



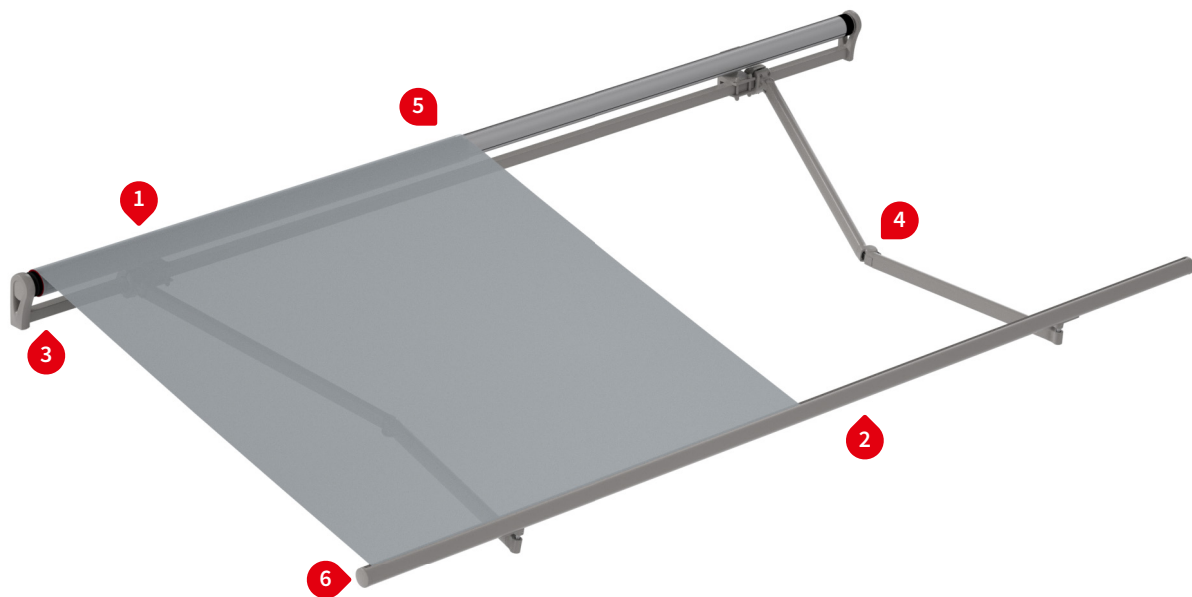
Open style folding-arm awning

## **markilux 1300**

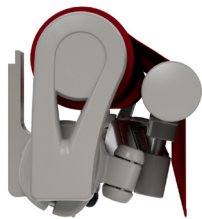
The entrance model with proven technology.

## Product Characteristics

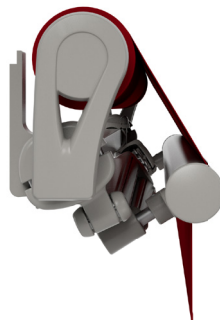
Wind resistance class 1 | 2 (depending on size)  
Beaufort 5 → 28–37 km/h → 7,5–10,4 m/s



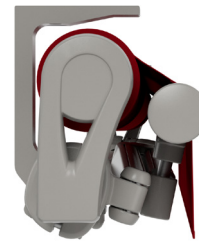
1) face fixture



1) face fixture, maximum pitch of 55°



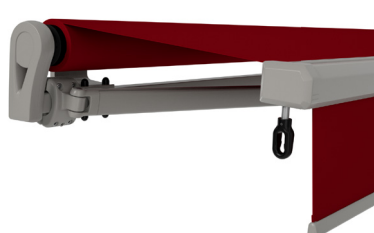
1) top fixture



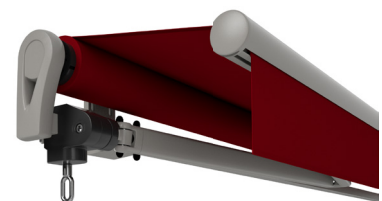
2) shadeplus<sup>1)</sup>



2) shadeplus, during extension<sup>1)</sup>



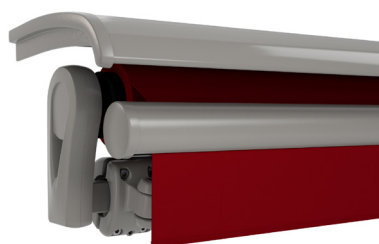
3) pitch adjustment gear<sup>1)</sup>



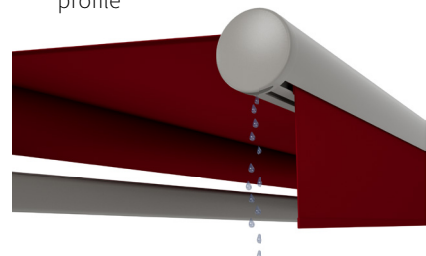
4) twin steel-link chain, corrosion protected



5) aluminium coverboard<sup>1)</sup>



6) unique water drainage system and hidden cover pocket in the front profile



1) Optional accessories

## Product Characteristics

### Description

- classic open style folding-arm awning with square torque bar, suitable for shading large areas.

### Special features

- option of a drop valance up to a projection of 350 cm – vertical protection against low-lying sun and inquisitive glances integrated into the front profile, can be operated manually
- Optional wireless io-dimmable LED Line lighting in the folding arms which provides uniform illumination under the awning
- option of a pitch adjustment gear – the pitch of the awning is effortlessly altered by way of a special gear mechanism in the torque bar, operated exclusively by crank handle and infinitely adjustable in a range between 4°–54° or 35°–85 (maximum projection 300 cm / only in awnings with 2 folding arms)

### Dimensions

- cassette in the standard version: depth 212 mm, height 232 mm
- single unit: minimum width 167 cm at the smallest projection of 150 cm
- maximum width 700 cm at the largest projection of 400 cm
- also available as a coupled unit

### Roller tube and lateral bearings

- round roller tube Ø 85 mm with keyway, galvanised steel – excellent stability, ensures near perfect cover performance even at the largest widths
- the roller support brackets are made of extruded aluminium, completely hidden within decorative end caps

### Awning profiles

- extruded aluminium, in façade quality, powder coated
- square steel torque bar 40 × 40 mm, galvanised both inside and out, powder coated
- circular front profile with integrated valance keyway

### Folding arms

- profiles in extruded aluminium, in façade quality, powder coated
- moving parts made of drop-forged aluminium – the arms are therefore extremely fracture resistant
- pivot bolts in stainless steel run in Teflon-coated bronze bushes - practically maintenance free, virtually silent and extremely hard wearing
- power transference via corrosion-protected twin steel-link chains at the elbow joint
- Articulated arms with LED Line option as standard with markilux Bionic tendon at the elbow joint

### End caps

- the end caps covering the roller support brackets are made of high-quality plastic, in two sections, dyed right through or powder coated
- the front profile end caps are made of high-quality plastic, powder coated

### Fixture brackets

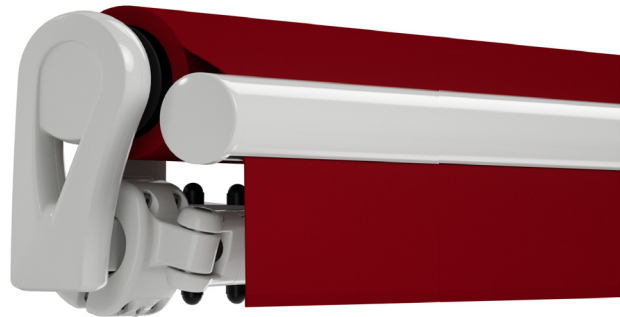
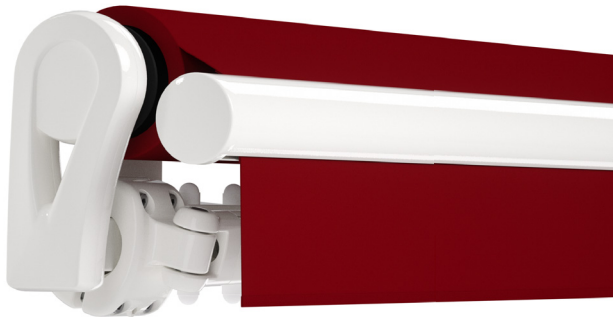
- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- awning pitch adjustment range 5° to 55°
- spacer plates, stand-off brackets and other accessories are available

## Frame and end cap colours

markilux frame colours without surcharge

traffic white, RAL 9016

metallic aluminium, RAL 9006








### Non-standard powder-coated finish

Bespoke frame colours incur a surcharge – matt, metallic, finely textured and pearl finishes as well as other colour ranges (DB, Tiger etc.) on request. All frame colours are available at a surcharge with enhanced corrosion protection.

