



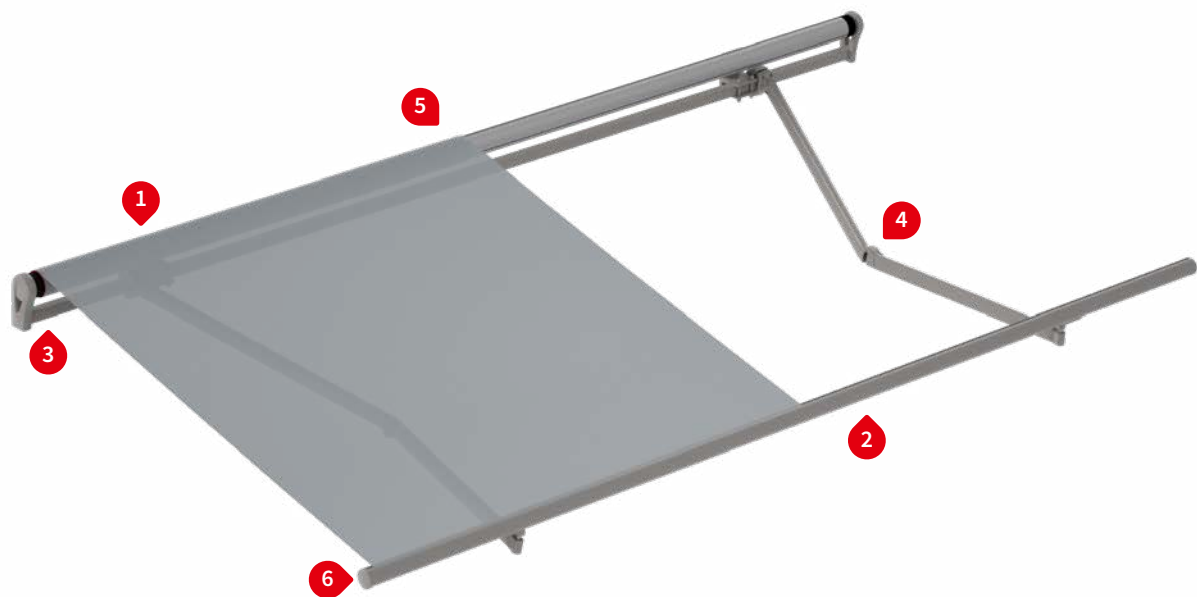
Open style folding-arm awning

markilux 1300

The entrance model with proven technology.

Product Characteristics

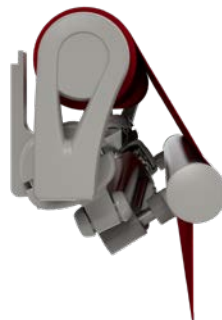
Wind resistance class 1 | 2 (depending on size)
Beaufort 5 → 28–37 km/h → 7,5–10,4 m/s



1) face fixture



1) face fixture, maximum pitch of 55°



1) top fixture



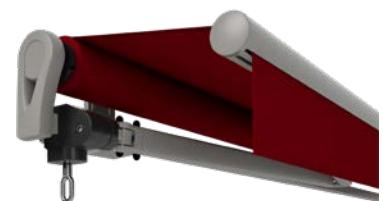
2) shadeplus ¹⁾



2) shadeplus, during extension ¹⁾



3) pitch adjustment gear ¹⁾



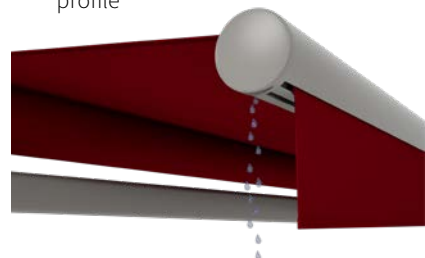
4) twin steel-link chain, corrosion protected



5) aluminium coverboard ¹⁾



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

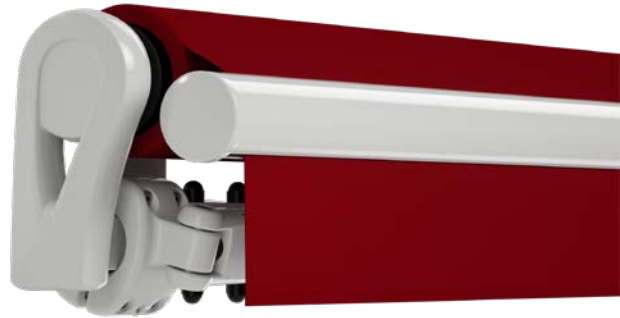
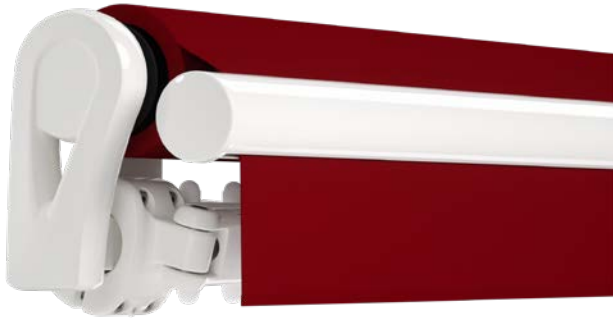
- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- awning pitch adjustment range 5° to 55°
- spacer plates, stand-off brackets and other accessories are available

