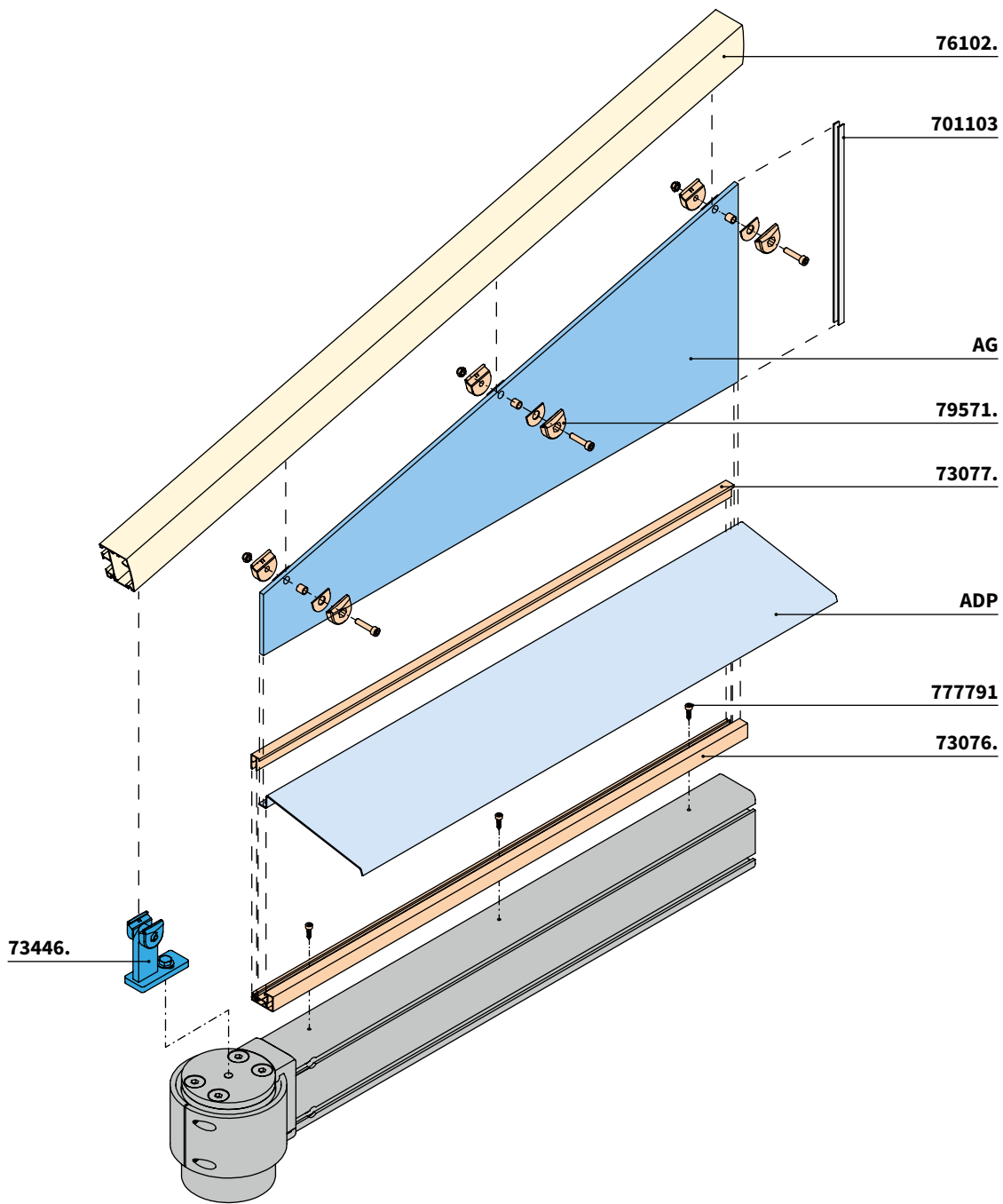
- Concrete foundations (F2) with compressive strength C25/30 (previously B25) with rebar matting basket made of rebar matting Q188
- Base plates to be fixed on concrete foundations (F2) using Fischer A4 stainless steel anchor bolts FAZ II 16/50 and a washer certified to DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!

- \* = information on square posts
- M = awning width
- MA = awning fixture width = awning width between fixture points
- SAM = order dimensions = post separation, centre to centre of the posts
- H = nominal projection
- F2 = concrete foundations Type 2
- max = maximal
- BH = overall height
- SH = Post height (standard: 3180 mm / max.: 4500 mm)
- DH = headroom
- GB = overall width
- QB = length of cross beam
- BG = armoured cage made from rebar matting Q188



01 Overview triangular acrylic glass

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**701103** = alu-U-profile

**73077** = acrylic glass mount cover

**777791** = cylinder head sheet metal screw

**73076** = acrylic glass mount

**76102** = guide track

**79571** = bracket for triangular acrylic glass top

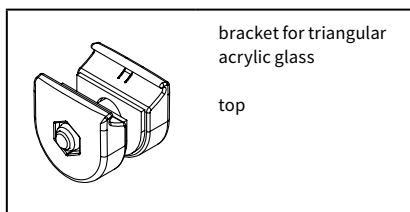
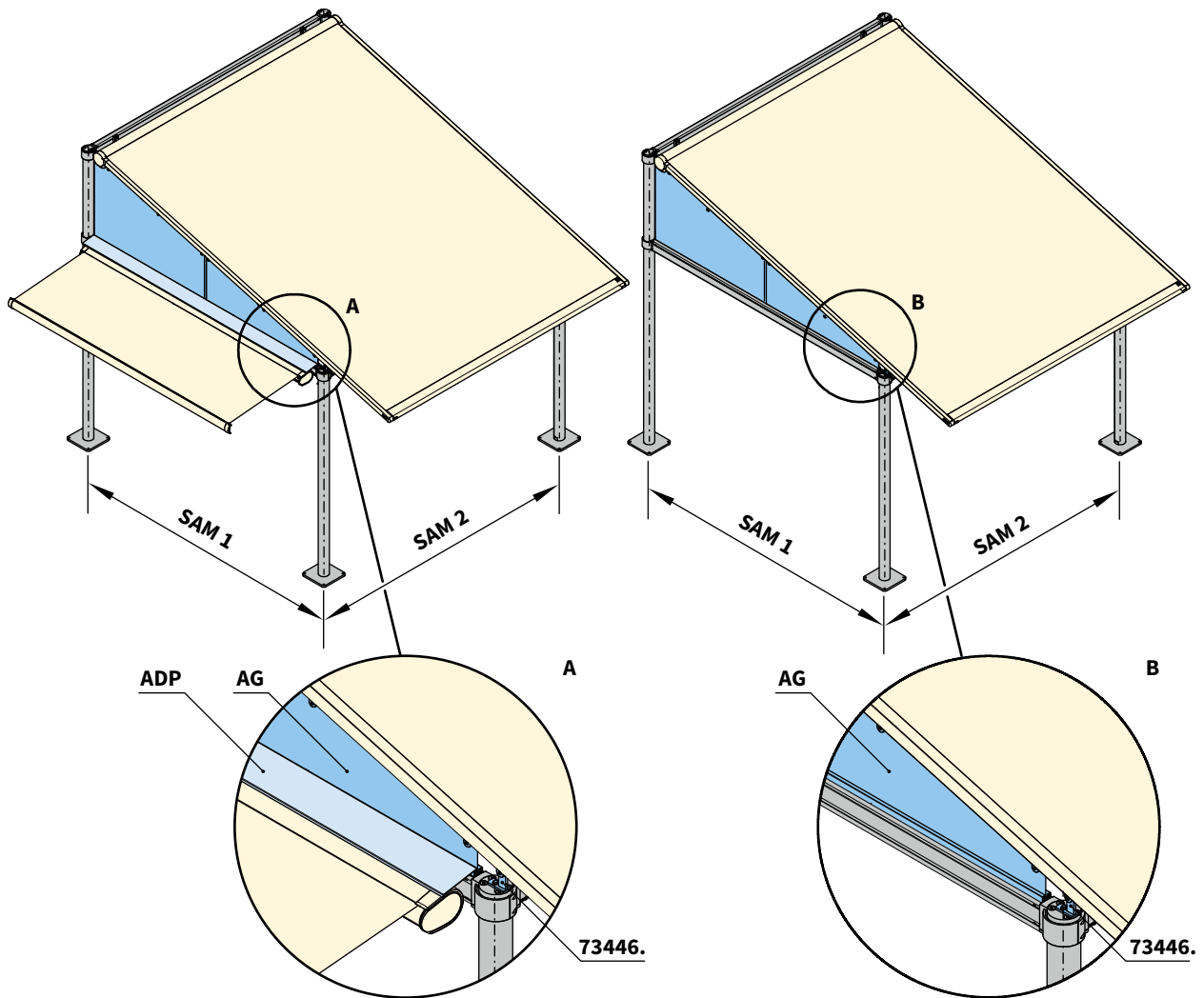
**73446** = track bracket assembly for post

**ADP** = gap cover profile

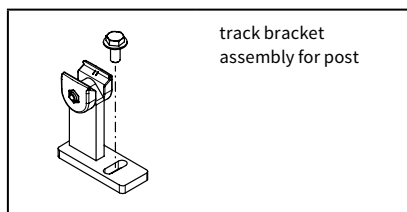
**AG** = acrylic glass

**markilux RS-2 with lateral trisquare acrylic glass** (on request)

Fixture example



bracket for triangular acrylic glass top



track bracket assembly for post

**SAM** = order dimensions = post separation, centre to centre of the posts

**ADP** = cover profile for folding-arm awnings

**AG** = acrylic glass

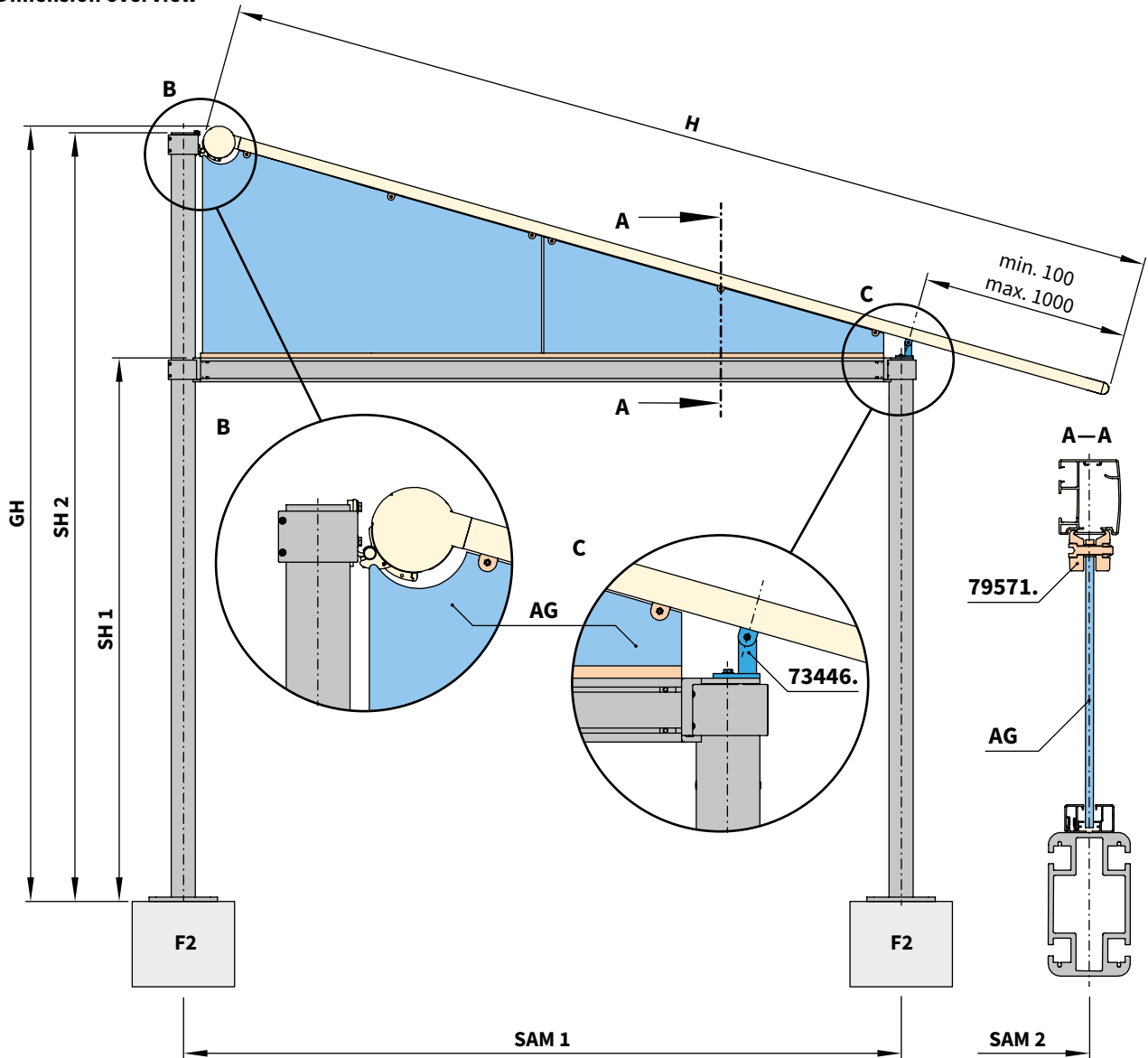
**73446.** = track bracket assembly for post