Colours may differ slightly from those depicted in both hue and finish.

## Dimensions and configuration options

### Single unit

		Awning width										Minimum widths				
		250	300	350	400	450	500	550	600	650	700 <sup>1)</sup>	Motor			Crank handle	
Order dimensions		168 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700					
H	150											181	168	—	184	171
	200	2)										231	218	—	234	221
	250	—	2)									281	268	—	284	271
	300	—	—	2)								331	318	—	334	321
	350	—	—	—	2)					1)		381	368	—	384	371
	400 <sup>1) 3)</sup>	—	—	—	—	2) 4)	4)	4)	4)	2) 4)	4)	431	418	639	—	—

Dimensions in cm


1) = only available with motor drive (surcharge)


2) = please note the minimum widths!


3) = drop valance not available

4) = meets wind resistance class 1, all other sizes meet wind resistance class 2


H = projection


 = 2 folding arms  
2 brackets

 = 2 folding arms  
4 brackets

 = 3 folding arms  
5 brackets, 1 rolltex bearing

 = 2 standard arms

 = 2 bespoke arms (surcharge)

 = 3 standard arms

### Operation

	standard	optional
crank handle	✓	—
spring-assisted crank handle	—	✓
hard-wired motor	—	✓
silentec motor	—	—
silentec motor with an external with an external io receiver	—	—
radio-controlled motor io, 868 MHz	—	✓
radio-controlled motor RTS, 433 MHz	—	✓
868 MHz Radio-controlled motor io with manual override	—	—

### Coupled awning (motor drive)

2 fields, 1 motor, maximum width 1390 cm
3 fields, 1 motor, maximum width 1950 cm
maximum projection (depending on the width) 400 cm
junction roller
optional One-piece cover (max. 2 fields/width 1386 cm / projection 400 cm / 15° pitch)

1) N.B! Important background information can be found in the chapter "General Information", in the section "Coupled Awnings"

Awning cover	fabric pattern no.	standard	optional
sunvas	300.. - 315..	✓	—
sunsilk	324.. / 328.. / 369..	✓	—
sunbow	411.. - 427..	✓	—
smart art	340..	—	✓
perla FR	371.. / 372..	—	✓
valance, height 20 cm		✓	—

### Shadeplus <sup>1)</sup>

	standard	optional
height 210 cm		
max. projection 350 cm		
crank handle	✓	—
hard-wired motor	—	—
radio-controlled motor io, 868MHz	—	—
radio-controlled motor RTS, 433MHz	—	—
fabric pattern sunvas / sunsilk / sunbow / transolair / vuscreen Alu / glass fibre screen Serge 600		

1) Only available in plain seamless fabrics (oversized, fabric width >120 cm) or in plains with a horizontal joint (fabric width 120 cm)



Optional accessories

shadeplus, manual
manual pitch adjustment gear
aluminium coverboard
infrared heater 2500 W
infrared heater 2500 W with integrated radio-controlled receiver 868 MHz Funk io
LED-spotline – light bar 110 × 70 mm with 5 W LED-spotlights, 180 cm / 3 spots or 300 cm / 5 spots
LED spotline io – light bar 110 × 70 mm with 5 W LED spotlights with integrated dimmable radio-controlled receiver, width 180 cm / 3 spots or 300 cm / 5 spots
LED Lines in the folding arms
automatic controls (light, wind, rain)


N.B. Important background information can be found in the chapter “Optional Accessories”

Fixture options

wall bracket 100 mm	71664.
wall bracket 60 mm	71665.
fixture plate A 430 × 160 × 12 mm	75326.
fixture plate B 300 × 400 × 12 mm	75325.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	701104
vertical fixture rail	62421.
stand-off bracket 80–300 mm	77968.
stand-off bracket 80–300 mm	77967.
top fixture bracket 90 mm	71666.
top fixture bracket 60 mm	71667.
eaves fixture bracket 90 mm, plate 150 mm	75889.
eaves fixture bracket 90 mm, plate 270 mm	71659.
flat plate and angled bracket for eaves fixture, machine finish aluminium, 500 mm	716620
spreader plate 260 × 60 × 12 mm for eaves fixture bracket	75383.

Lighting options

LED Lines in the folding arms



fixture to a angular torque bar 40 mm

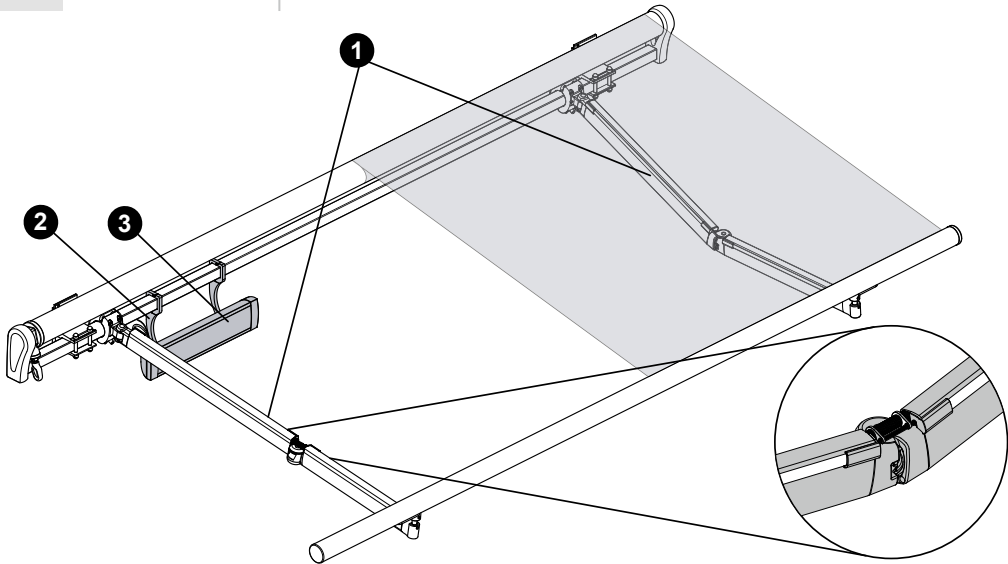
incl. clamp plate

**76959.**

After fitting the awning, the E-box is to be affixed to the torque bar on the drive side between the folding arms - it is fitted on the bearing side only when the awning has a shadeplus with motor. For coupled awnings, the E-box must be mounted in the area near the coupling point.

Power is supplied to the E-box through a cable duct attached to the torque bar.

N.B! If the awning has 3 folding arms (from 650cm x 350 cm), lighting in the folding arms is not available.



Technical specification

operating voltage	230 V, 50 Hz
power output per metre	8 W / metre
number of LEDs per metre	150 LEDs / metre
light source	LED (12 V)
light temperature	warm white
IP protection class	IP 67
service life	approx. 15.000 h

- 1 = LED Line in the folding arms
- 2 = E-Box bracket (76959.)
- 3 = additional E-Box

# Pitch adjustment gear

Ideal for providing more solar shading on your balcony

Available in awnings with 2 folding arms and a maximum projection of 300 cm.

When extended the crank handle allows you to change the pitch quite easily and noiselessly in a range between 4–54° or 35–85° (needs to be entered at the time of order).

The gearbox operation eye can be fitted to either the left or right arm without a problem on site.

All the components needed to adjust the pitch of the awning are hidden away inside the torque bar and so protected from the elements.

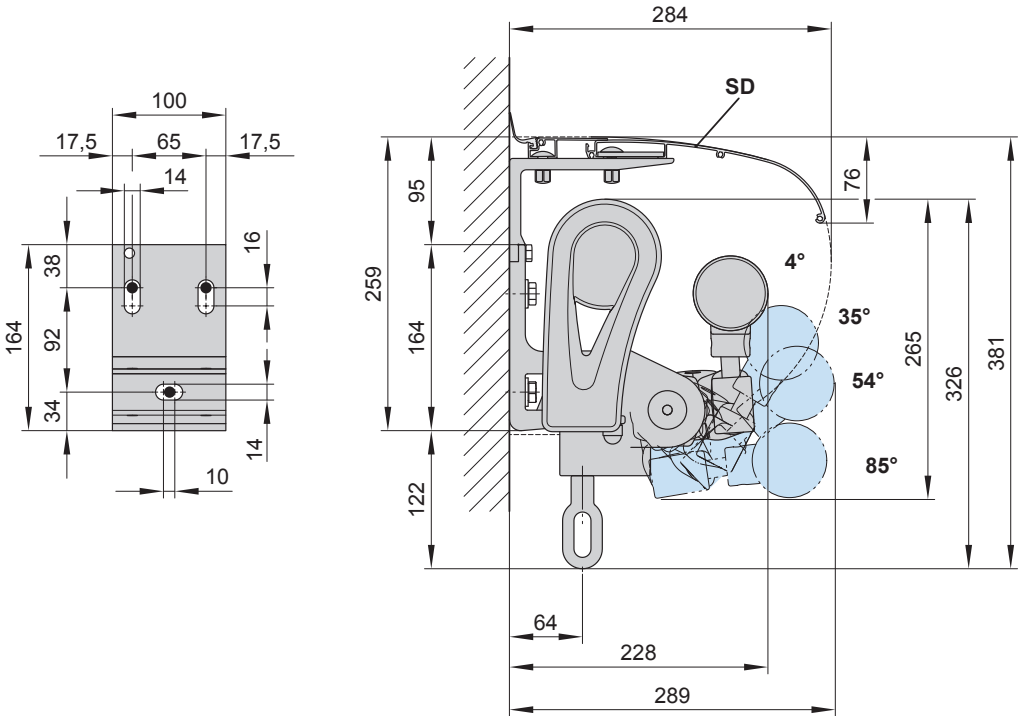
By virtue of the integrated pitch adjustment option, the arms can be effortlessly levelled.