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 ¹⁾	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 ^{1) 3)}	—	—	—	—	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 RTS 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 ¹⁾

	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)

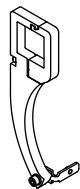
N.B. Important background information can be found in the chapter “Optional Accessories”

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	71612.
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



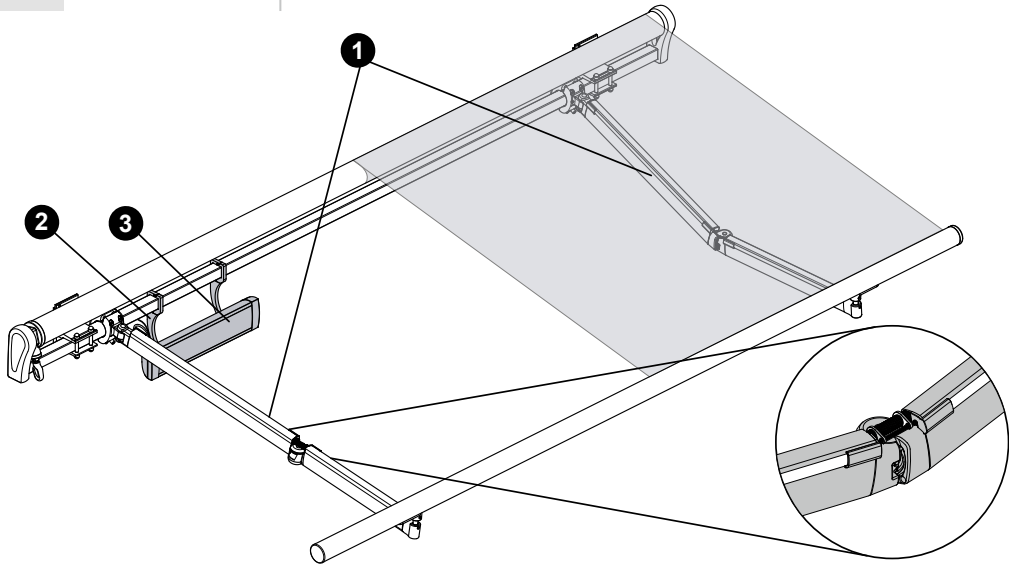
fixture to a angular torque bar 40 mm
incl. clamp plate

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 (76972.)
- 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.