**79571.** = bracket for triangular acrylic glass top

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01 **markilux RS-2 with lateral triangular acrylic glass** (on request)

02 **Dimension overview**

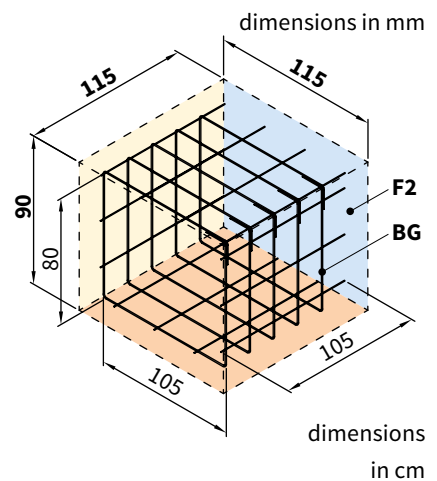


**On site the following have to be prepared as per drawing below every post:**

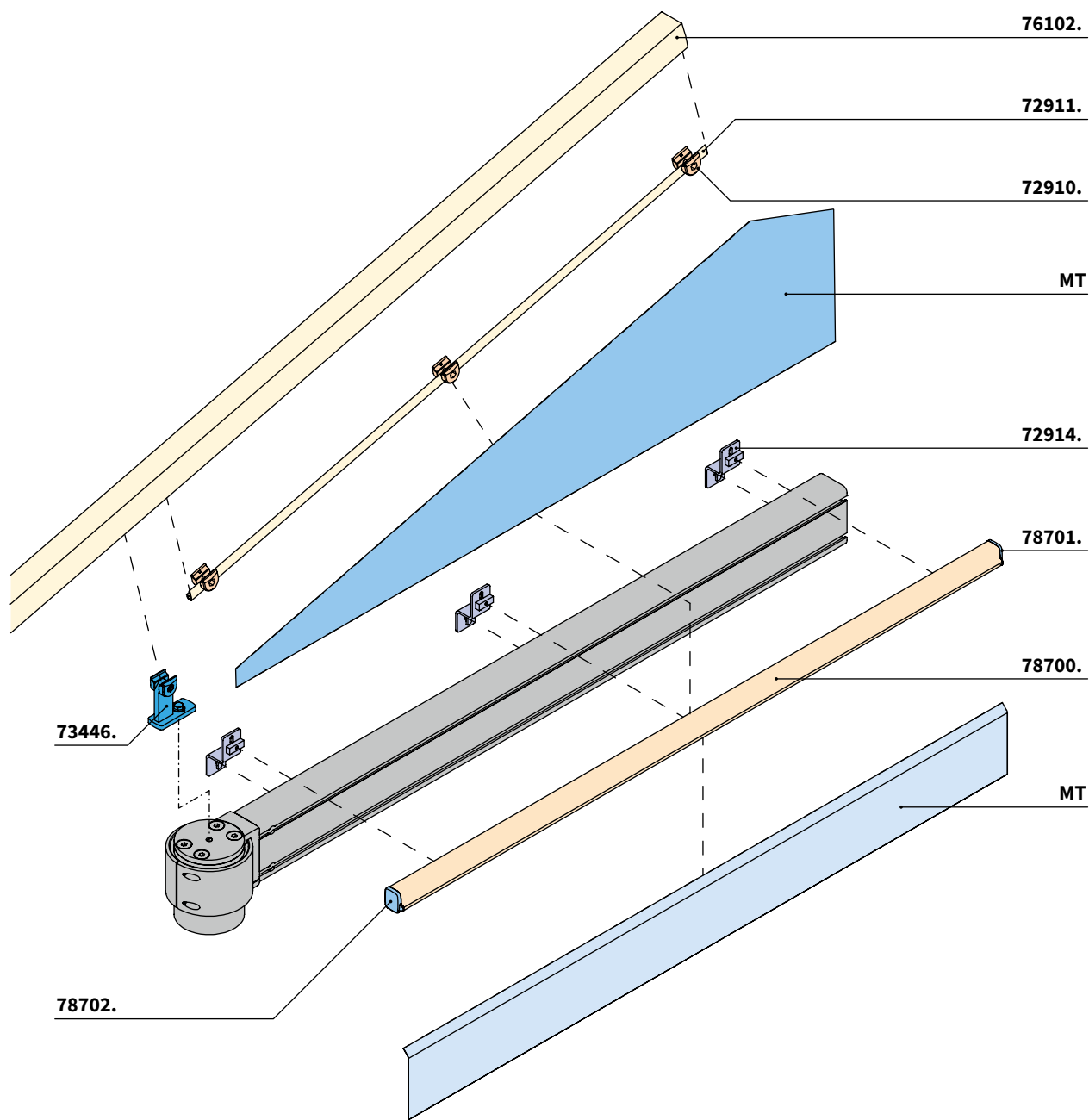
- Concrete foundations (F2) with compressive strength C25/30 (previously B25) with rebar matting basket made of rebar matting Q188
- Base plates to be fixed on concrete foundations (F2) using Fischer A4 stainless steel anchor bolts FAZ II 16/50 and a washer certified to DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!

- SAM** = order dimensions = post separation, centre to centre of the posts
- BH** = overall height
- SH** = post height (standard: 3180 mm / max.: 4500 mm)
- H** = nominal projection
- F2** = concrete foundations Type 2
- BG** = armoured cage made from rebar matting Q188
- AG** = acrylic glass

- 73446.** = track bracket assembly for post
- 79571.** = bracket for triangular acrylic glass top



# Overview triangular fabric cover



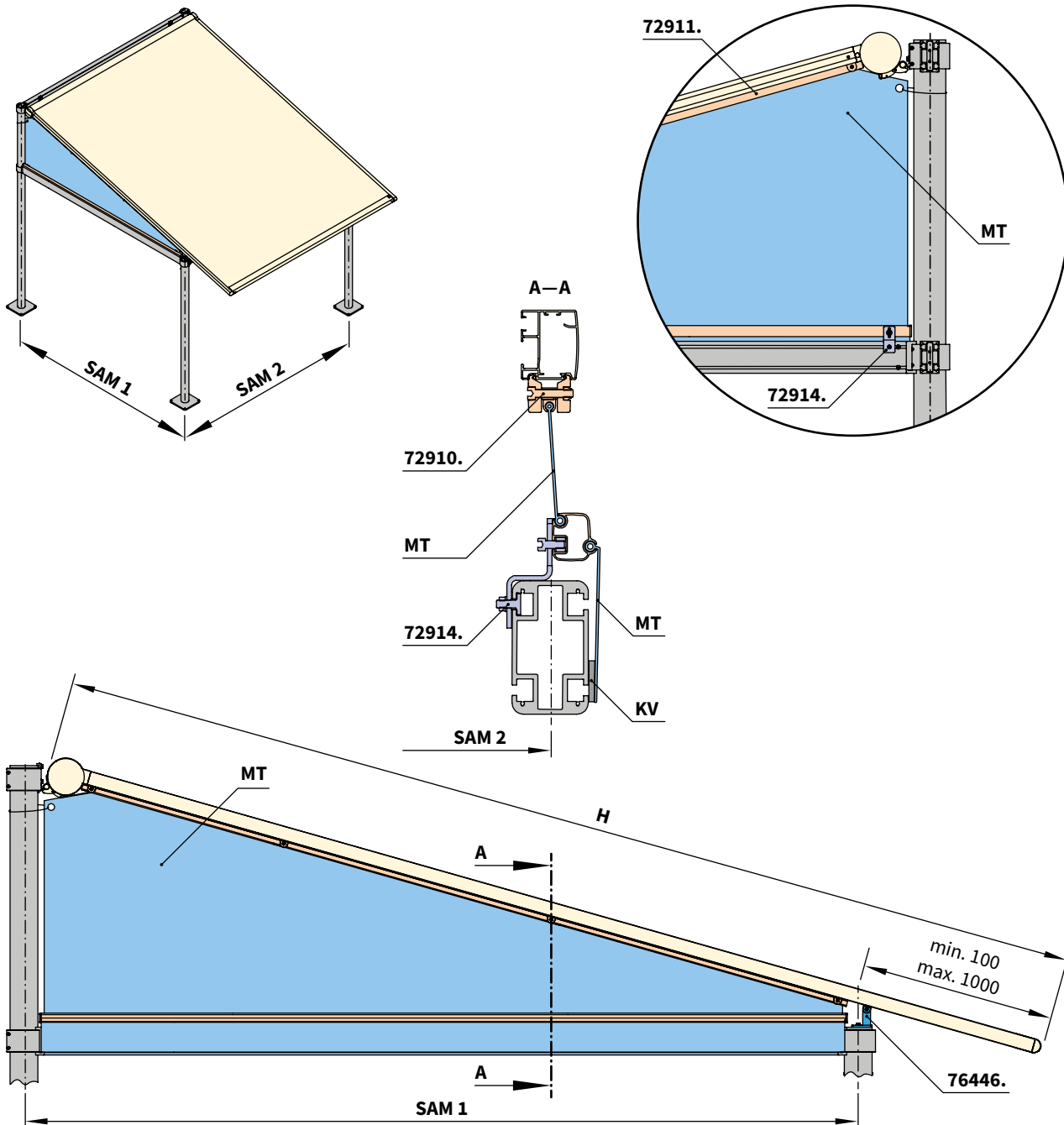
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- 73446.** = track bracket assembly for post
- 78702.** = right cap for fabric track profile
- 76102.** = guide track
- 72911.** = fixture rail bracket assembly (top)

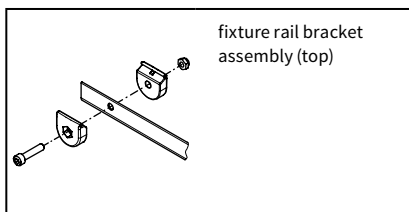
- 72914.** = fixture rail bracket assembly (bottom)
- 78701.** = left cap for fabric track profile
- 78700.** = bottom fabric track profile
- MT** = awning cover

01 **markilux RS-2 with lateral triangular fabric cover** (on request)

02 **Fixture example**

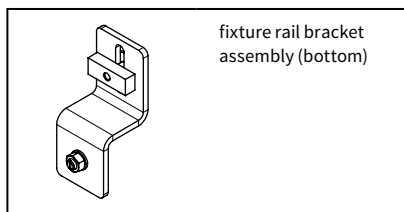


dimensions in mm



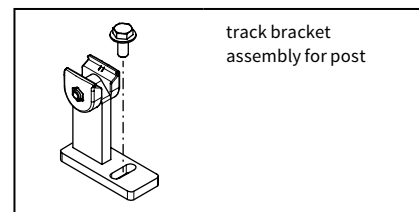
fixture rail bracket assembly (top)

**72911.**



fixture rail bracket assembly (bottom)

**72914.**



track bracket assembly for post

**73446.**

**SAM** = order dimensions = post separation, centre to centre of the posts

**H** = nominal projection

**MT** = awning cover

**KV** = velcro fastener

**72910.** = bracket assembly for fixture rail at top

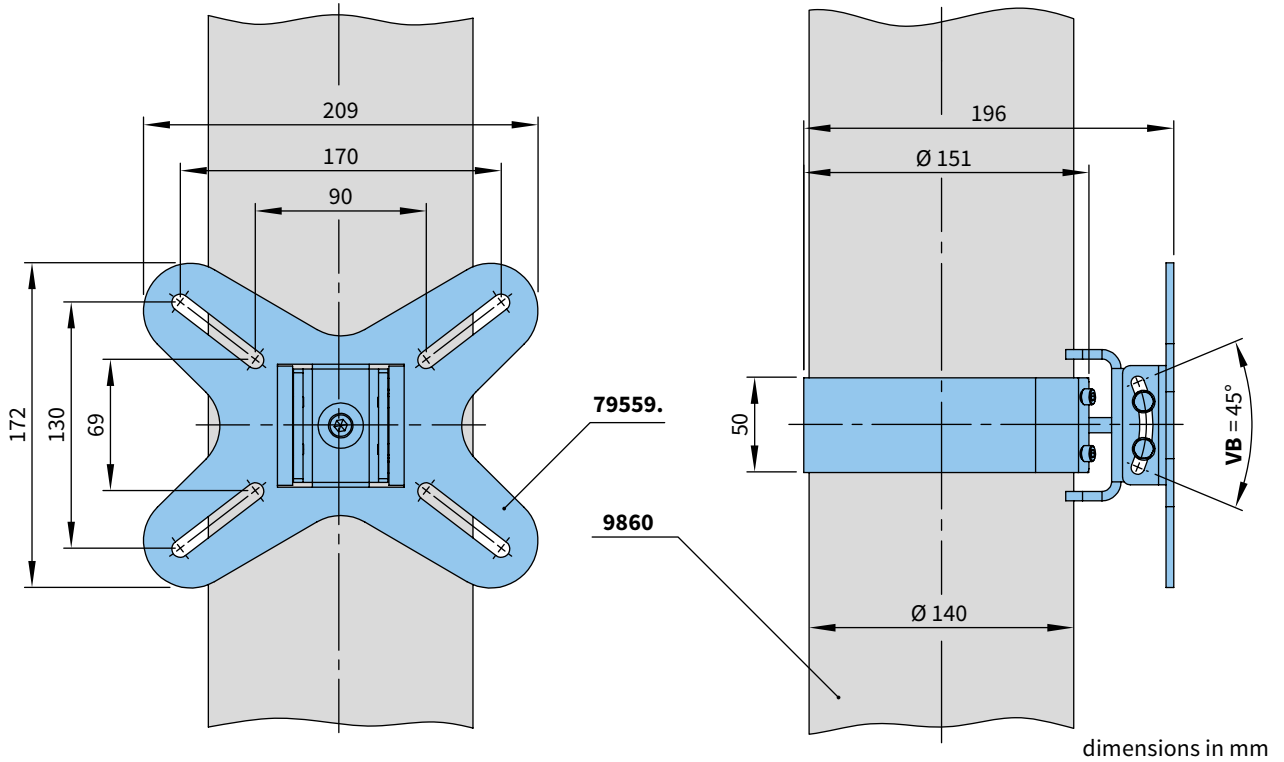
**72911.** = fixture rail bracket assembly (top)