The pitch adjustment gear is supplied in white with white awnings and in black with any other colour.

**Attention:** The inclination adjustment drive must only be operated when the awning is extended. Any adjustment with the awning retracted results in malfunctions! Any adjustment with the awning retracted results in malfunctions!

Minimum width for awnings with pitch adjustment gear			
Awning with standard arms		Awning with bespoke arms	
H	150	200	200
	200	250	238
	250	300	288
	300	350	338

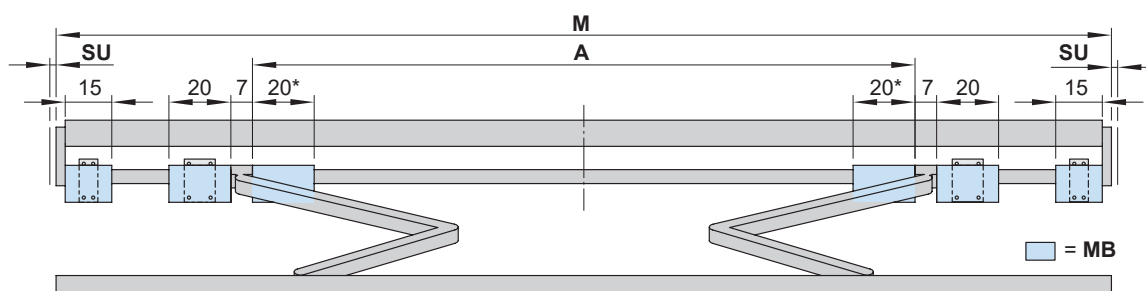
dimensions in cm



71664. = wall bracket 100 mm
- H = order dimension = projection
- SD = Aluminium coverboard

## Bracket fixture range

Awning with 2 folding arms



Dimensions in cm

		Overall awning width								
		250	300	350	400	450	500	550	600	650
Order dimensions		167	251	301	351	401	451	501	551	601
		250	300	350	400	450	500	550	600	650
		Arm position A								
H	150	156 <sup>1)</sup>	206	240	275	310	345	375	415	450
	200	206 <sup>2)</sup>	206 <sup>1)</sup>	240	275	310	345	375	415	450
	250	—	256 <sup>2)</sup>	256 <sup>1)</sup>	275	310	345	375	415	450
	300	—	—	306 <sup>2)</sup>	306 <sup>1)</sup>	310	345	375	415	450
	350	—	—	—	356 <sup>2)</sup>	356 <sup>1)</sup>	375	375	415	—
	400	—	—	—	—	406 <sup>2)</sup>	406	406	415	—
BHT		No. of brackets   No. of fixing points								
W	6	—					2   4			
	10	2   6					2   6			
BP		A 2   16 B 2   8					A 2   16 B 2   8			
DP		—					2			
PA		2   8					4   16			
DE	6	—					2   4			
	9	2   8					2   8			
DA	9	2   8					4   16			

dimensions in cm

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

- 1) = coupled awnings are available in intermediate widths with a junction roller on request  
 2) = please note the minimum widths! Dimension **A** is only valid for standard arms! In the case of bespoke arms: **A** minus 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**. Coupled units are not available with a junction roller.

The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the [pro.markilux.com](http://pro.markilux.com) website under "Pull-out Forces".

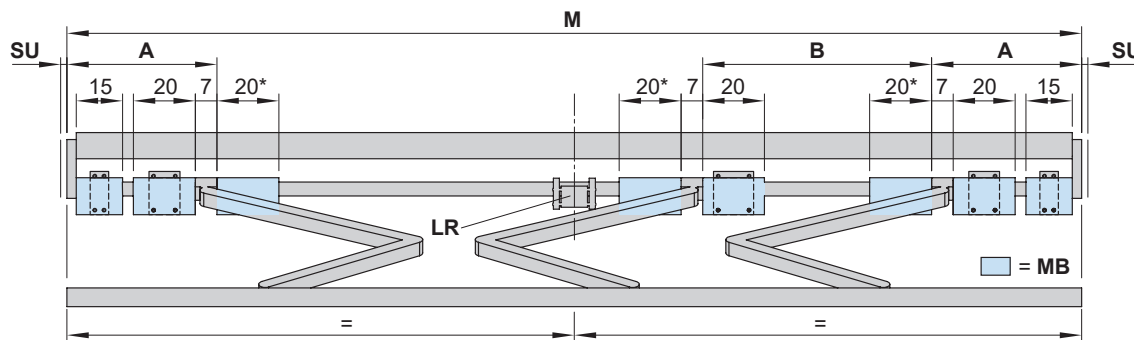
- \* = Inner mounting area only possible with an awning pitch up to max. 25°  
**A** = arm position  
**BHT** = bracket width  
**BP** = spreader plate **A** or **B**, to be positioned behind the folding arm  
**DA** = eaves fixture brackets  
**DE** = top fixture brackets

- DP** = spacer plate 71642., fitting area at outer brackets  
**H** = **order dimension** = extension  
**M** = **order width** = awning width  
**MB** = bracket fixture range  
**PA** = markilux panel, fixture profile, width 250 mm  
**SU** = coverboard overhang 2 cm  
**W** = face fixture brackets



## Bracket fixture range

Awning with 3 folding arms



Dimensions in cm

Order dimensions		Awning width									
		650						700			
		601		614		639		651		694	
		613		650		650		693		700	
		Arm position									
		A	B	A	B	A	B	A	B	A	B
H	150	—	—	—	—	—	—	55	240	55	240
	200	—	—	—	—	—	—	55	225	55	225
	250	—	—	—	—	—	—	55	210	55	210
	300	—	—	—	—	—	—	55	200	55	200
	350	29 <sup>1)</sup>	180 <sup>1)</sup>	30 <sup>1)</sup>	190 <sup>1)</sup>	—	—	50	190	55	190
	400	—	—	—	—	12 <sup>1) 2)</sup>	204 <sup>1) 2)</sup>	17 <sup>1)</sup>	204 <sup>1)</sup>	30 <sup>1)</sup>	204 <sup>1)</sup>
BHT		No. of brackets   No. of fixing points									
W	6	2   4									
	10	3   9									
BP		A 3   24 B 3   12									
DP		2									
PA		5   20									
DE	6	2   4									
	9	3   12									
DA	9	5   20									

dimensions in cm

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

1) = coupled units are not available with a junction roller

The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the [pro.markilux.com](http://pro.markilux.com) website under "Pull-out Forces".