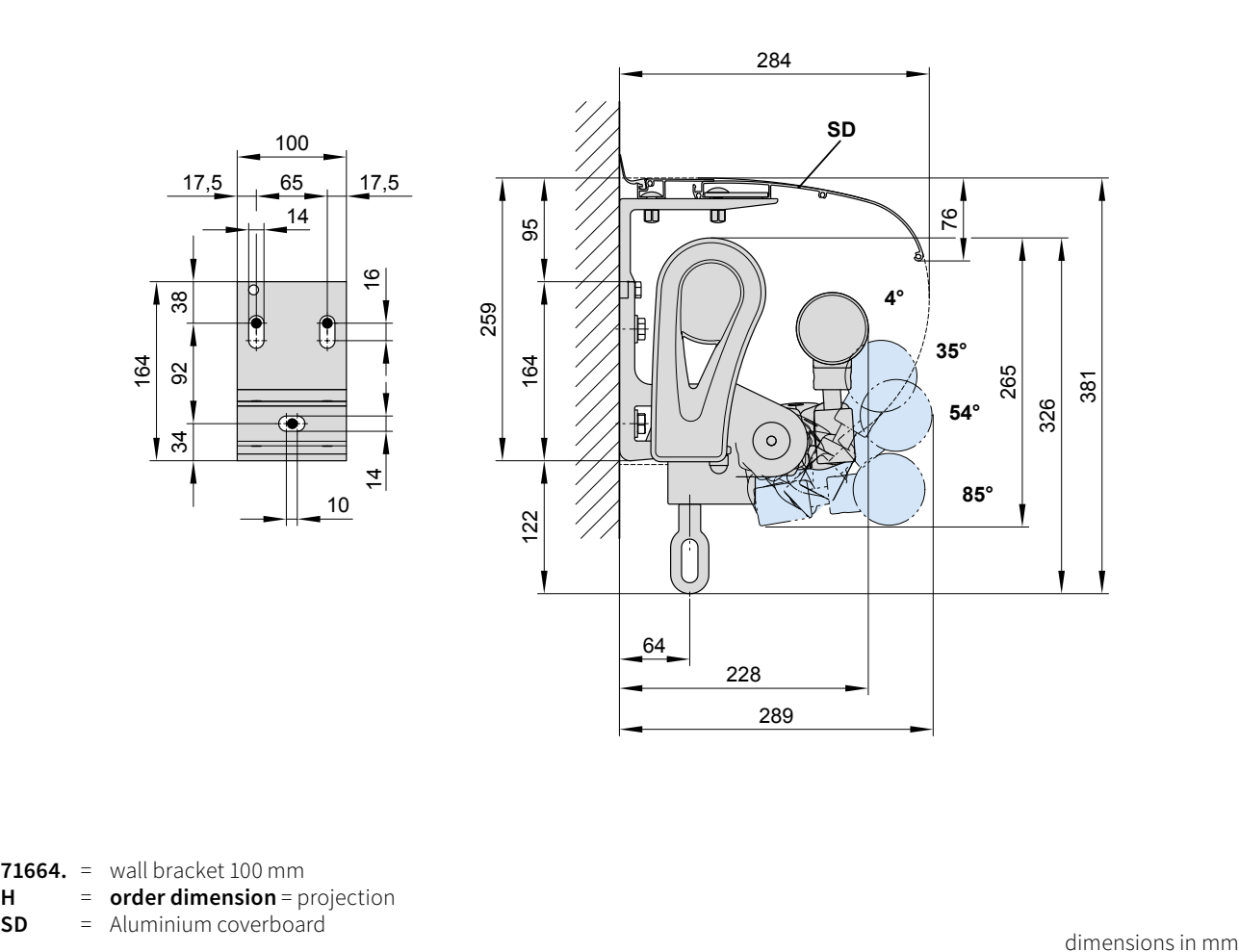
By virtue of the integrated pitch adjustment option, the arms can be effortlessly levelled.

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!

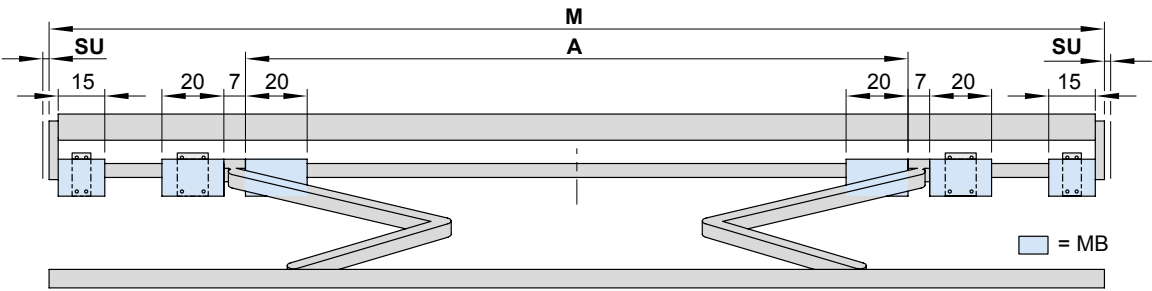
Minimum width for awnings with pitch adjustment gear			
Awning with standard arms		Awning with bespoke arms	
H	150	200	200
	200	250	238
	250	300	288
	300	350	338

dimensions in cm



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 ¹⁾	206	240	275	310	345	375	415	450
	200	206 ²⁾	206 ¹⁾	240	275	310	345	375	415	450
	250	—	256 ²⁾	256 ¹⁾	275	310	345	375	415	450
	300	—	—	306 ²⁾	306 ¹⁾	310	345	375	415	450
	350	—	—	—	356 ²⁾	356 ¹⁾	375	375	415	—
	400	—	—	—	—	406 ²⁾	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)

= Gekoppelte Markise mit Schlitzrollo bei Zwischenbreiten auf Anfrage erhältlich
- 2)