**72914.** = fixture rail bracket assembly (bottom)

**73446.** = track bracket assembly for post

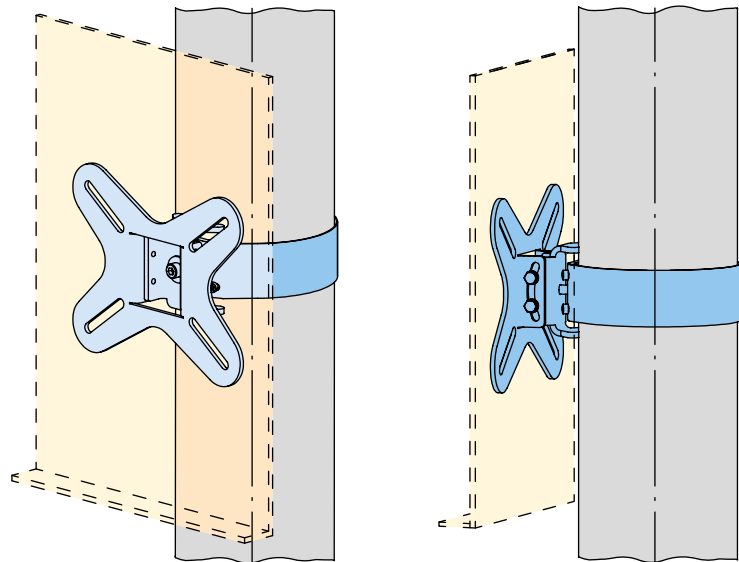
# Universal bracket for round post Ø 140 mm

## Dimension overview

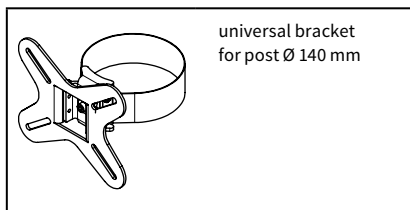


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## Fixture example: Mounting of panel, display or similar



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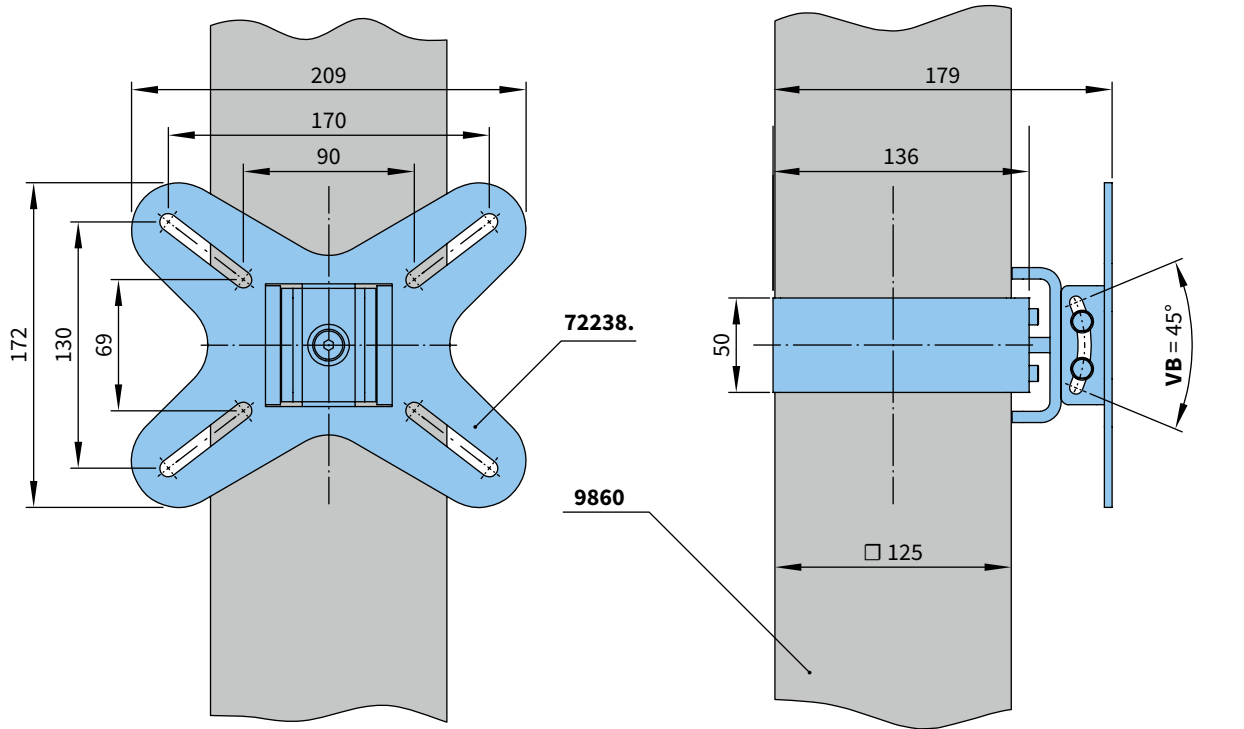
universal bracket for post Ø 140 mm

79559.

- VB = adjustment range
- 79559. = universal bracket for post Ø 140 mm
- 9860 = post

01 **Universal bracket for square post**

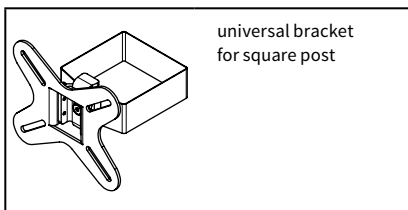
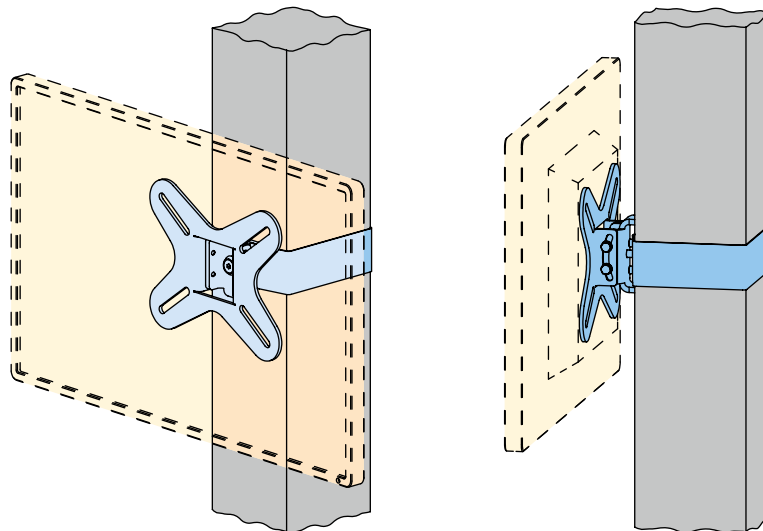
02 **Dimension overview**



dimensions in mm

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13 **Fixture example: Mounting of panel, display or similar**



universal bracket for square post

72238.

**VB** = adjustment range

**72238.** = universal bracket for square post

**9860** = post



## **markilux** syncra 2

**Now even with square posts – brilliant construction system**

01 Comparison markilux syncra 2 round post / square post

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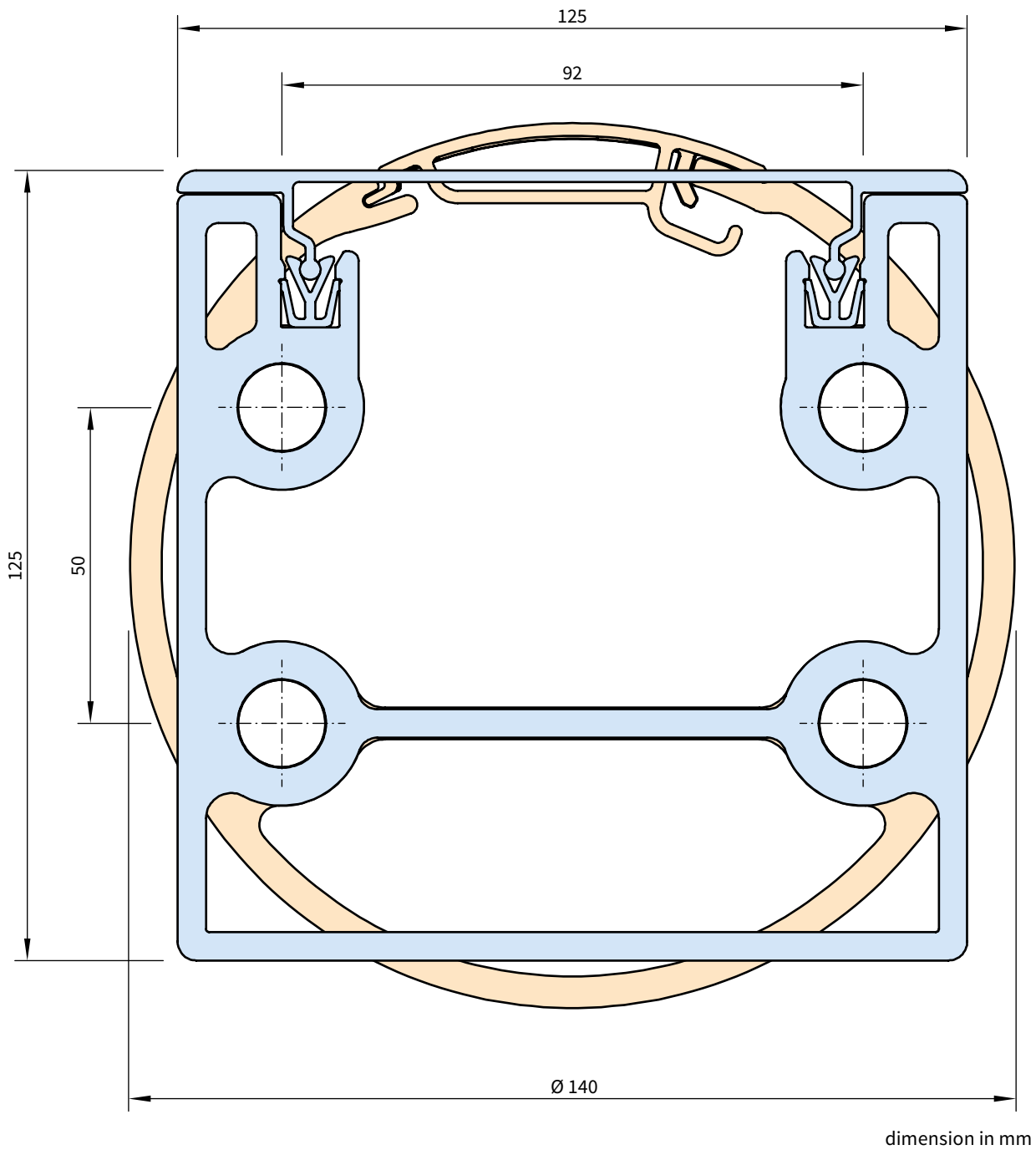
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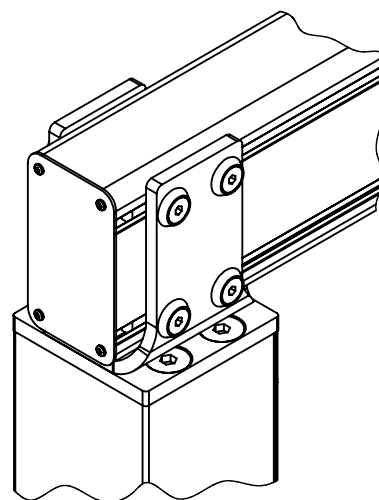
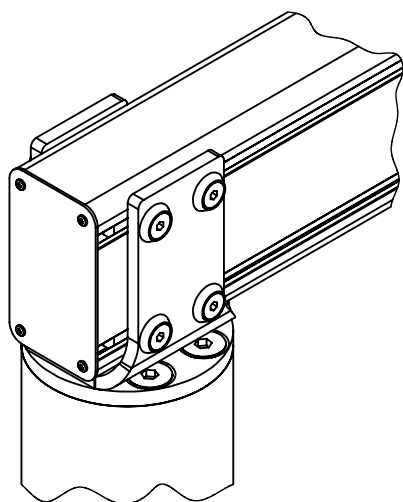
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### Detailed views