\* = inner mounting area only possible with an awning pitch up to max. 25°

A = arm position

BHT = bracket width

BP = spreader plate A or B, to be positioned behind the folding arm

DA = eaves fixture brackets

DE = top fixture brackets

DP = spacer plate 71642., fitting area at outer brackets

H = order dimension = projection

LR = rolltex bearing

M = order dimensions = awning width

MB = bracket fixture range

PA = markilux panel, fixture profile, width 250 mm

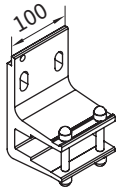
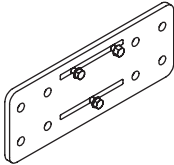
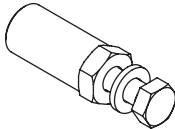
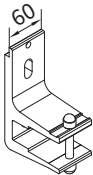

SU = coverboard overhang 2 cm

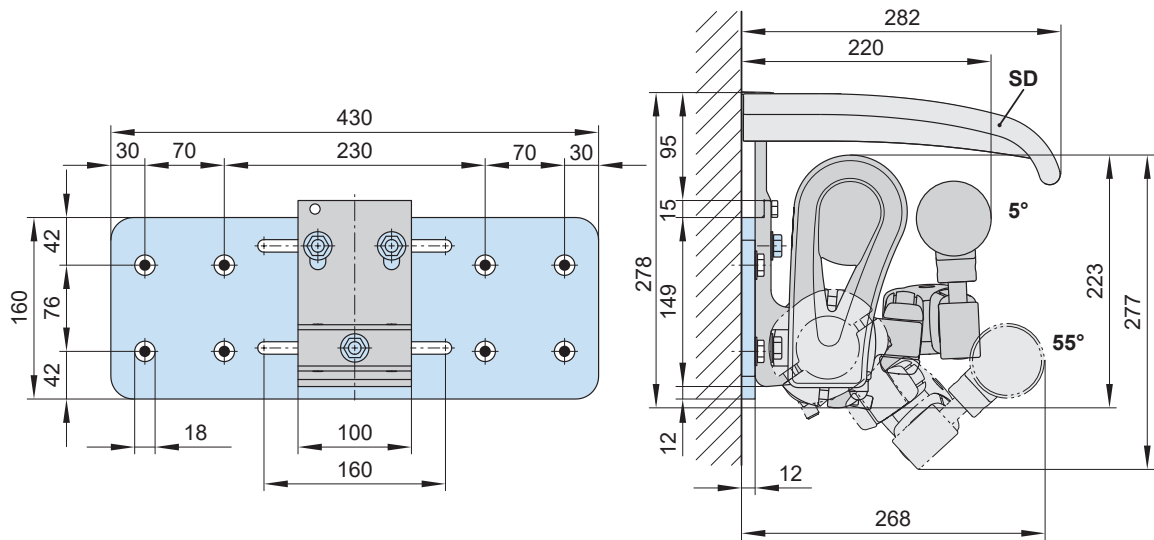
W = face fixture brackets



Face fixture with spreader plate A

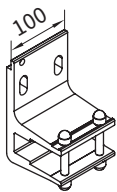
Fixtures, fittings and accessories

 <p>face fixture bracket 100 mm</p> <p>71664.</p>	 <p>spreader plate A face fixture 430 × 160 × 12 mm</p> <p>75326.</p>	 <p>reduction bolt pack 10 pcs</p> <p>M 16 → M 12   M 16 → M 10   M 12 → M 10   M 10 → M 10</p>
 <p>face fixture bracket 60 mm</p> <p>71665.</p>	 <p>spacer plate face / top 60 × 140 × 12 mm</p> <p>71642.</p>	



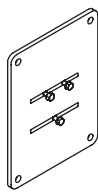
## Face fixture with spreader plate B

Fixtures, fittings and accessories



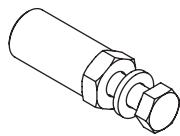
face fixture bracket  
100 mm

71664.



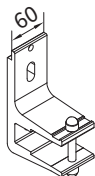
spreader plate B face  
fixture  
300 × 400 × 12 mm

75325.



reduction bolt  
pack 10 pcs

M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10



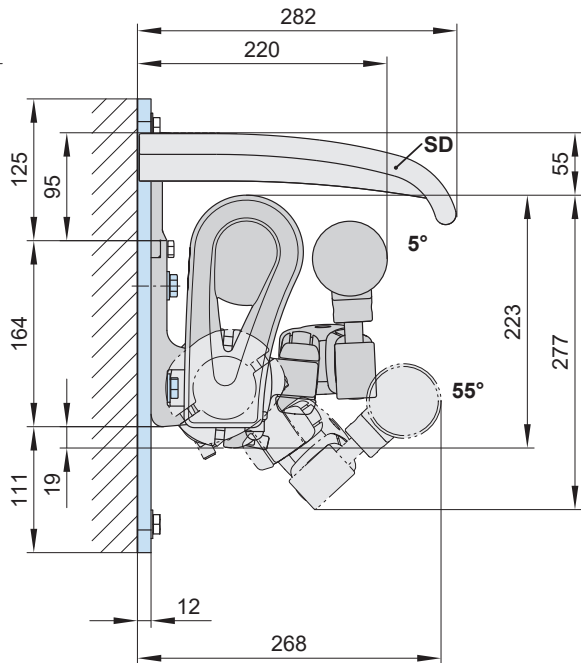
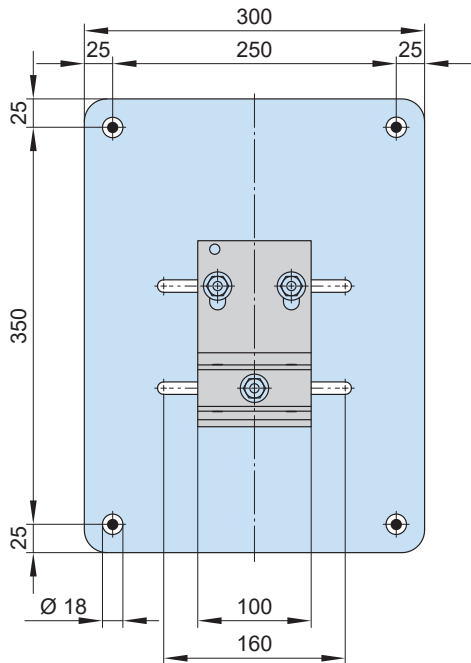
face fixture bracket  
60 mm

71665.



spacer plate  
face / top  
60 × 140 × 12 mm

71642.

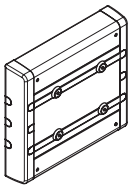
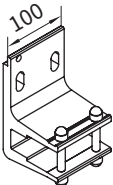
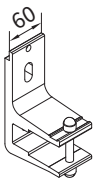


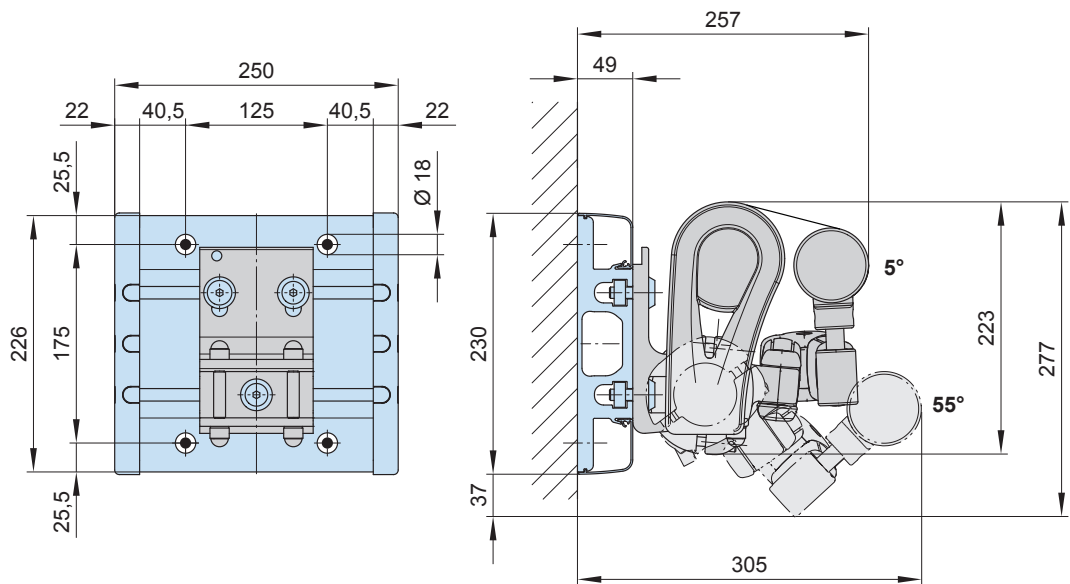
SD = aluminium coverboard

dimensions in mm

Face fixture using the markilux panel 250 mm wide

Fixtures, fittings and accessories

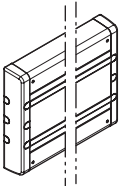
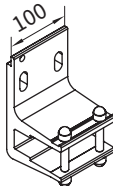
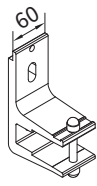
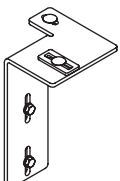
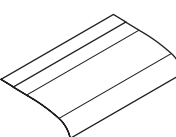
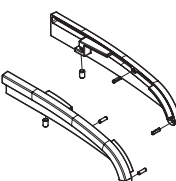
	markilux panel 250 x 230 x 49 mm  with decorative profiles and end caps		face fixture bracket 100 mm		face fixture bracket 60 mm
76308.		71664.		71665.	