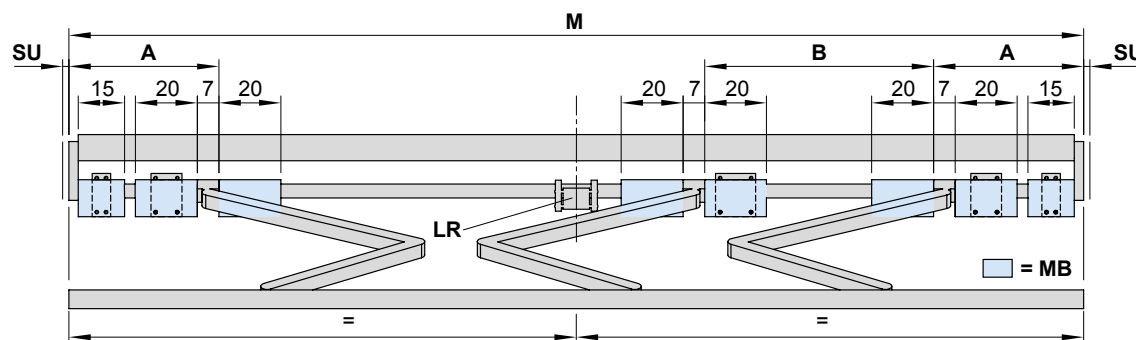
= please note the minimum widths! Maß **A** gilt nur für Standardarme! In the case of bespoke arms: **A** minus 13 cm. In the case of small awnings the brackets can only be fitted inside the arms, i.e. the position denoted by measurement **A**. coupled units are not available with a junction roller

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 website under “Pull-out Forces”.

A	= arm position	M	= order width = awning width
BHT	= bracket width	MB	= bracket fixture range
BP	= spreader plate A or B , to be positioned behind the folding arm	PA	= markilux panel, fixture profile, width 250 mm
DA	= eaves fixture brackets	SU	= coverboard overhang 2 cm
DE	= top fixture brackets	W	= face fixture brackets
DP	= spacer plate 71642., fitting area at outer brackets		
H	= order dimension = projection		

Bracket fixture range

Awning with 3 folding arms



dimensions in cm

Order dimensions		Awning width									
		650					700				
		601 613	614 650	640 650	651 693	694 700	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 ¹⁾	180 ¹⁾	30 ¹⁾	190 ¹⁾	—	—	50	190	55	190
	400	—	—	—	—	12 ^{1) 2)}	204 ^{1) 2)}	17 ¹⁾	204 ¹⁾	30 ¹⁾	204 ¹⁾
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

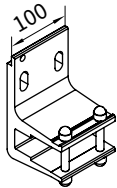
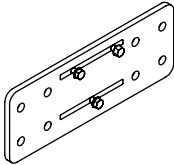
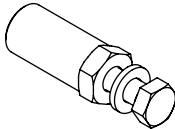
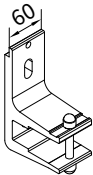
The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the pro.markilux.com website under "Pull-out Forces".

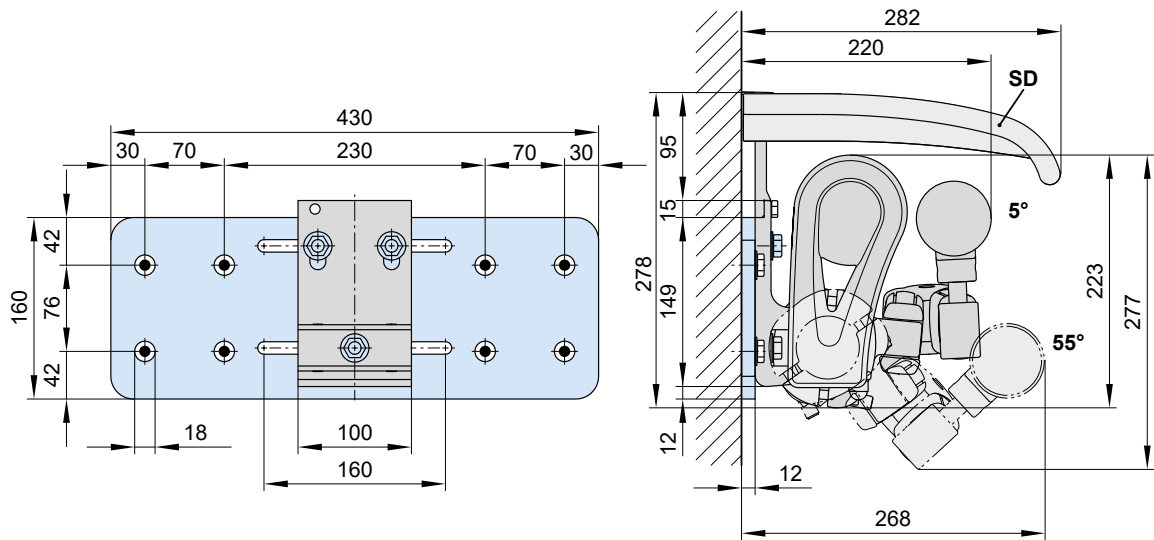
A = arm position
BHT = bracket width
BP = spreader plate **A** or **B**, to be positioned behind the folding arm
DA = eaves fixture brackets
DE = top fixture brackets
DP = spacer plate 71642., fitting area at outer brackets
H = **order dimension** = projection