Connection of round post to crossbeam

Connection of square post to crossbeam

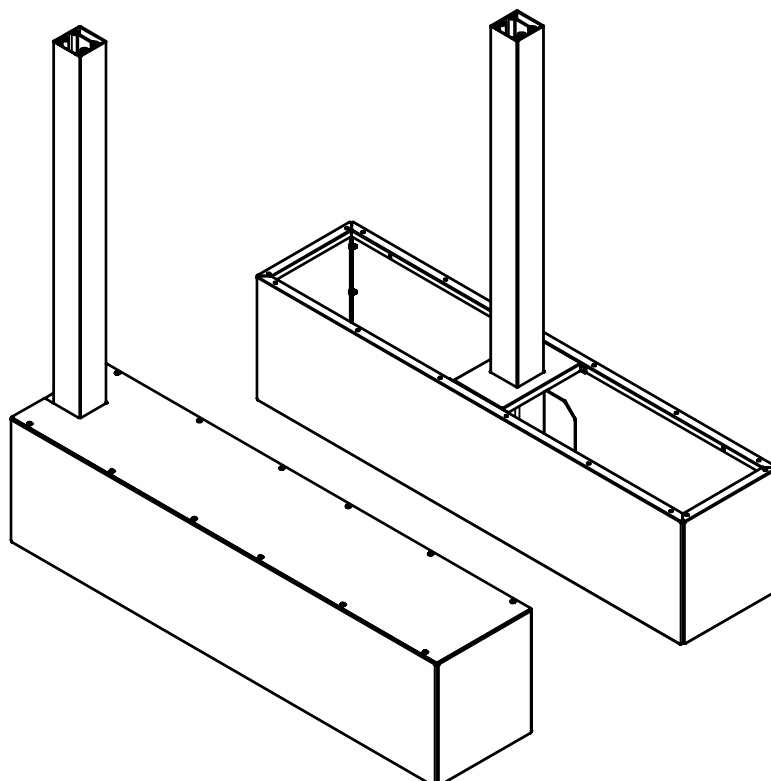


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### Stabilisation boxes, square posts

markilux syncra 2 uno

markilux syncra 2



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01 **Dimension overview**

02 Stabilisation boxes uncovered, markilux syncra 2, square post

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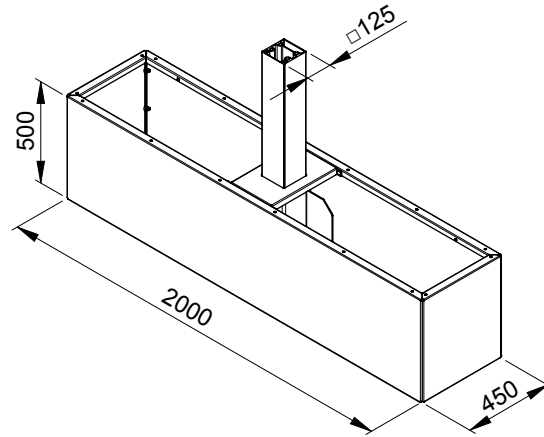
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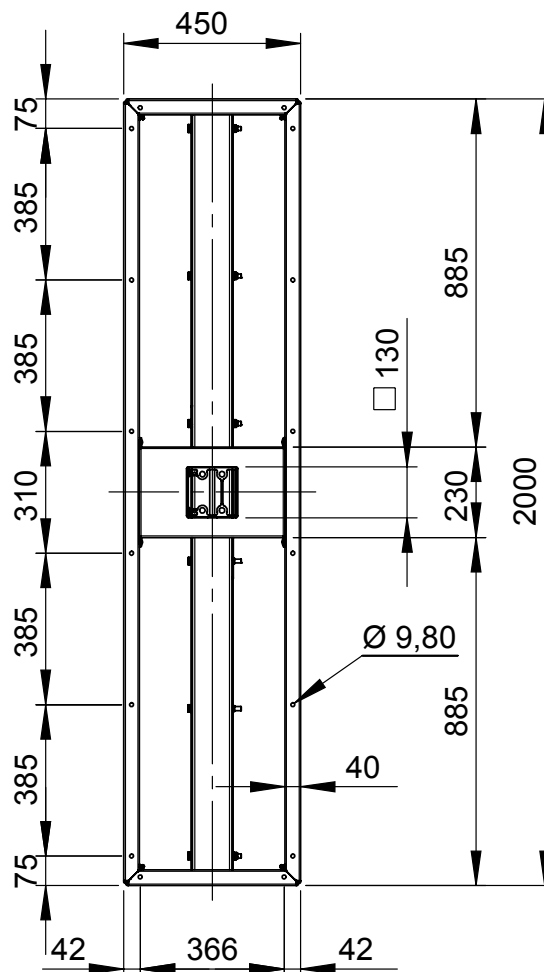
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dimension in mm



dimension in mm



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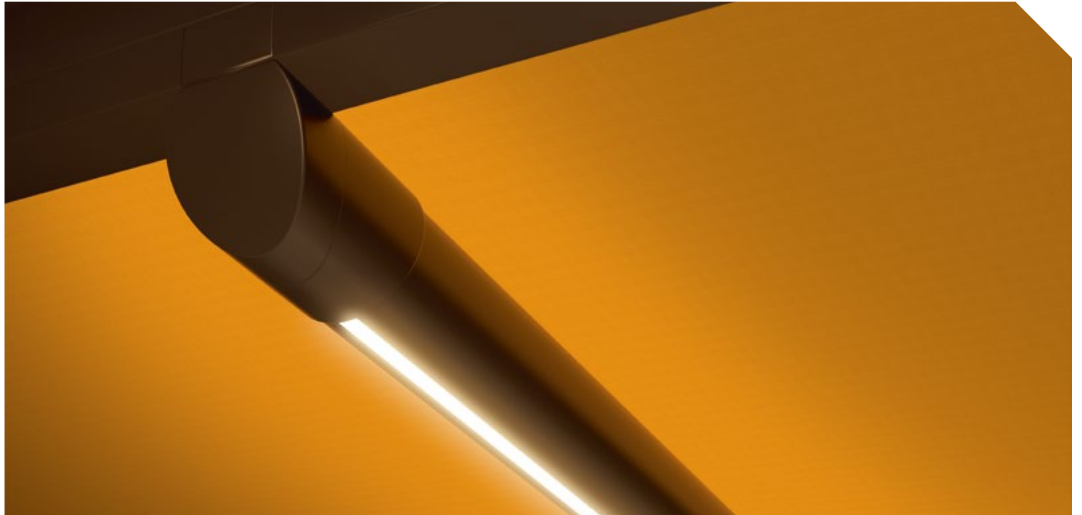
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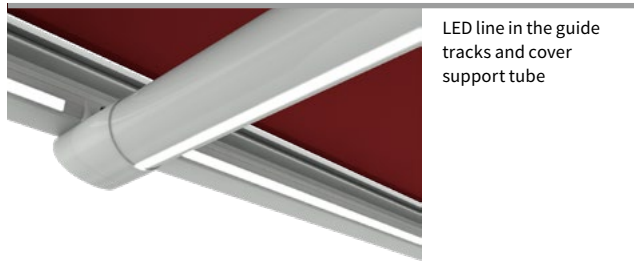
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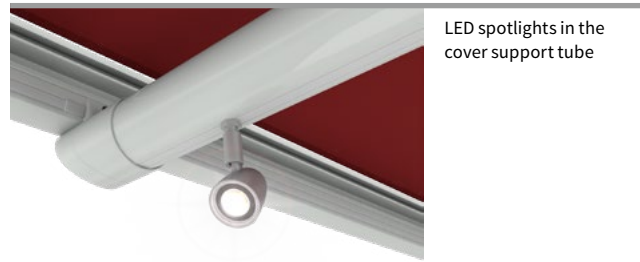
## Lighting options **markilux** pergola

**Creates a striking atmosphere under your awning – so that you can enjoy sitting outside in the evening for even longer**

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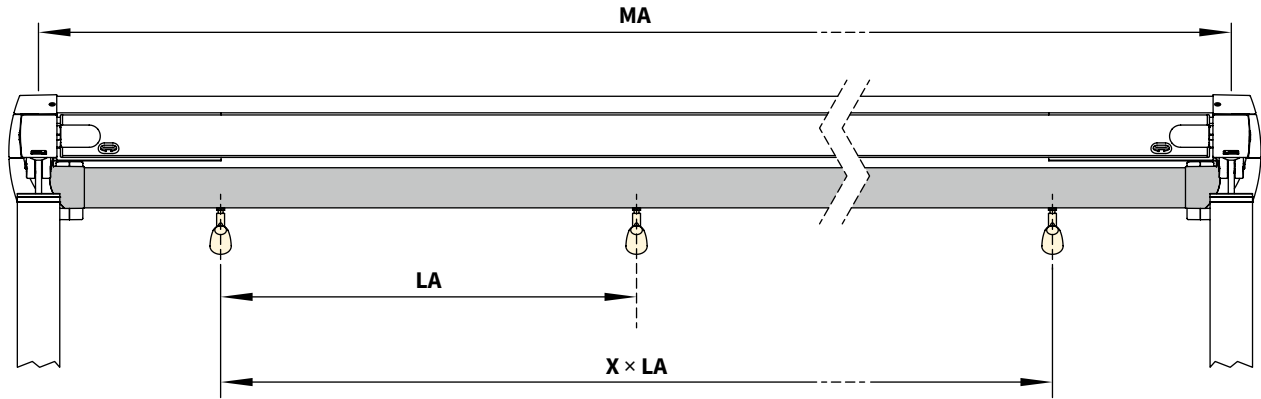
LED line in the guide tracks and cover support tube



LED spotlights in the cover support tube

**N.B! A shadeplus is not possible if the awning is fitted with lighting in the cover support tube!**

**Quantity and Distribution of LED spotlights**



MA (mm)	no. of spotlights	LA (mm)
1500–2500	3	650
2501–3000	3	980
3001–3500	3	980
3501–4000	4	980
4001–4500	4	980
4501–5000	5	980
5001–5500	5	980
5501–6000	6	980

MA = awning fixture width = order width

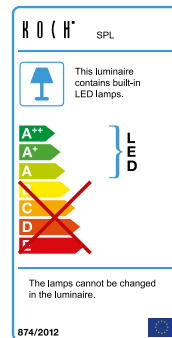
LA = distance between the spotlights

**Radio control options LED lighting**

	Radio RTS (433 MHz)	Radio io (868 MHz)
LED spotlights	on / off / dimmable	on / off / dimmable
LED line	<b>standard</b>	<b>optional</b>

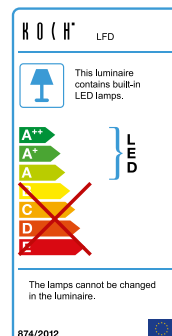
**Technical data markilux LED spotlights**

operating voltage	230 V, 50 Hz
power output per spotlight	5 W
light source	LED (12 V)
number of transformers	1 piece
light temperature	2700 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	approx. 20,000 h



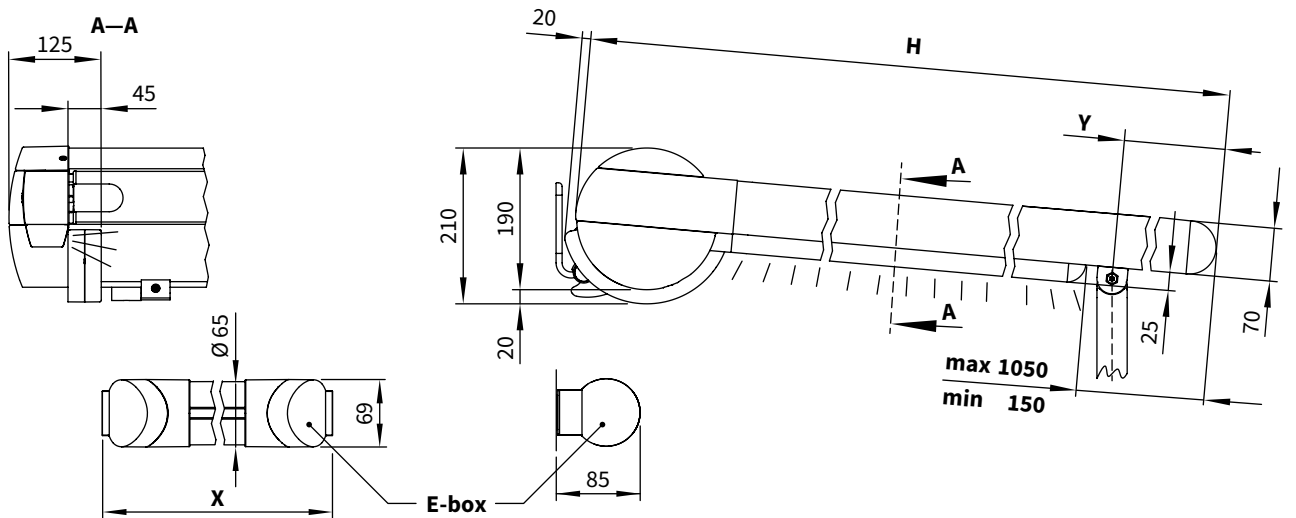
**Technical data markilux LED line**

operating voltage	230 V, 50 Hz
power output per metre	10 W
light source	LED (12 V)
number of LEDs	120 pcs / m
number of transformers	1 piece
light temperature	3200 K, warm white
IP protection class	IP 44
energy efficiency class	A to A++
service life	approx. 15,000 h