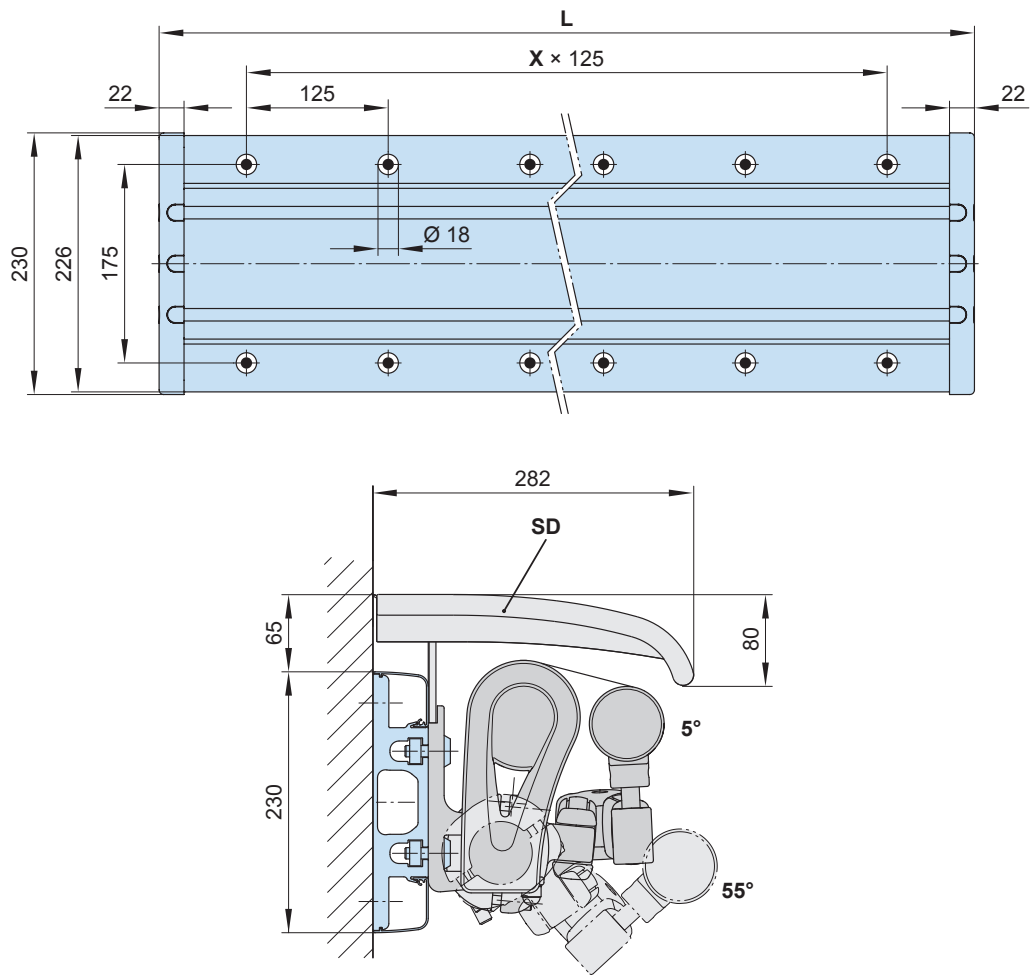
dimensions in mm

# Face fixture with markilux panel continuous

## Fixtures, fittings and accessories

	markilux panel continuous  with decorative profiles and end caps		face fixture bracket 100 mm		face fixture bracket 60 mm
701104		71664.		71665.	
	bracket coverboard		coverboard incl. additional profile and rubber sealing strip		side cover profile coverboard left and right
76390.		72015., 72019., 75970.		60915. and 60916.	

As a **continuous fixture profile** the markilux panel will always be supplied to order on the basis of a technical drawing prepared in the factory in accordance with the awning specification.




- L = individual width, max. 7000 mm
- SD = aluminium coverboard
- x = fixing point separation, **by way of example**

dimensions in mm



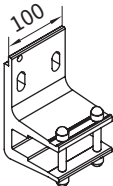
Face fixture with vertical fixture rail

Fixtures, fittings and accessories



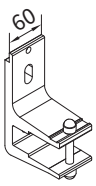
vertical fixture rail  
incl. fixing material  
624291

62421.



face fixture bracket  
100 mm

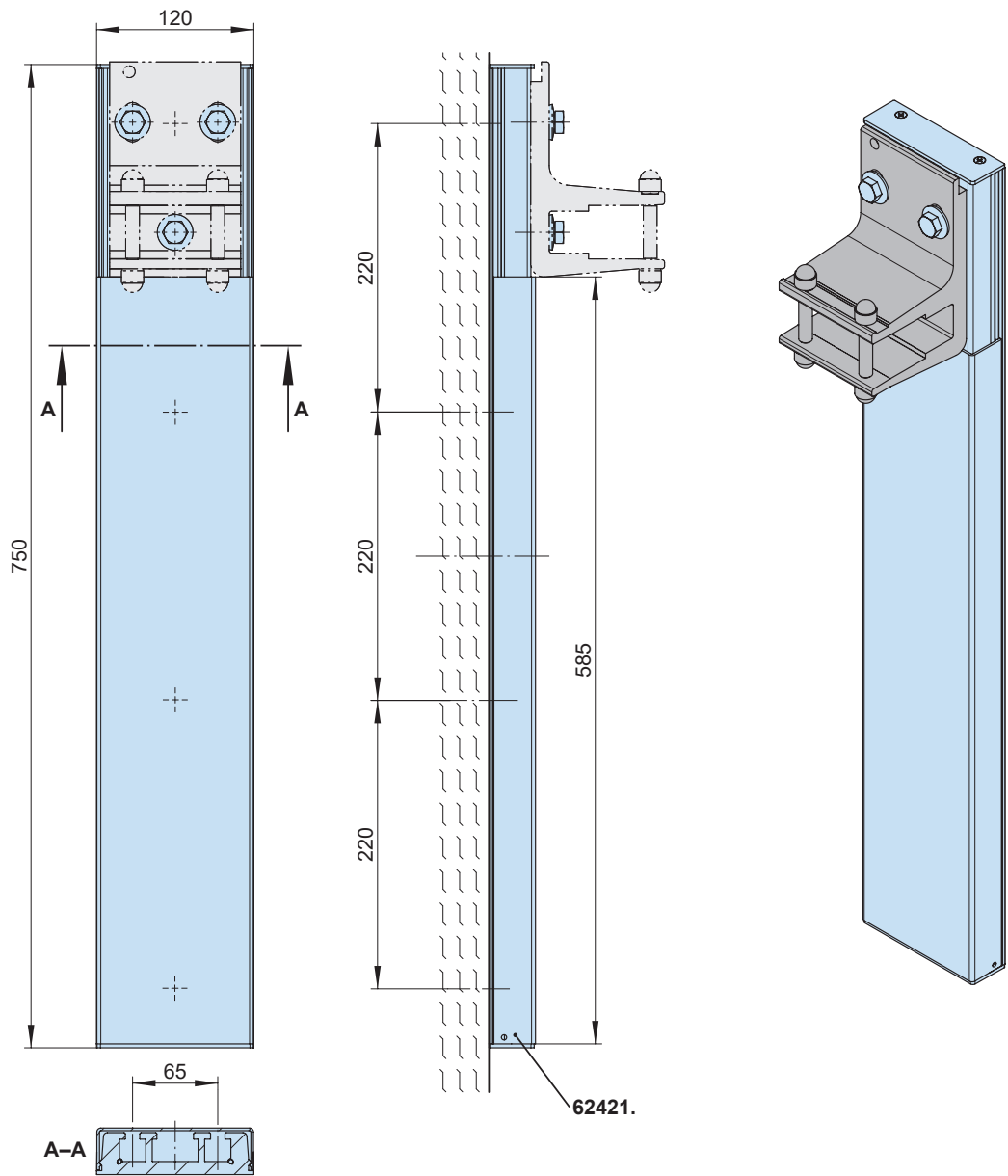
71664.



face fixture bracket  
60 mm

71665.

**Note:** The fixture rail has to be installed with all four of the provided fixtures. The top fixture point has to be exactly behind the awning fixture bracket. The pull-out forces as listed in the separate documentation at [pro.markilux.com](http://pro.markilux.com) must be observed!