LR = rolltex bearing
M = **order width** = 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

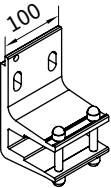
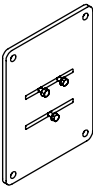
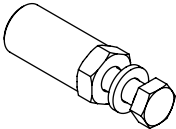
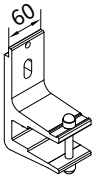
Fixtures, fittings and accessories

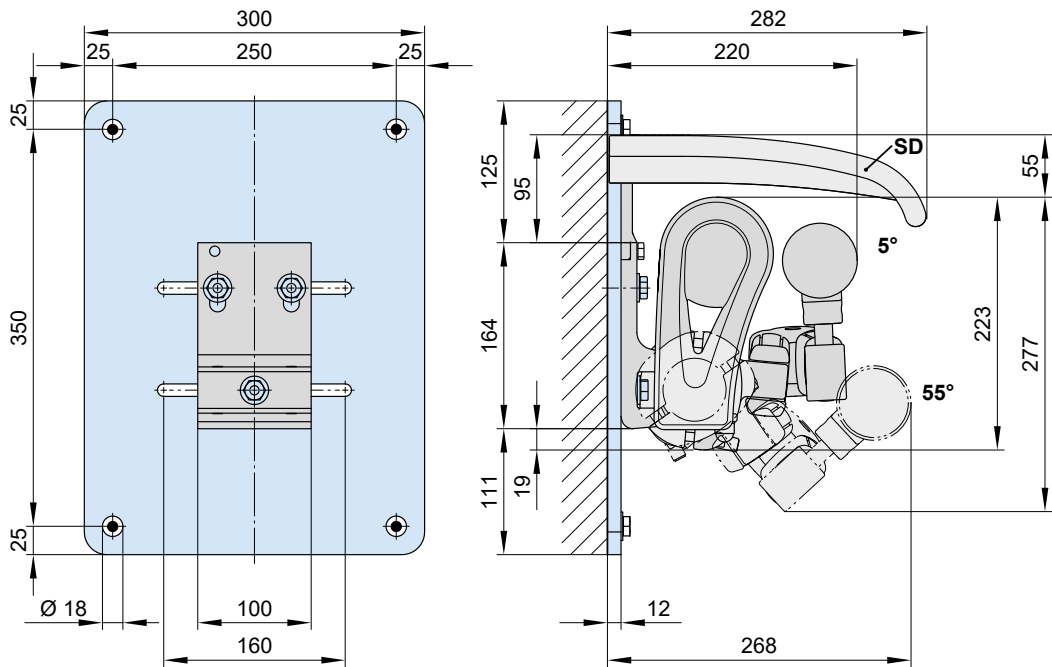
 face fixture bracket 100 mm 71664.	 spreader plate A face fixture 430 × 160 × 12 mm 75326.	 reduction bolt pack 10 pcs M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10
 face fixture bracket 60 mm 71665.	 spacer plate face / top 60 × 140 × 12 mm 71642.	



Face fixture with spreader plate B

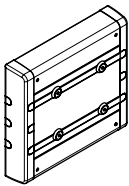
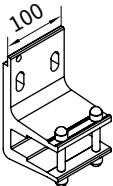
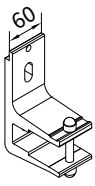
Fixtures, fittings and accessories