# Lighting options

## Version 1: LED line in the guide tracks, electronics in an E-Box



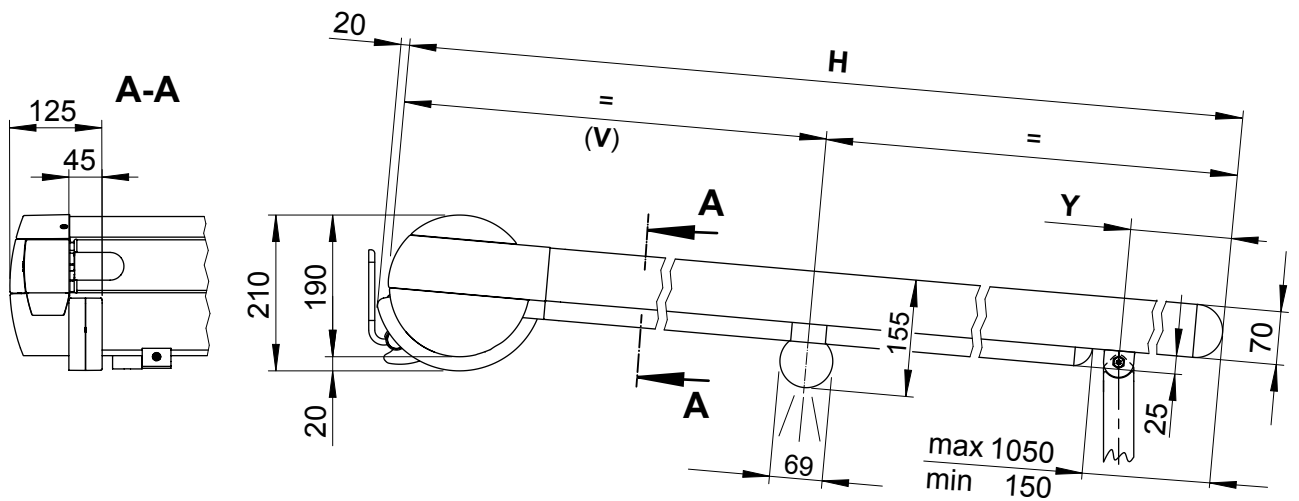
dimensions in mm

**H** = nominal extension = **order extension**

**Y** = distance from post centre to the leading edge of the front profile. dimensions: min. = 100 mm, max. = 1000 mm

**E-box** = refer to the “**Overview of E-box dimensions**”

## Version 2: LED line in the cover support tube, centred, electronics in the cover support tube



dimensions in mm

**H** = nominal extension = **order extension**

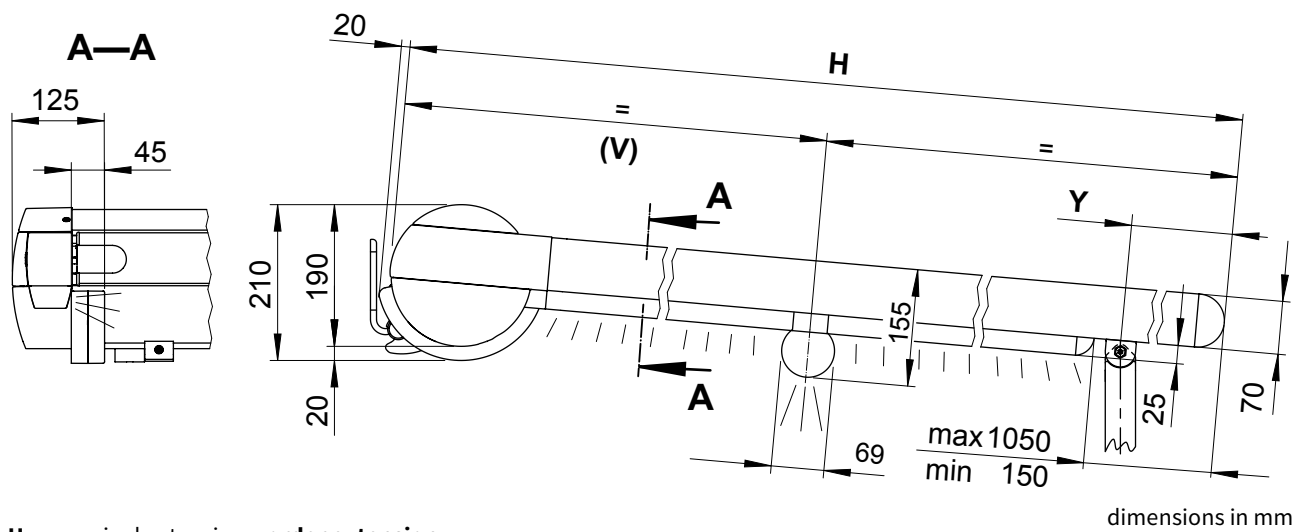
**Y** = distance from post centre to the leading edge of the front profile. dimensions: min. = 100 mm, max. = 1000 mm

**V** = in the centre is standard ( $H \div 2$ ). Bespoke manufacture on request: distance from the rear of the cassette to the centre of the cover support tube. dimensions: min. = 700 mm, max. =  $H - 1590$  mm

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## Lighting options

Version 3: LED line in the guide tracks and LED line in the cover support tube, electronics in the cover support tube



dimensions in mm

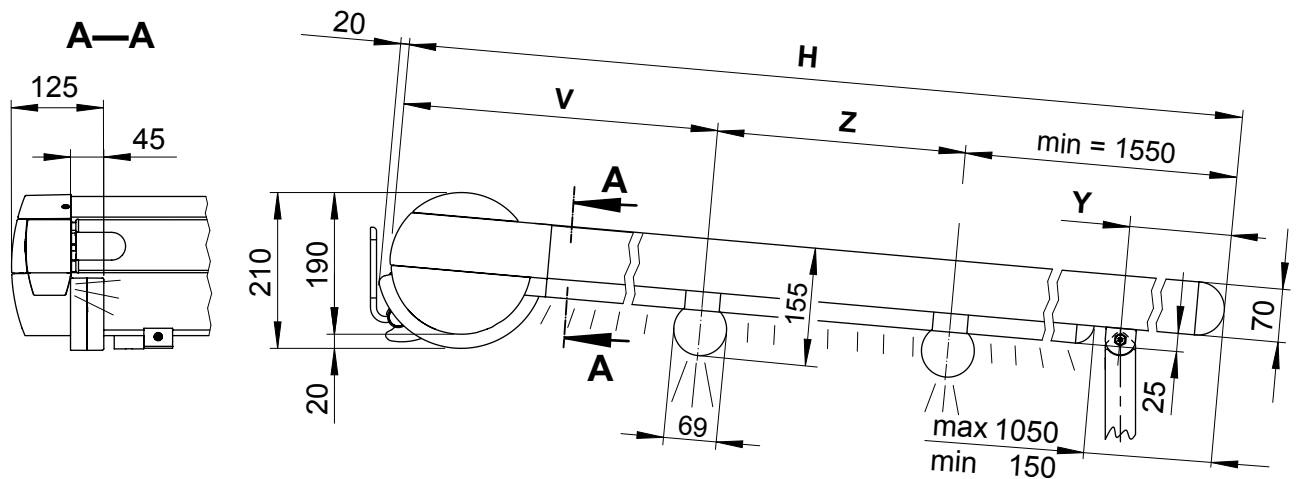
**H** = nominal extension = **order extension**

**V** = in the centre is standard ( $H \div 2$ ). Bespoke manufacture on request: distance from the rear of the cassette to the centre of the cover support tube. Dimensions: min. = 700 mm, max. =  $H - 1590$  mm

**Y** = distance from post centre to the leading edge of the front profile. dimensions: min. = 100 mm, max. = 1000 mm

**N.B!** A shadeplus is not possible if the awning is fitted with lighting in the cover support tube!

Version 4: LED line in the guide tracks and LED line in two cover support tubes, electronics in the cover support tubes



dimensions in mm

**N.B!** A shadeplus is not possible if the awning is fitted with lighting in the cover support tube!

**H** = nominal extension = **order extension**

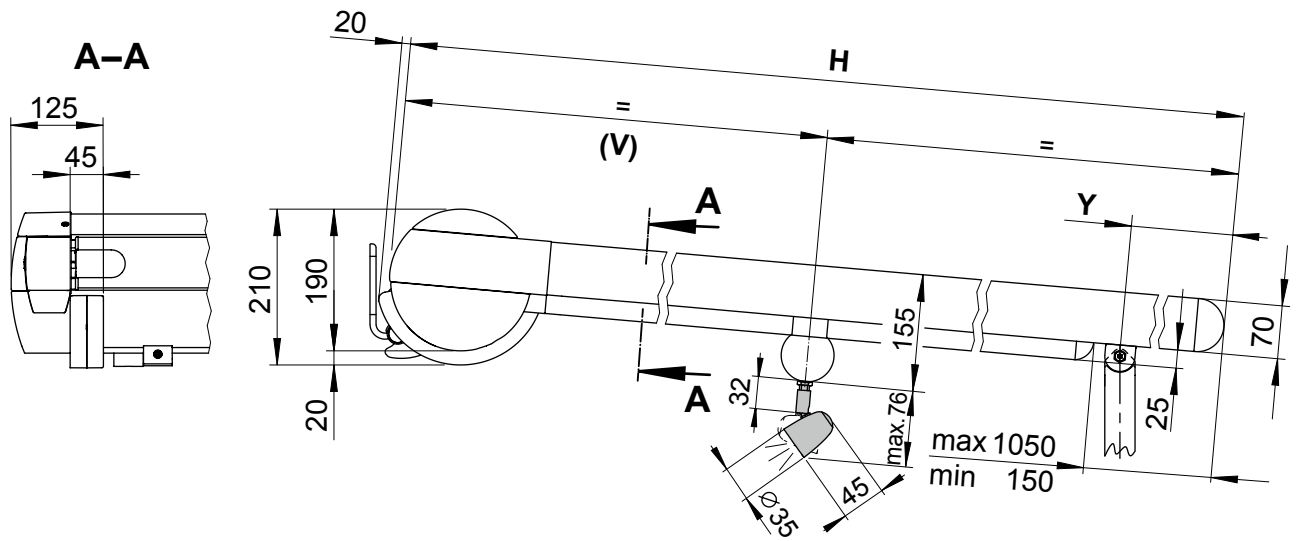
**V** = distance from the rear of the cassette to the centre of the (rear) cover support tube.

**Y** = dimensions: min. = 500 mm, max. =  $H - 500$  mm

**Z** = distance from the centre of the rear cover support tube to the centre of the front cover support tube. dimensions: min. = 500 mm, max. = 2500 mm

## Lighting options

Version 5: LED spotlights in the cover support tube, electronics in the cover support tube



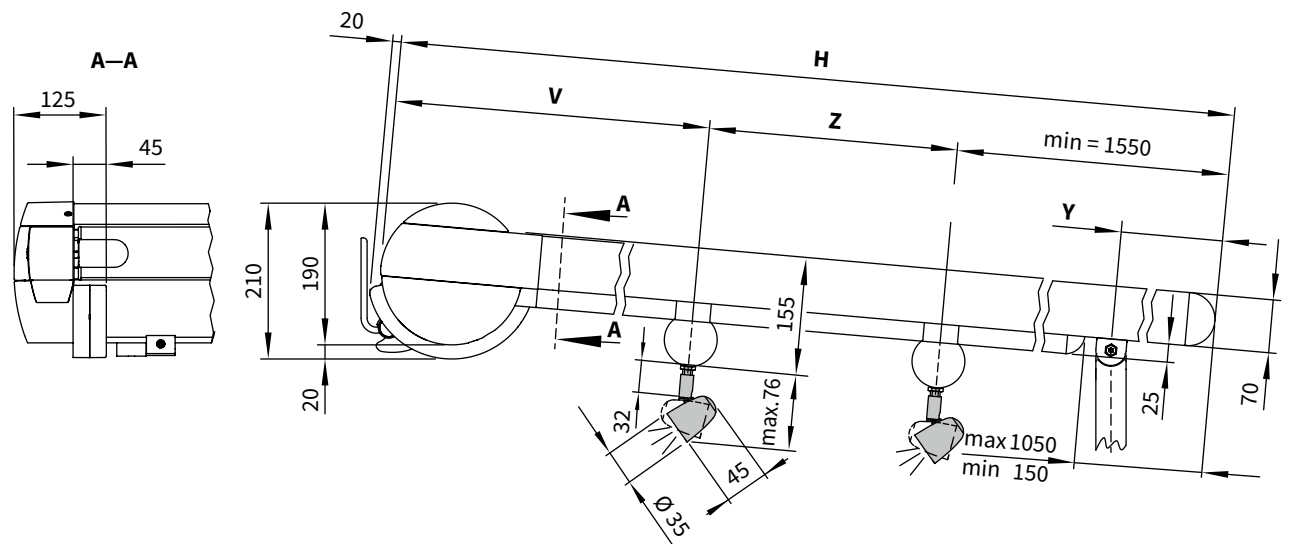
H = nominal extension = **order extension**