62421. = vertical fixture rail

dimensions in mm

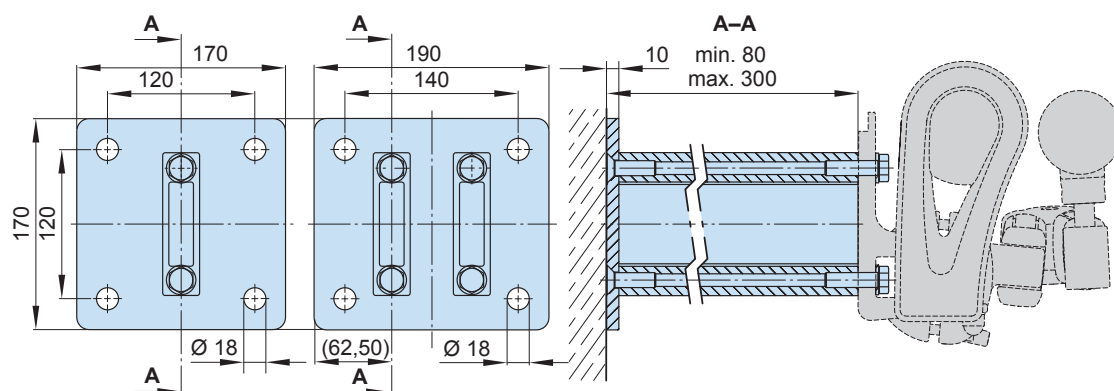
### Fixtures, fittings and accessories



77968.



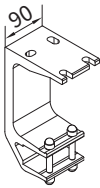
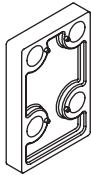

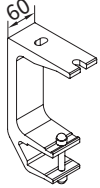


71844.

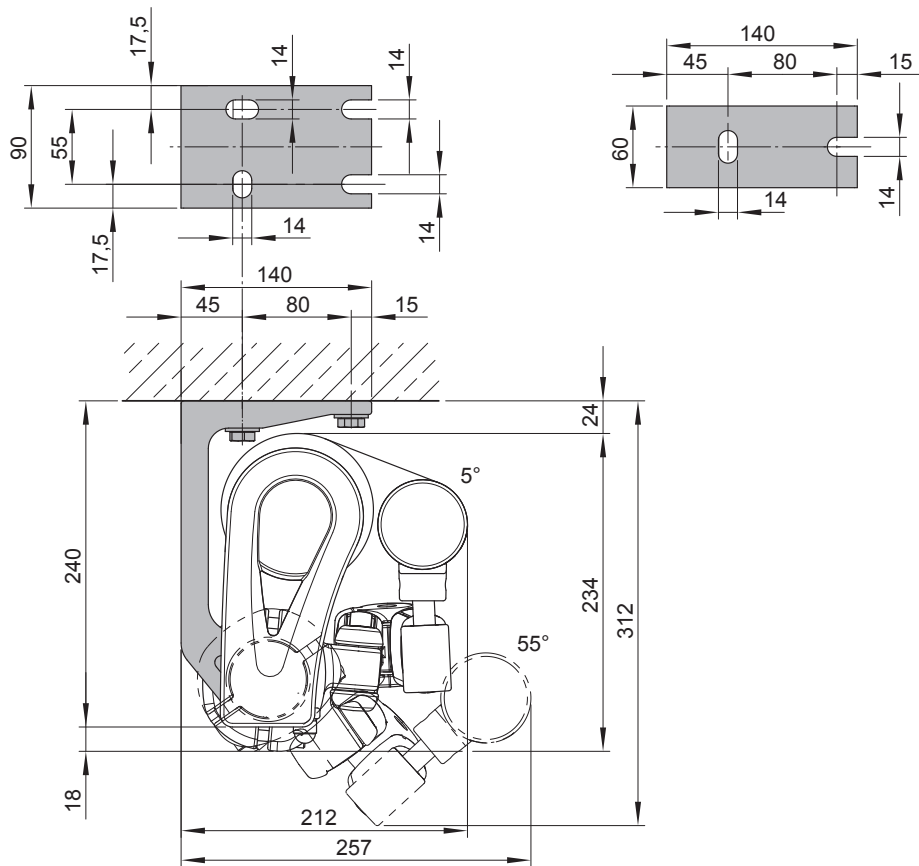


[markilux.com](http://markilux.com)

Top fixture

Fixtures, fittings and accessories

 <p>top fixture bracket 90 mm</p> <p>71666.</p>	 <p>spacer plate for top fixture 90x 140 x 20 mm; black</p> <p><b>N.B!</b> stack to a max. height of 200 mm</p> <p>716311</p>	 <p>spacer plate for top fixture 90 x 140 x 12 mm</p> <p>716411</p>
 <p>top fixture bracket  additional bracket for 3 folding arms</p> <p>71667.</p>	 <p>spacer plate for face/top fixture 60x 140 x 20 mm; black</p> <p><b>N.B!</b> stack to a max. height of 200 mm</p> <p>716321</p>	 <p>spacer plate face / top 60 x 140 x 12 mm</p> <p>71642.</p>



dimensions in mm

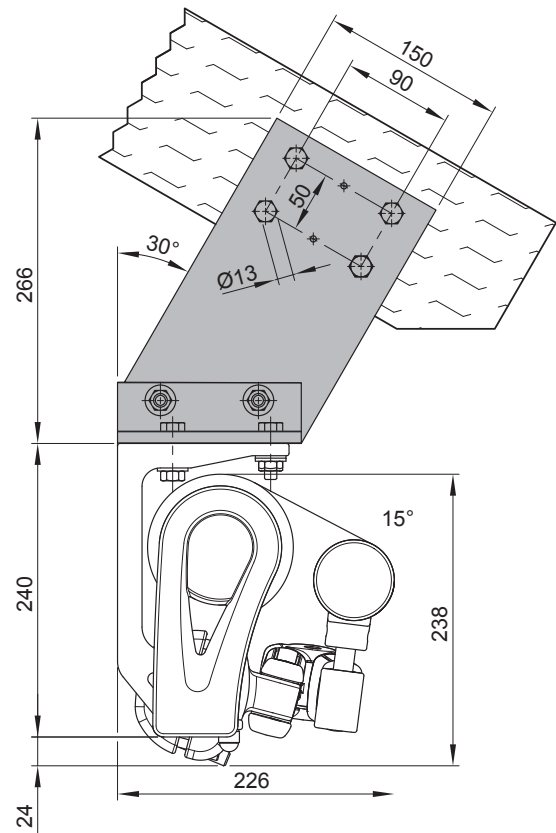
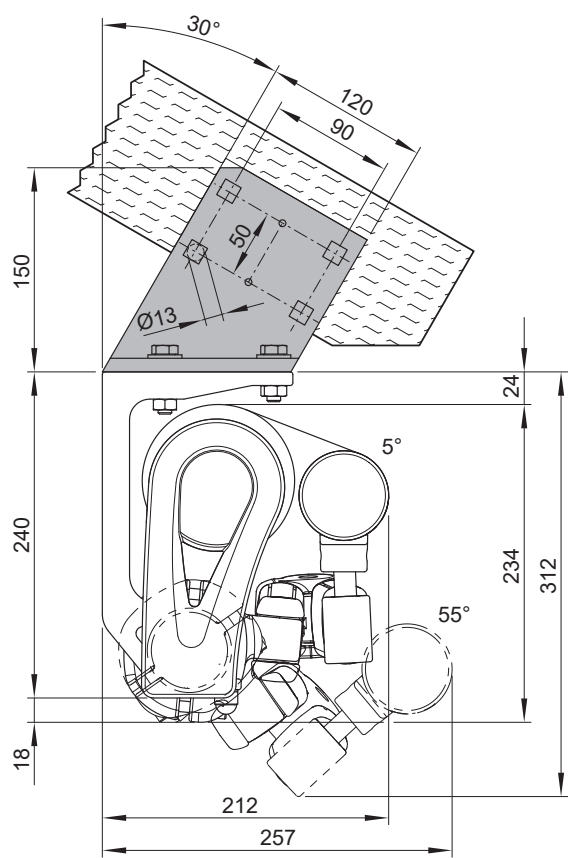
## Eaves fixture

### Fixtures, fittings and accessories

<p>Diagram of the eaves fixture bracket 150 mm (71899). Dimensions shown: 150 mm (height), 140 mm (width), and 90 mm (depth).</p>	<p>eaves fixture bracket 150 mm</p>	<p>Diagram of the top fixture bracket 90 mm (71666). Dimensions shown: 90 mm (height) and 90 mm (width).</p>	<p>top fixture bracket 90 mm</p>	<p>Diagram of the eaves fixture bracket 90 mm (75889) with a 150 mm plate. Dimensions shown: 150 mm (height), 140 mm (width), and 90 mm (depth).</p>	<p>eaves fixture bracket 90 mm  150 mm plate</p>
<b>71899.</b>		<b>71666.</b>		<b>75889.</b>	
<p>Diagram of the eaves fixture bracket 90 mm (71659) with a height of flat plate of 270 mm. Dimensions shown: 270 mm (height), 150 mm (width), and 90 mm (depth).</p>	<p>eaves fixture bracket 90 mm  height of flat plate 270 mm</p>	<p>Diagram of the angle and plate for eaves fixture height of plate 500 mm machine finish (716620). Dimensions shown: 500 mm (height of plate).</p>	<p>angle and plate for eaves fixture height of plate 500 mm  machine finish</p>		
<b>71659.</b>		<b>716620</b>			

Eaves fixture bracket 150 mm (75889.)