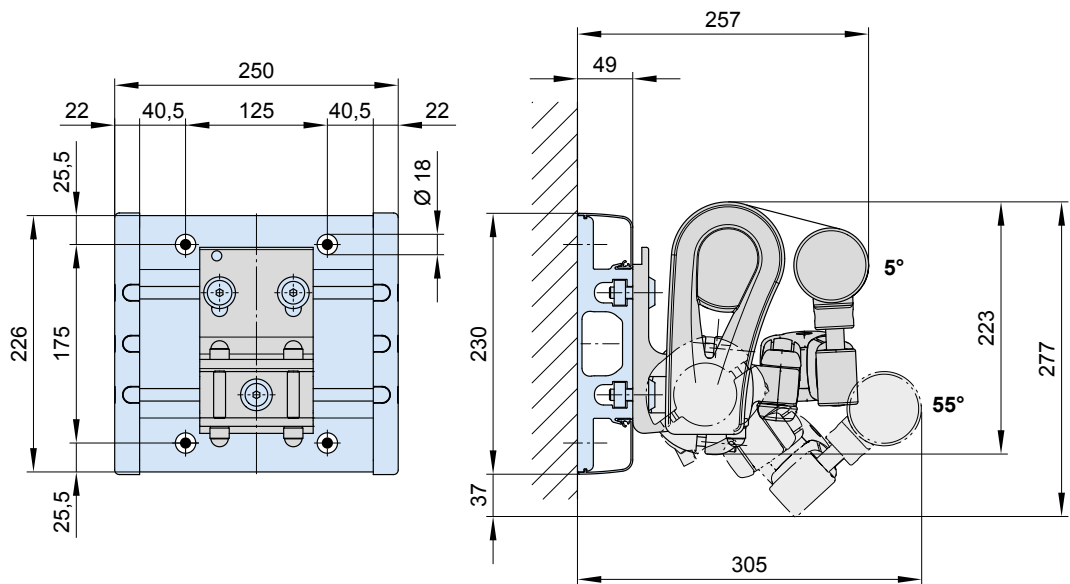
 face fixture bracket 100 mm 71664.	 spreader plate B face fixture 300 × 400 × 12 mm 75325.	 reduction bolt pack 10 pcs M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10
 face fixture bracket 60 mm 71665.	 spacer plate face / top 60 × 140 × 12 mm 71642.	



Face fixture using the markilux panel 250 mm wide

Fixtures, fittings and accessories

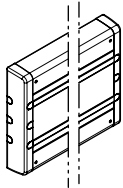
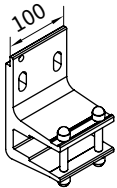
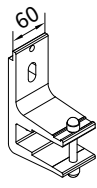
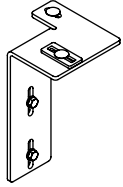
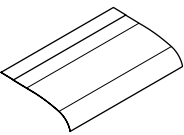
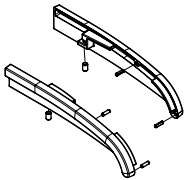
	markilux panel 250 x 230 x 49 mm with decorative profiles and end caps		face fixture bracket 100 mm		face fixture bracket 60 mm
76308.		71664.		71665.	