V = in the centre is standard ( $H \div 2$ ). Bespoke manufacture on request: distance from the rear of the cassette to the centre of the cover support tube. Dimensions: min. = 700 mm, max. =  $H - 1590$  mm

Y = distance from post centre to the leading edge of the front profile. dimensions: min. = 100 mm, max. = 1000 mm

**N.B! A shadeplus is not possible** if the awning is fitted with **lighting in the cover support tube!**

Version 6: LED spotlights in two cover support tubes, electronics in the cover support tubes



dimensions in mm

**N.B! A shadeplus is not possible** if the awning is fitted with **lighting in the cover support tube!**

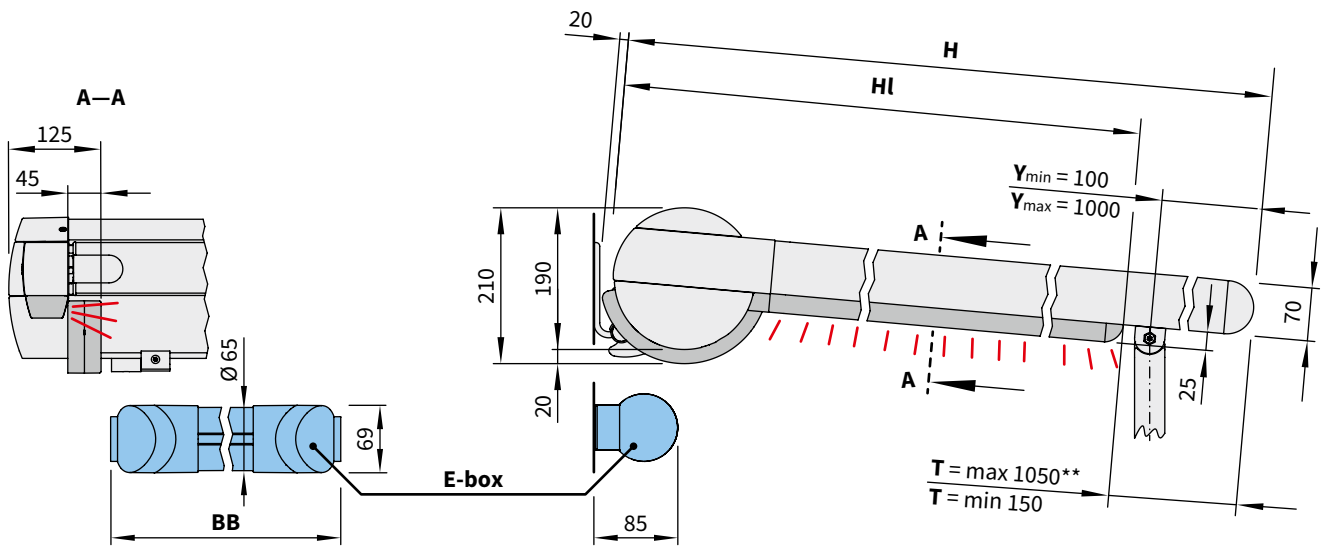
H = nominal extension = **order extension**

V = distance from the rear of the cassette to the centre of the (rear) cover support tube.

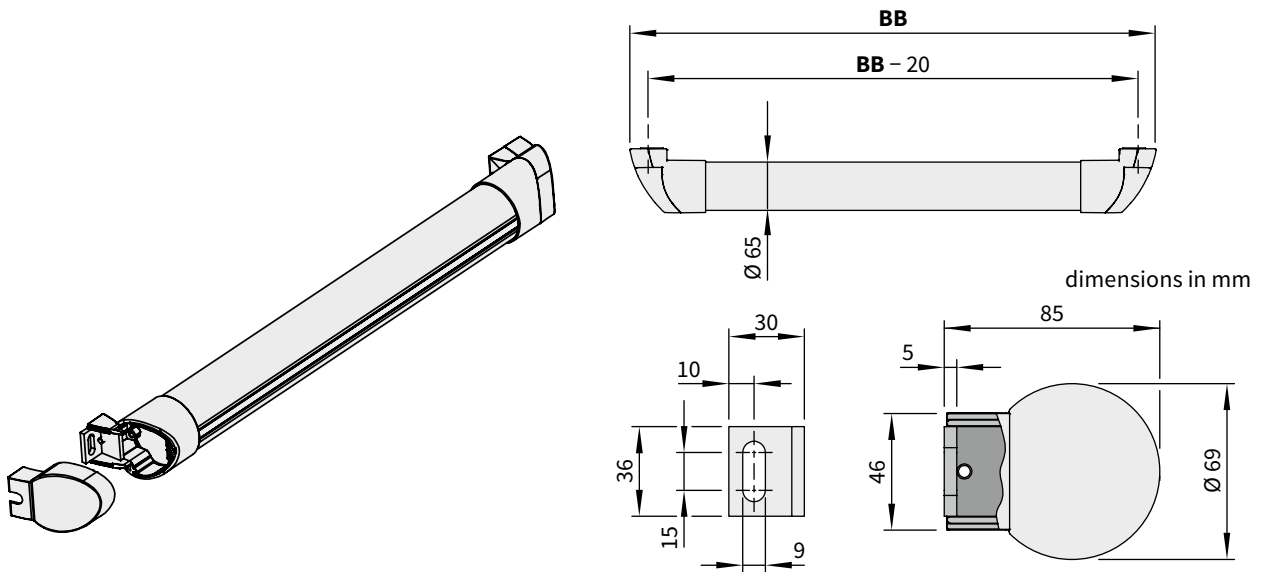
Y = dimensions: min. = 500 mm, max. =  $H - 500$  mm

Z = distance from the centre of the rear cover support tube to the centre of the front cover support tube. dimensions: min. = 500 mm, max. = 2500 mm

01 **Electronics in an E-Box** (for units without cover support tube)



11 **Dimension overviews E-box**



14 **Minimum sizes E-box**

No.	E-box	Width BB [mm]	RTS radio LED line	io radio LED line
73831.	K	690	lighting track <b>HI up to max. 3350 mm</b>	—
73833.	M	1240	lighting track <b>HI longer than 3351 mm</b>	lighting track <b>HI up to max. 3350 mm</b>
73835.	G	1890	—	lighting track <b>HI longer than 3351 mm</b>
73837.	I	individual		

\*\* = standard

A—A = in cross section

BB = order width

E-box = sizes K, M, G or I

H = nominal extension

HI = lighting track = H – T

T = recess measurement **lighting track**

Y = possible distance front support posts can be moved back



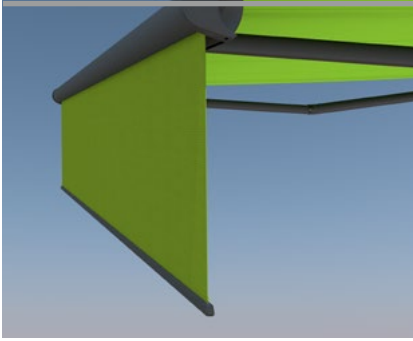
## markilux planet

Well shaded – thanks to this innovative markilux awning system

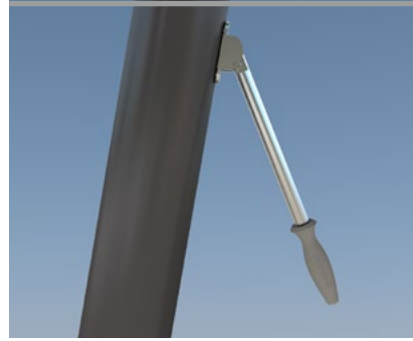
With new base covers



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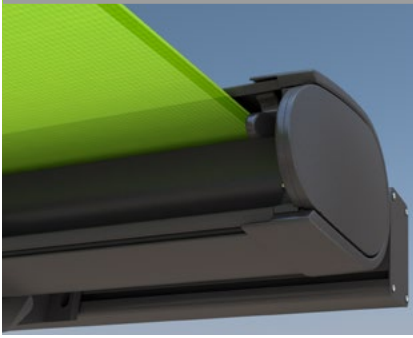


Extended solar and visibility protection through the markilux shadeplus (optional)



markilux planet flex: rotatable through Easy Go turn/lever mechanism

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the appearance of the markilux planet harmonises perfectly with the "body language" of markilux folding-arm awnings



planet flex: the turning range can be engaged conveniently in ten steps of 30° each, to a total of 300°

New, attractively formed cover for the assembly base

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## Design Features

Awarded the PLUS X AWARD as "Best product of the year"

the ideal way to uniquely personalise your favourite spot in the garden or even in hotels or restaurants

functional, unique appearance, elegant design

the appearance of the markilux planet harmonises perfectly with the "body language" of markilux folding-arm awnings

Available in seven standard frame colours at no extra charge

the extensive range of colours and the 250 fabric patterns in the markilux collection mean that the range of options is virtually unlimited

## Technical Specification

Awarded the PLUS X AWARD in the categories Innovation, High Quality, Design and Functionality

available in two versions: fixed in place as the markilux planet fix or optionally as the markilux planet flex which can be rotated by up to 335°.

The prerequisite for installation of the markilux planet is concrete foundations

depending on the model, folding-arm awnings up to 600/610 cm x 300 cm or 500/510 cm x 350 cm can be fitted

## Accessories

for individual awning model descriptions as well as the available colours, optional accessories and bespoke options please consult the current markilux sales documentation for markilux patio & balcony awnings

polyester powder coating in non-standard colours is available to individual order (prices on request, longer lead time)

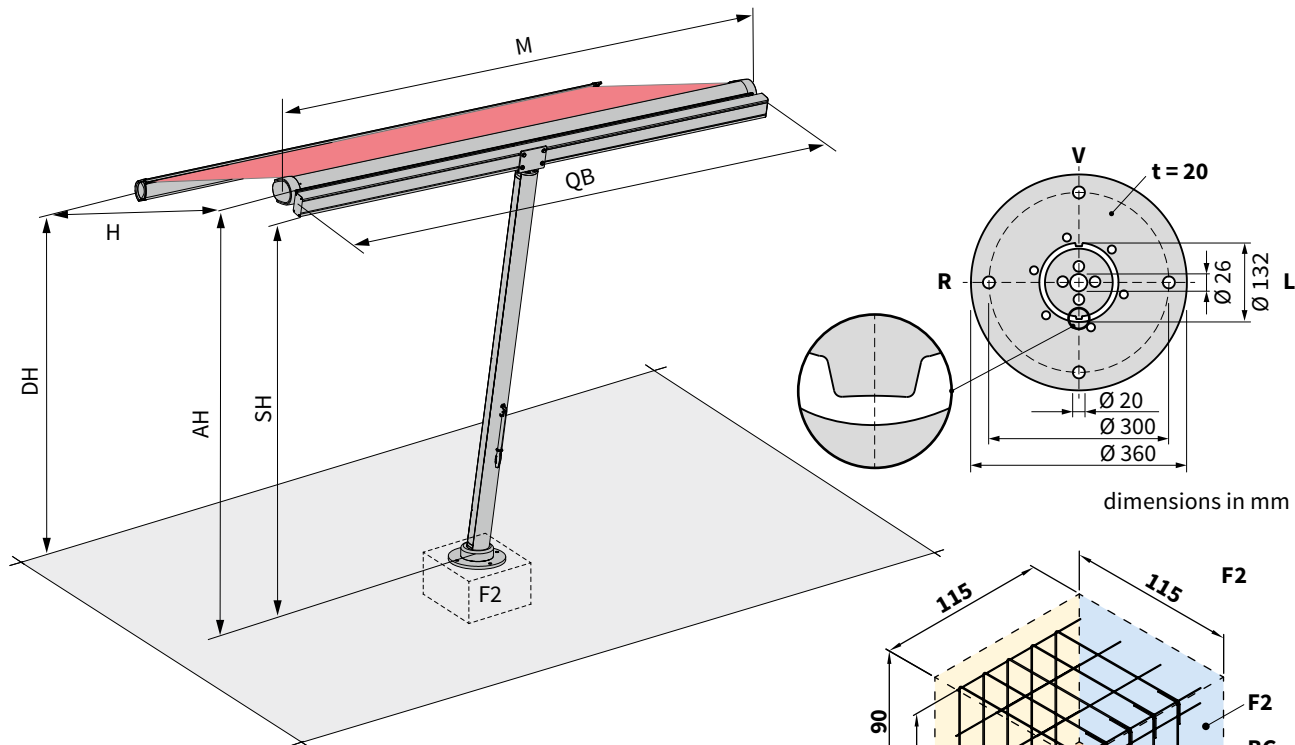
the markilux planet flex can be rotated by virtue of the Easy Go turn/lever mechanism

the markilux shadeplus is available in accordance with the awning model and size

Column available in intermediate height

Attractively formed cover for assembly base

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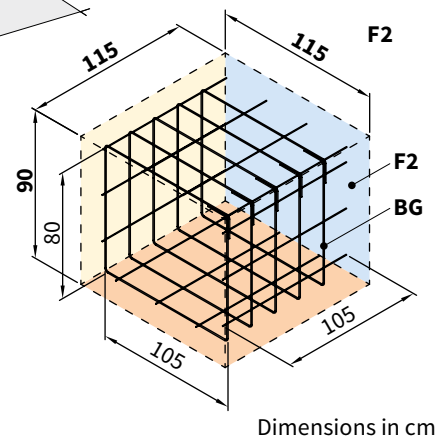


- M** = overall awning width = length of cross beam
- QB** = length of cross beam
- AH** = unit height
- DH** = headroom
- H** = nominal projection
- F2** = concrete footing
- SH** = support post height
- BG** = armoured cage made from rebar matting Q188
- V** = front
- R** = right
- L** = left
- t** = material thickness (in mm)

**Frame colours**

		standard	optional
traffic white	RAL 9016		
metallic aluminium	RAL 9006		
grey brown	similar to RAL 8019		
off-white textured finish*	5233		
stone grey metallic*	5215		
anthracite metallic*	5204		
Havana brown textured finish*	5229		
non-standard powder-coated finish			

\* = textured finish



**Covers, Operation, Drive options, Dimensions and tolerances / Miscellaneous**

This data depends on the individual model. Details can be found in the technical documentation relating to each specific model.