Eaves fixture bracket 270 mm (71659.)



dimensions in mm

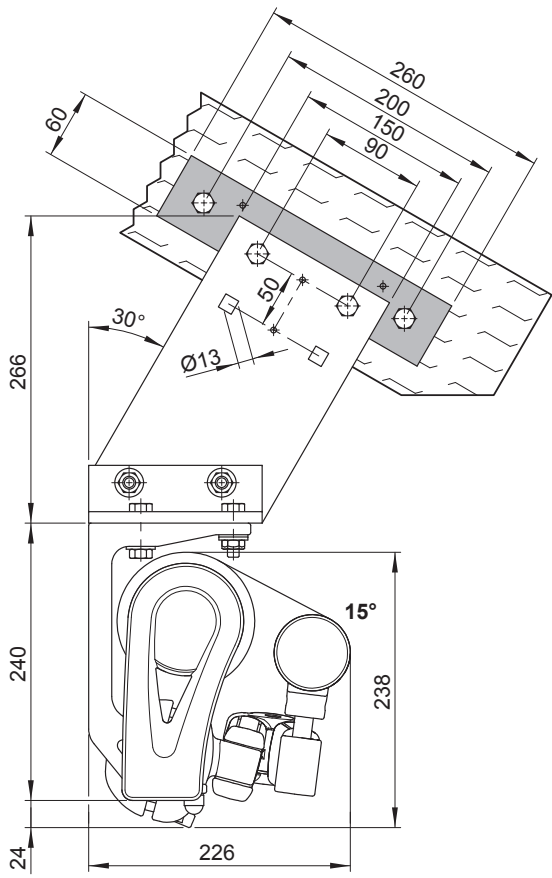
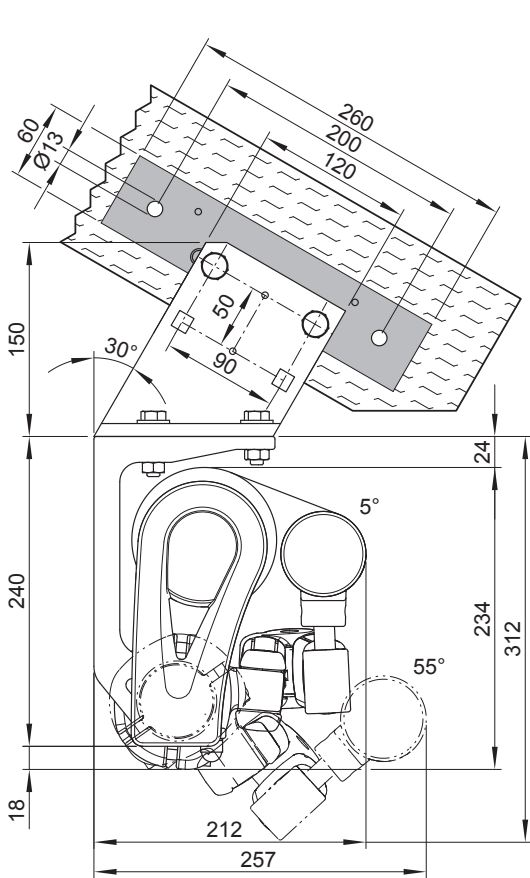
# Eaves fixture with additional plate

Fixtures, fittings and accessories

<p>eaves fixture bracket 150 mm</p> <p>71899.</p>	<p>top fixture bracket 90 mm</p> <p>71666.</p>	<p>eaves fixture bracket 90 mm 150 mm plate</p> <p>75889.</p>
<p>eaves fixture bracket 90 mm height of flat plate 270 mm</p> <p>71659.</p>	<p>supplementary flat plate for eaves fixture 260 × 60 × 12 mm</p> <p>75383.</p>	

Eaves fixture bracket with backing plate for 75889.

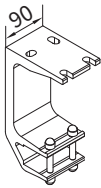
Eaves fixture bracket with backing plate for 71659.



dimensions in mm

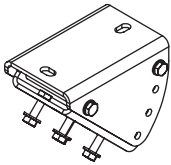
# Eaves fixture with adjustable eaves fixture bracket