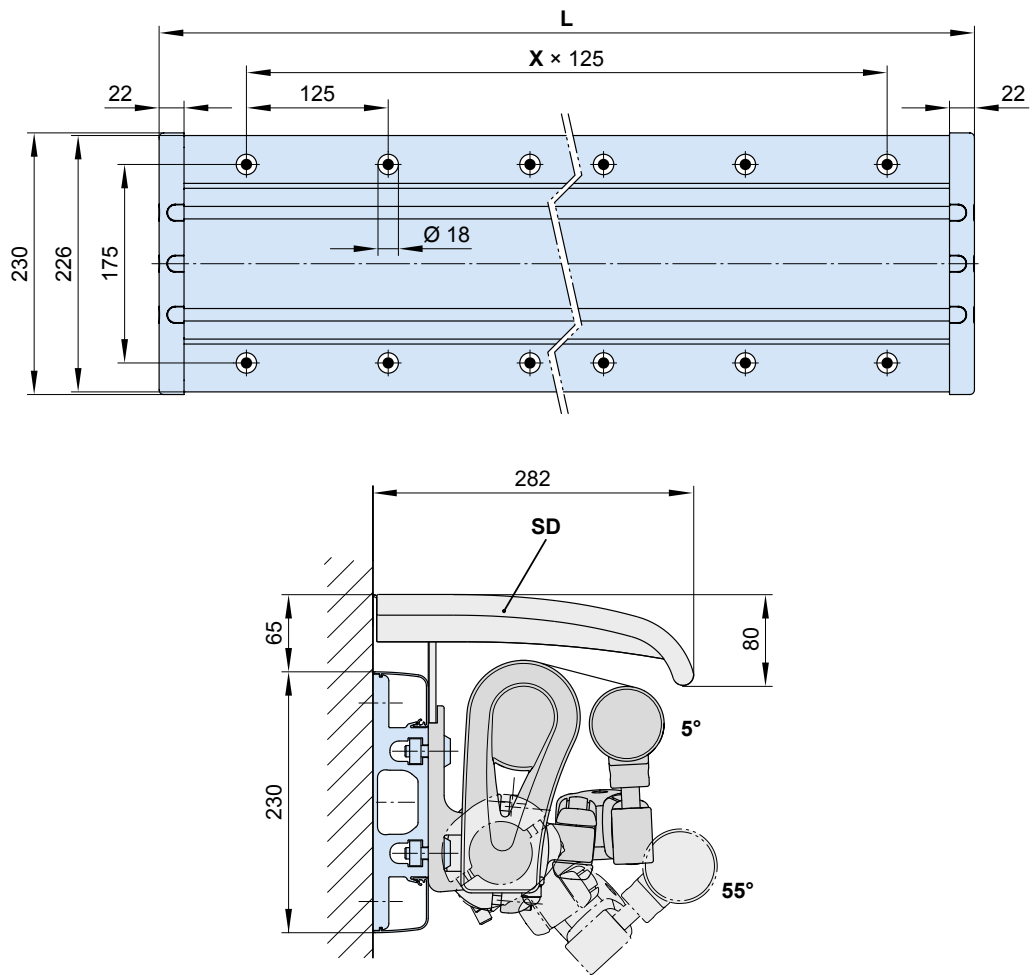
dimensions in mm

Face fixture with markilux panel continuous

Fixtures, fittings and accessories

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

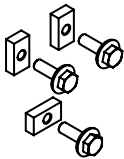
Face fixture with vertical fixture rail

Fixtures, fittings and accessories



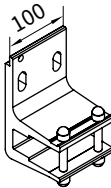
Vertical fixture rail

62421.



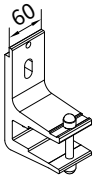
Fixing material for vertical fixture rail