**On site, the following have to be prepared as per the drawing for every post:**

- Concrete foundations (F2) with a compressive strength of C25/30 (previously B25) with a reinforcement cage made of rebar matting Q188
- Mounting of the base plate onto concrete foundations (F2) with Fischer anchor bolts FAZ II 16/50 made of A4 stainless steel with washer acc. DIN 9021 (or equivalent)
- Observe mounting instructions by the respective manufacturer!

**GUIDELINE:** In order to guide the power cable to the awning through the base plate and post, plan in a duct in the foundations. Alternatively a power supply cable can be run round the foundations and up through the post.

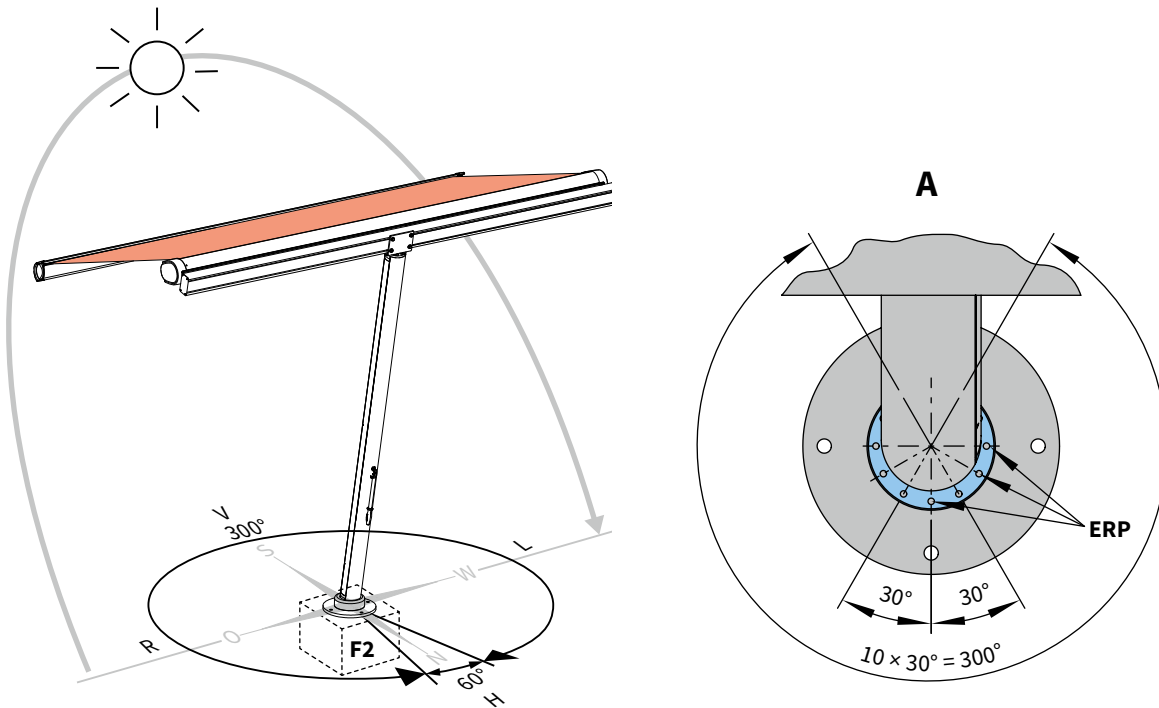
**Planning permission**

Caution: Please observe that shade systems may be subject to compulsory planning permission regulations depending on the region.

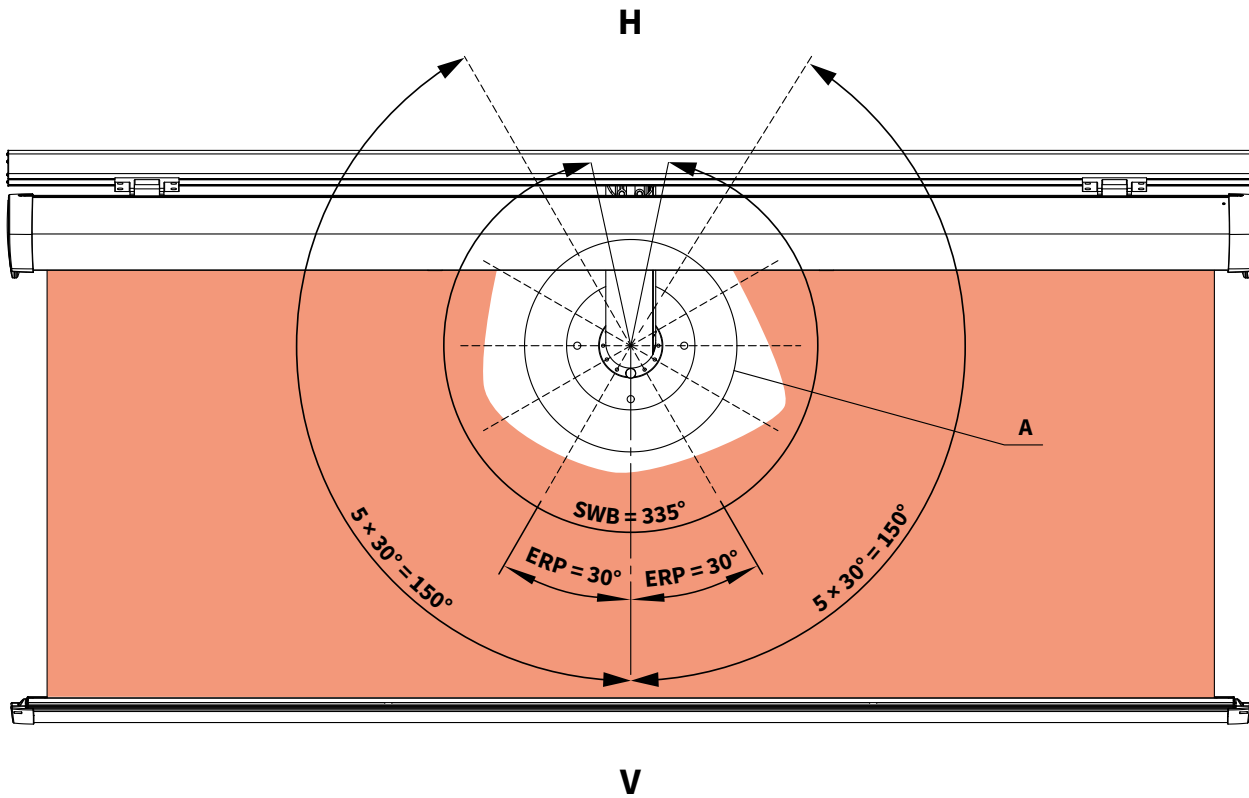
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01 **Swivel range markilux planet flex**

02 By virtue of the Easy-Go turn/lever mechanism, the markilux planet flex has a predetermined locking range of 300°.  
 03 In order to make optimum use of the possible shade area, the remaining 60° are to be aligned to the north.



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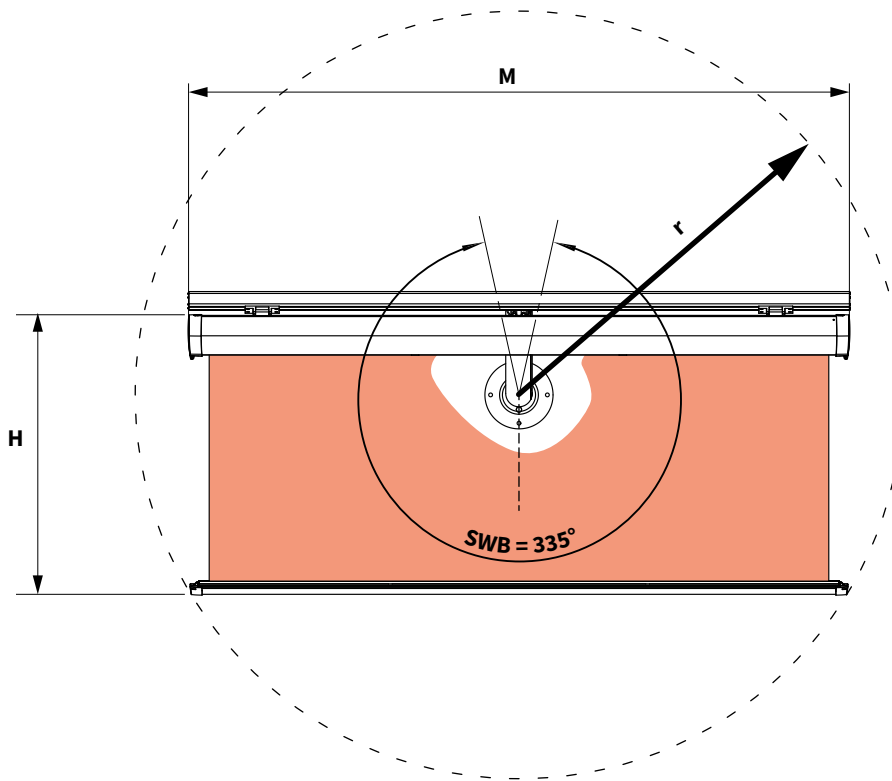
**SWB** = rotation range  
**ERP** = locking point  
**A** = detailed view

**H** = back  
**V** = front

**R** = right  
**L** = left

## Turning radii of the markilux planet flex

**N.B!** In order to make full use of the rotation range of the markilux planet flex, no object should be placed or left inside the specified radius.



Depending on the model, markilux folding-arm awnings up to **600/610 cm x 300 cm** or **500/510 cm x 350 cm** can be fitted.

**Please observe the size tables for the respective models!**

### Turning radii (r) of the markilux planet flex with markilux awnings

markilux ES-1, 6000, 5010, 3300 pur, 1700, 1710, 1300 Basic, 990, 930 swing

markilux 1500, 1600, 1650

		M							
		250	300	350	400	450	500	550	600
H	150	163	183	204	226	248	271	294	318
	200	199	215	234	253	273	294	316	338
	250	—	254	269	286	304	323	343	363
	300	—	—	309	324	340	357	375	394
	350	—	—	—	364	379	394	—	—

		M							
		260	310	360	410	460	510	560	610
H	150	167	187	208	230	253	276	299	323
	200	202	219	238	257	277	298	320	342
	250	—	257	273	290	308	327	347	367
	300	—	—	312	327	343	360	378	397
	350	—	—	—	367	382	397	—	—

### Turning radii (r) of the markilux planet flex with markilux stretch awnings

markilux 1600 stretch

markilux 1700 stretch, 1710 stretch

		M							
		150	175	200	225	250	300	350	400
H	150	129	136	—	—	—	—	—	—
	200	172	178	184	191	—	—	—	—
	250	—	222	228	233	240	—	—	—
	300	—	—	273	278	284	295	—	—
	350	—	—	—	325	329	339	351	—

		M							
		160	185	210	235	260	310	360	410
H	150	132	140	—	—	—	—	—	—
	200	174	180	187	194	—	—	—	—
	250	—	224	230	236	242	—	—	—
	300	—	—	275	280	286	298	—	—
	350	—	—	—	326	331	342	354	—