Fixtures, fittings and accessories



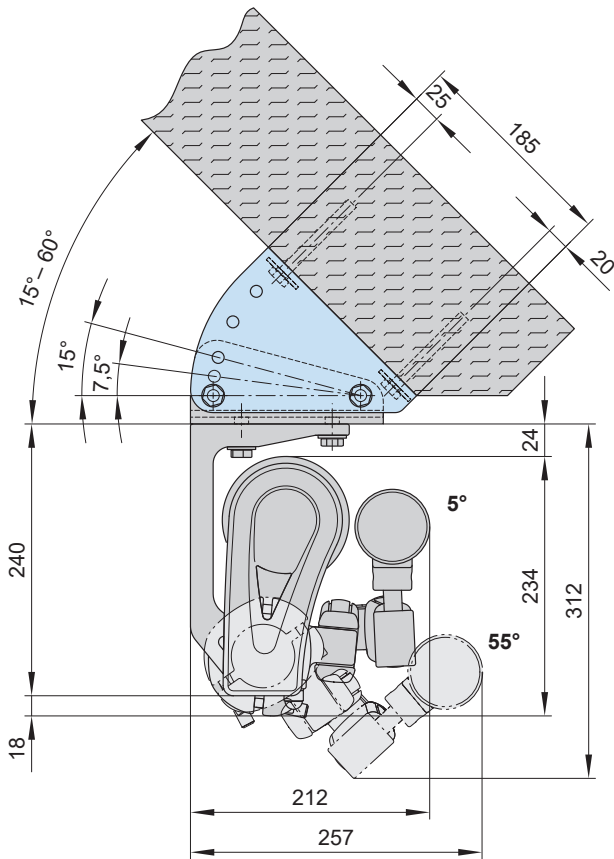
top fixture bracket  
90 mm

**71666.**



eaves fixture bracket  
adjustable from  
15°–60°

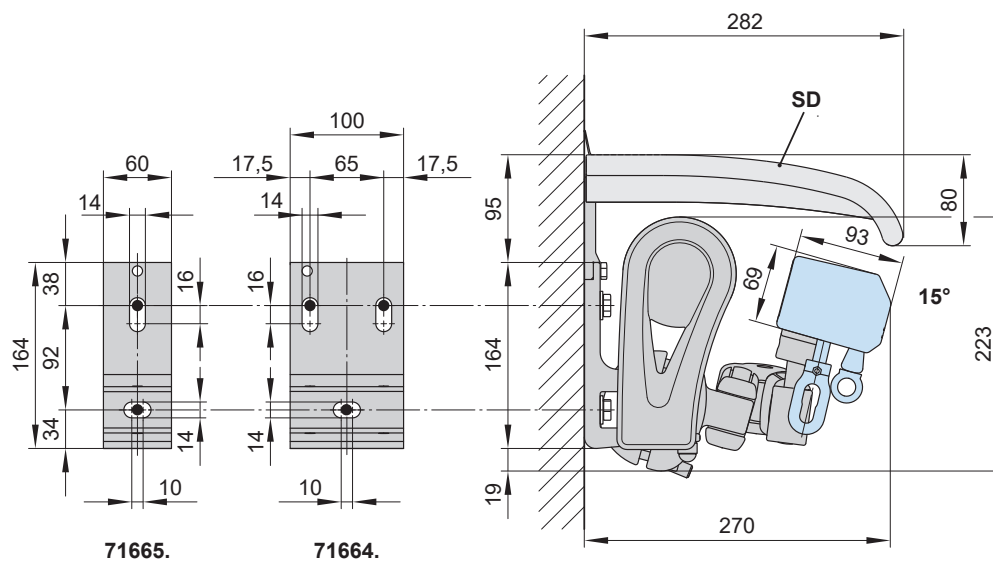
**71198.**



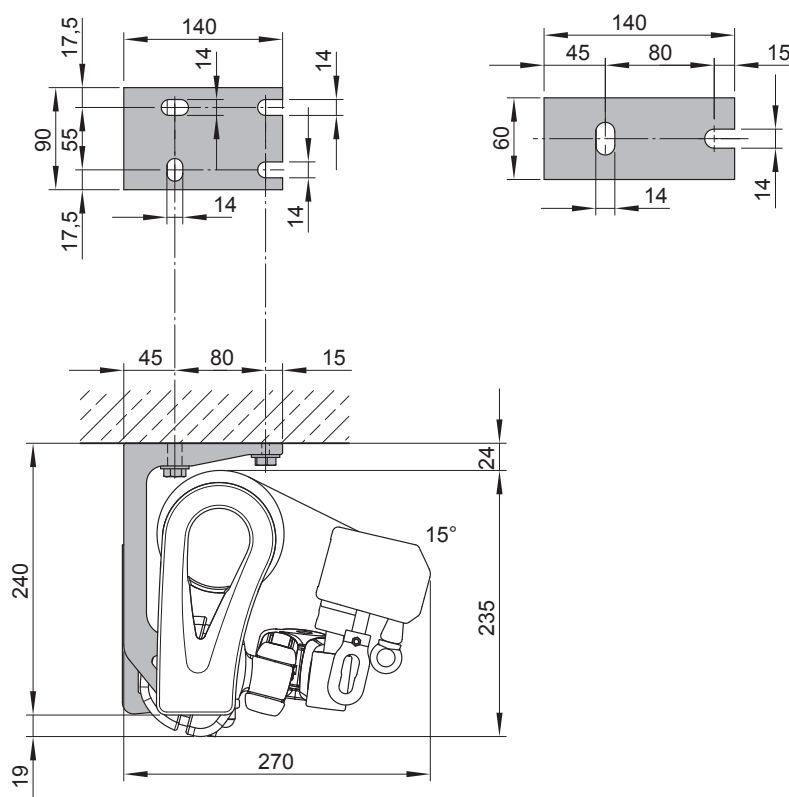


## Awning with shadeplus

### Face fixture



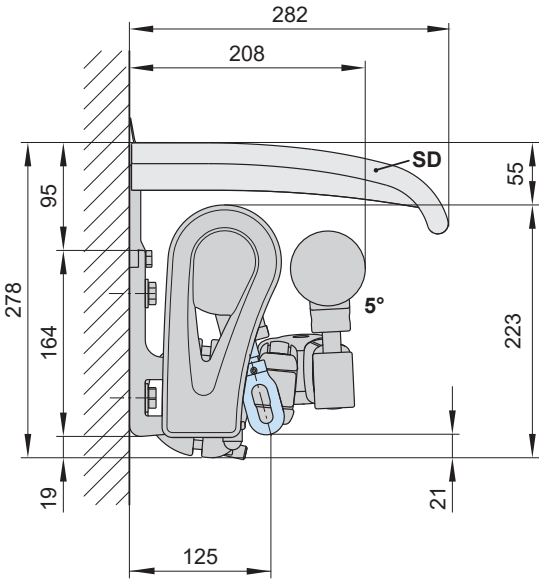
### Top fixture



**SD** = aluminium coverboard

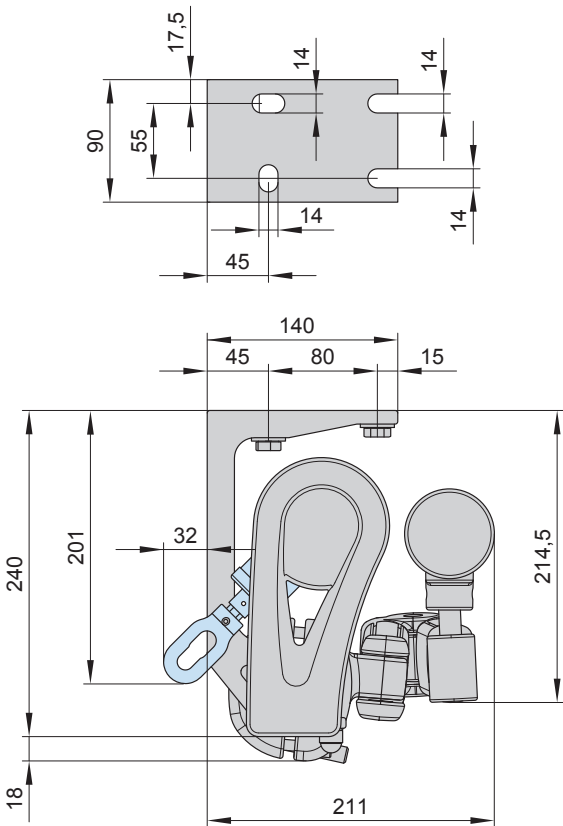
dimensions in mm

Face fixture, manual operation



Face fixture, manual operation

Operation from the rear

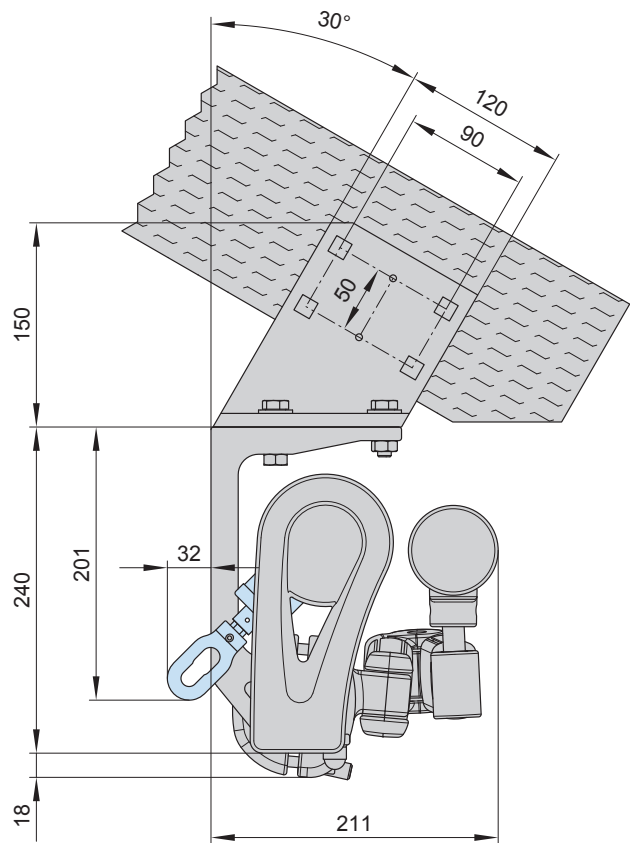


SD = aluminium coverboard

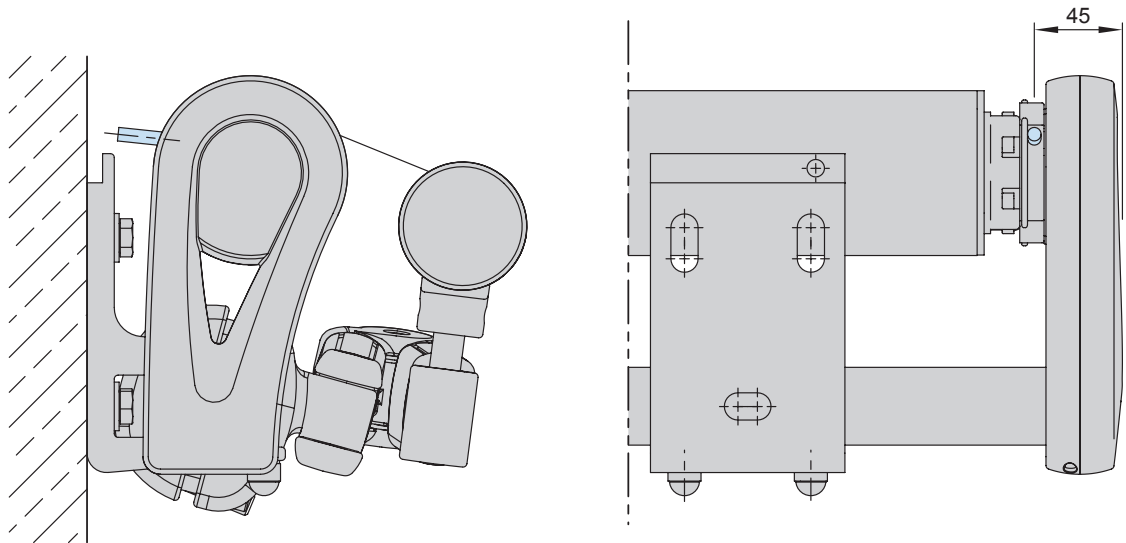
dimensions in mm

Eaves fixture, manual operation

Operation from the rear



Motor cable exit point



dimensions in mm

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16**
- 17
- 18
- 19