Dimensions in cm

**SWB** = rotation range  
**ERP** = locking point  
**r** = swivel radius

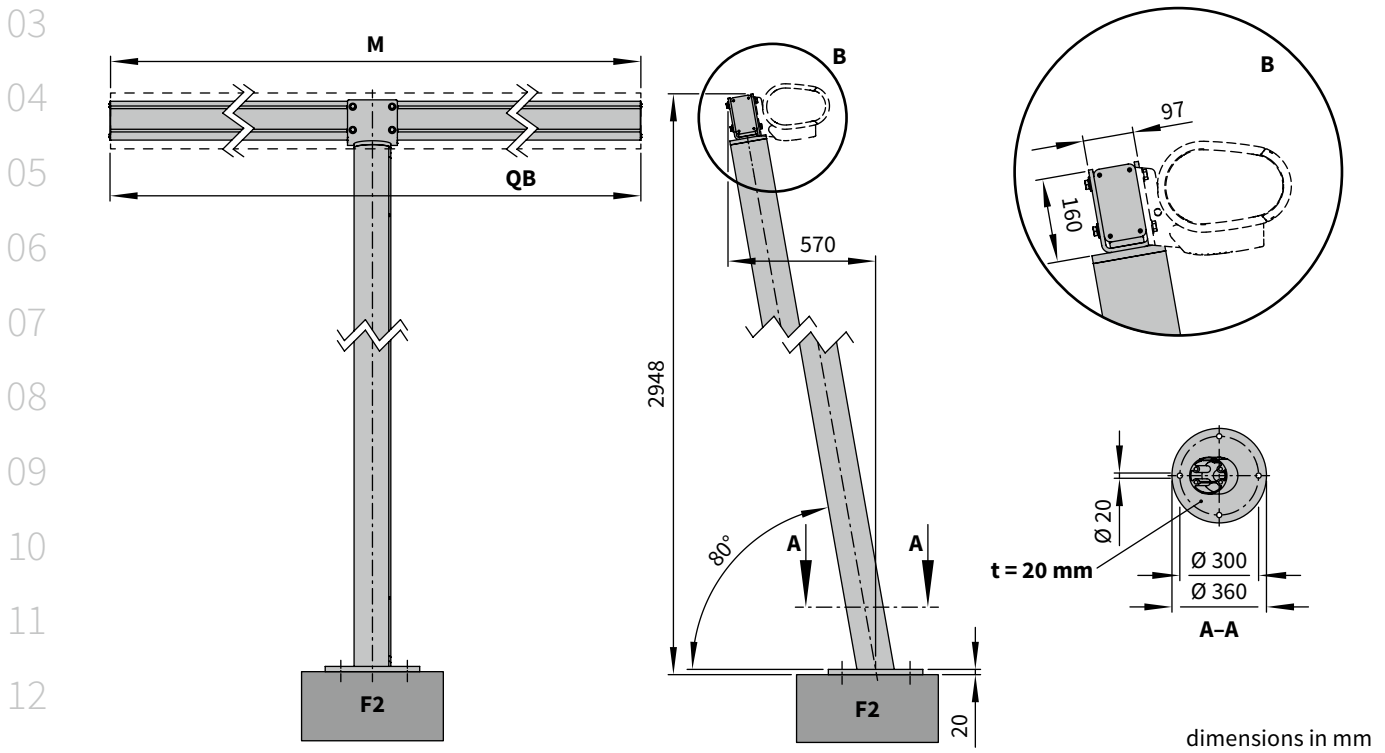
**M** = overall awning width  
**H** = nominal projection

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01 **Dimension overviews**

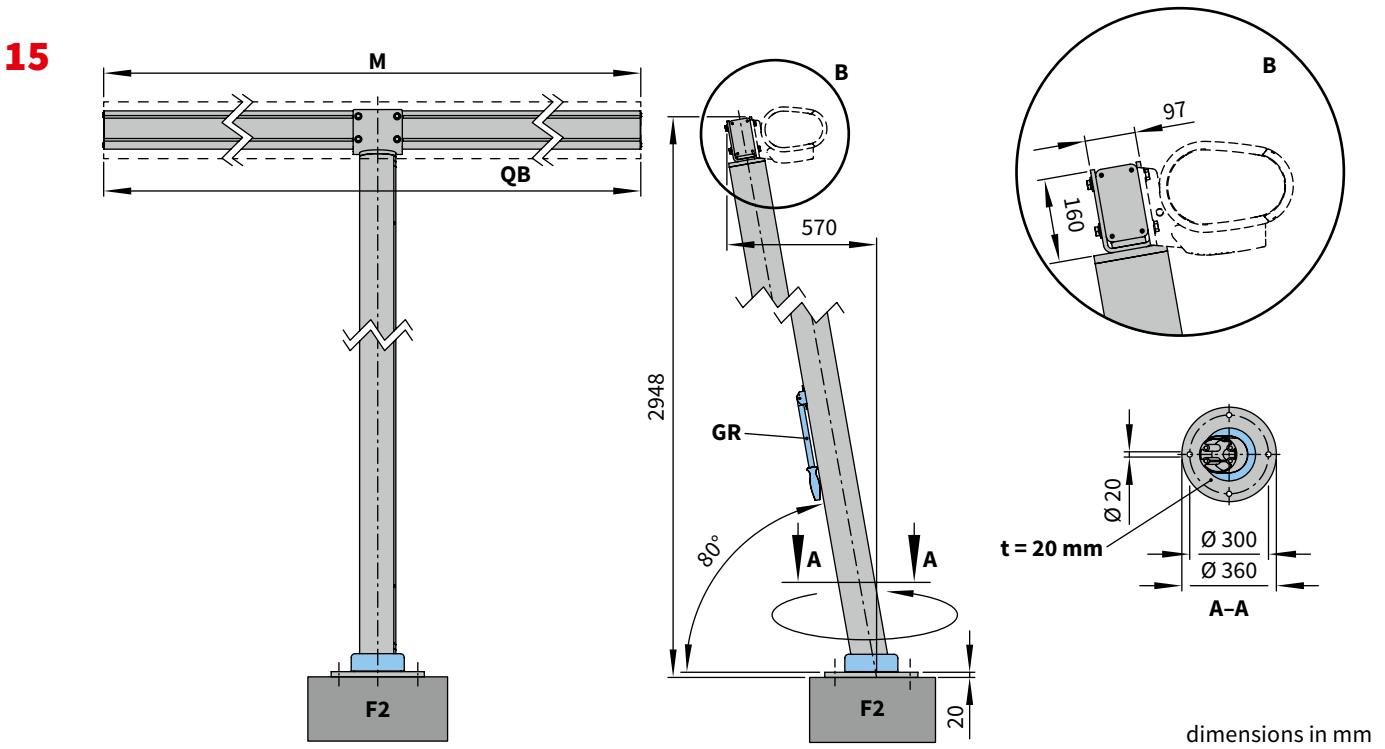
02 **Dimension overview markilux planet fix (fixed in place)**

Illustrated by way of the markilux 6000



15 **Dimension overview markilux planet flex (can be rotated)**

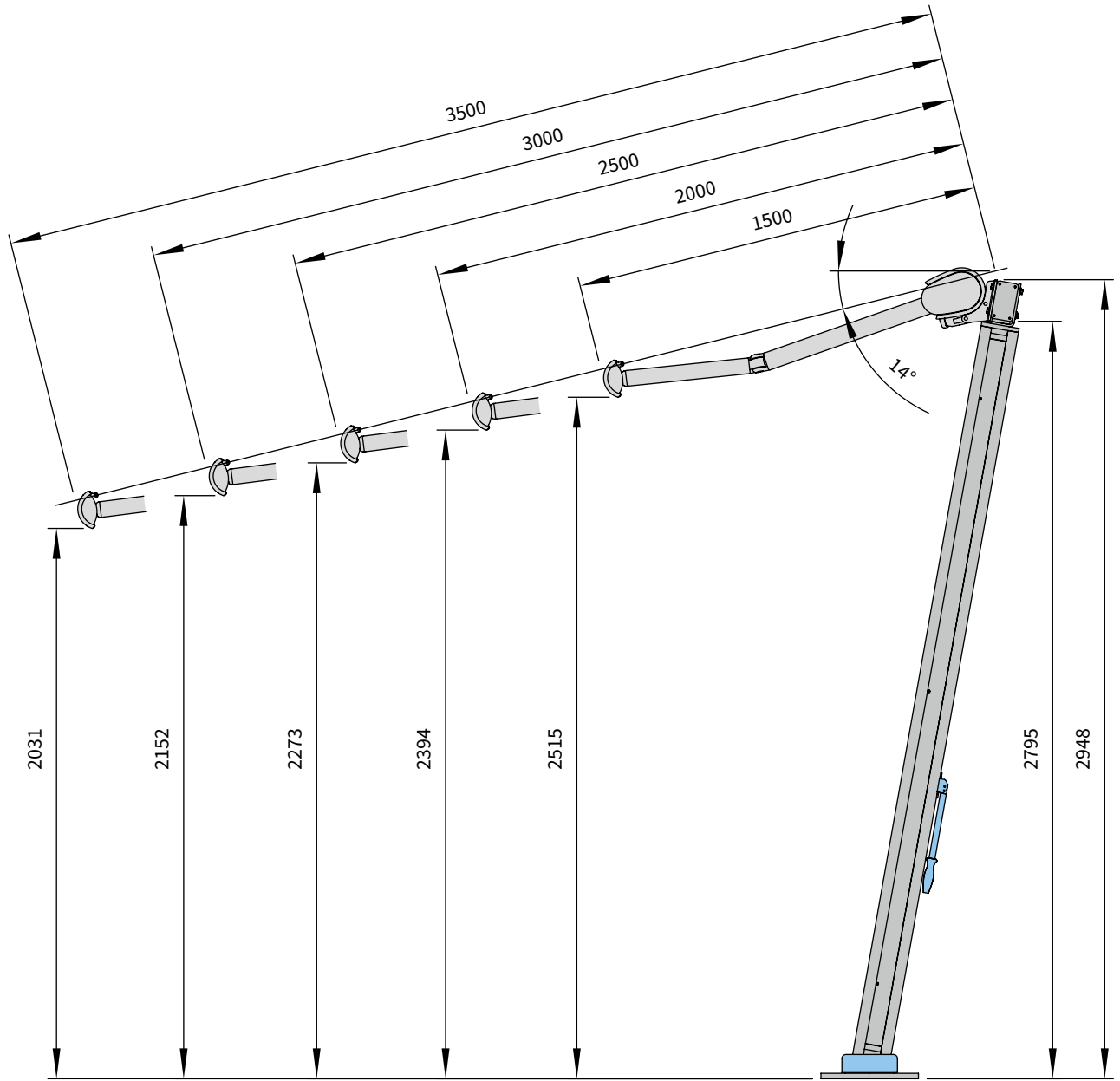
Illustrated by way of the markilux 6000



- M** = overall awning width = length of cross beam
- QB** = length of cross beam
- F2** = concrete foundation with armour matting basket
- t** = material thickness
- GR** = handle
- B** = detailed view
- A—A** = in cross section

# Headroom in relation to projection

markilux planet fix and markilux planet flex



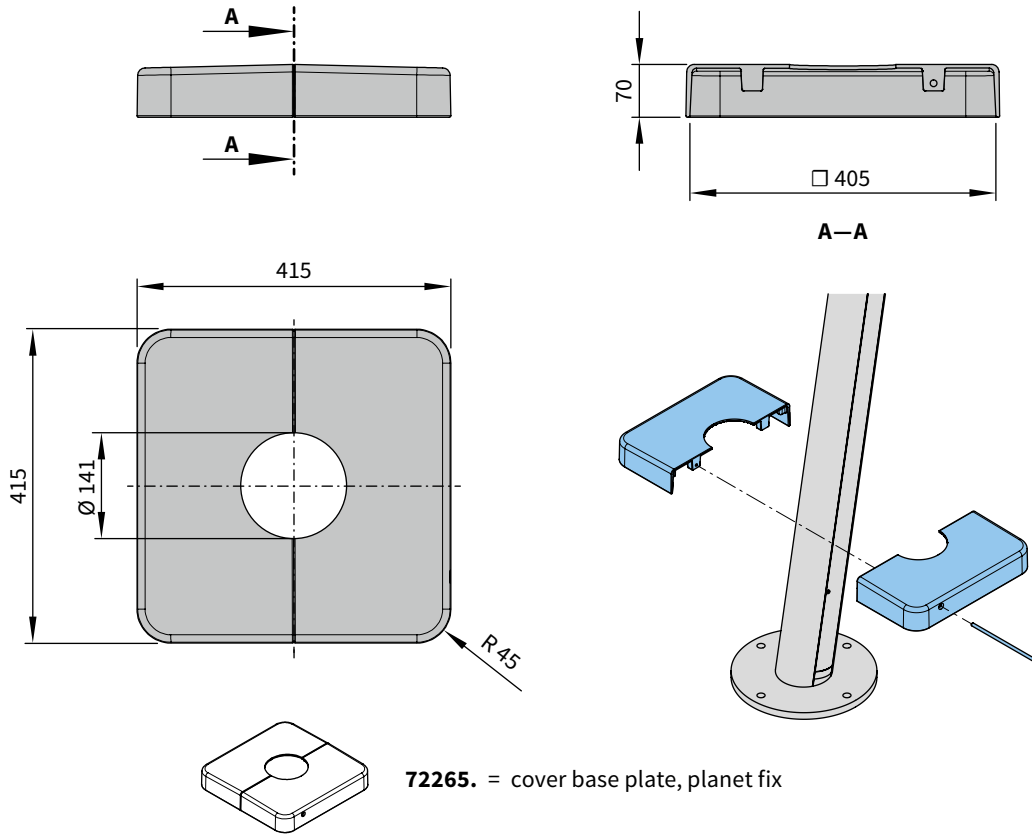
dimensions in mm

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01 **Base cover**

02 For markilux planet fix



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For markilux planet flex