624291



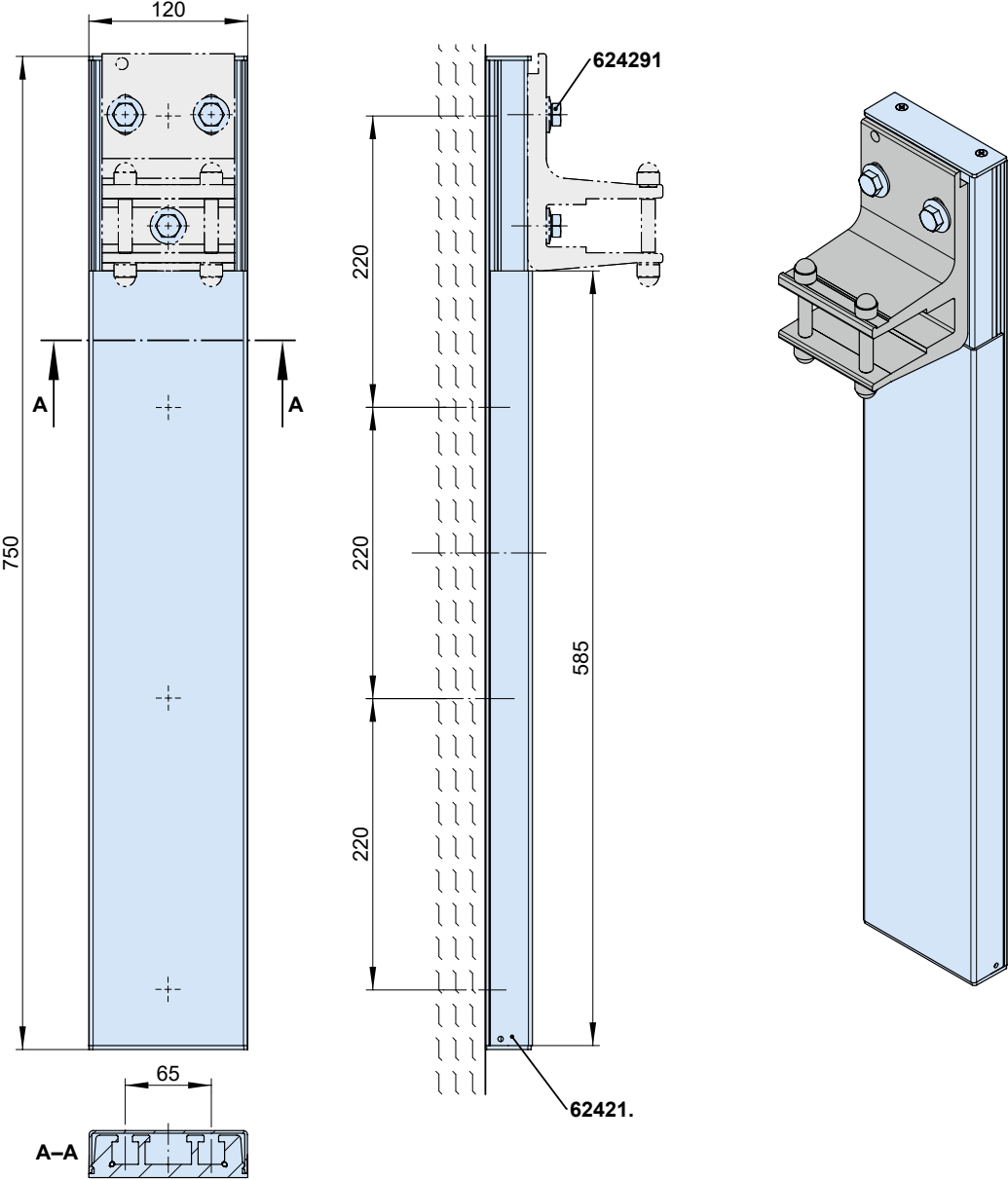
face fixture bracket
100 mm

71664.



face fixture bracket
60 mm

71665.

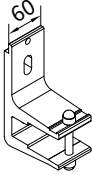


62421. = Sub-assembly vertical fixture rail
624291 = Sub-assembly fixing material for vertical fixture rail

dimensions in mm

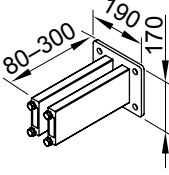
Face fixture with stand-off bracket

Fixtures, fittings and accessories



face fixture bracket
60 mm

71665.

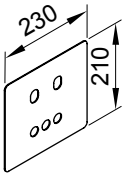


stand-off bracket
for two face fixture
bracket 71665.

80–300 mm

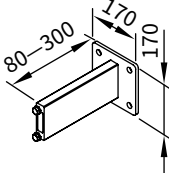
incl. insulating element

77968.



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

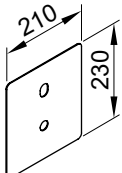
71843.



Stand-off bracket
for face fixture
bracket 71665.

80–300 mm
incl. insulating element

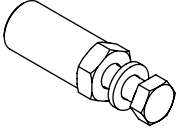
77967.



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

210 × 230 × 2 mm

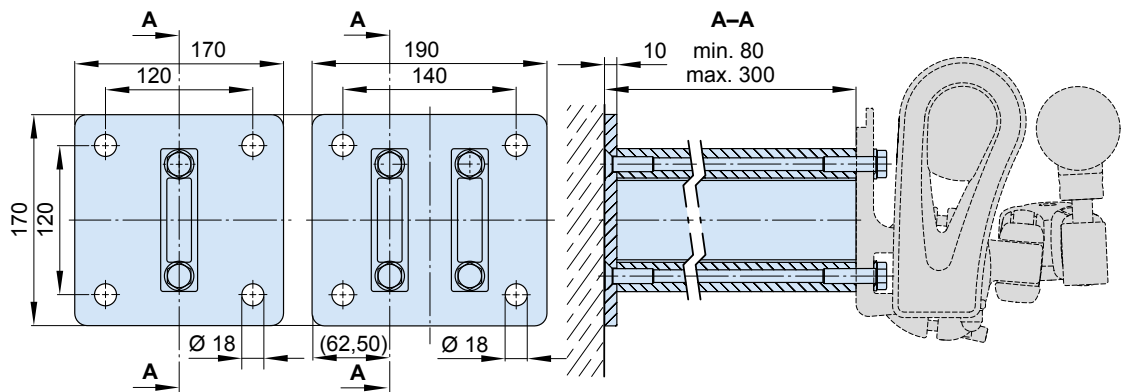
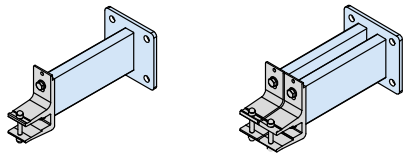
71844.



reduction bolt

pack 10 pcs

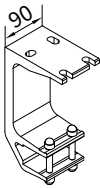
M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10



dimensions in mm

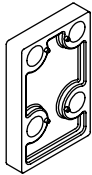
Top fixture

Fixtures, fittings and accessories



top fixture bracket
90 mm

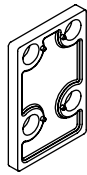
71666.



spacer plate for top
fixture
90 × 140 × 20 mm

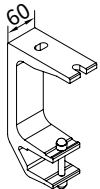
N.B!
Stack to a max. height
of 200 mm

716311



spacer plate for top
fixture
90 × 140 × 12 mm

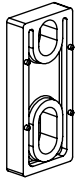
716411



top fixture bracket

additional bracket for
3 folding arms

71667.



spacer plate
face / top
60 × 140 × 20 mm

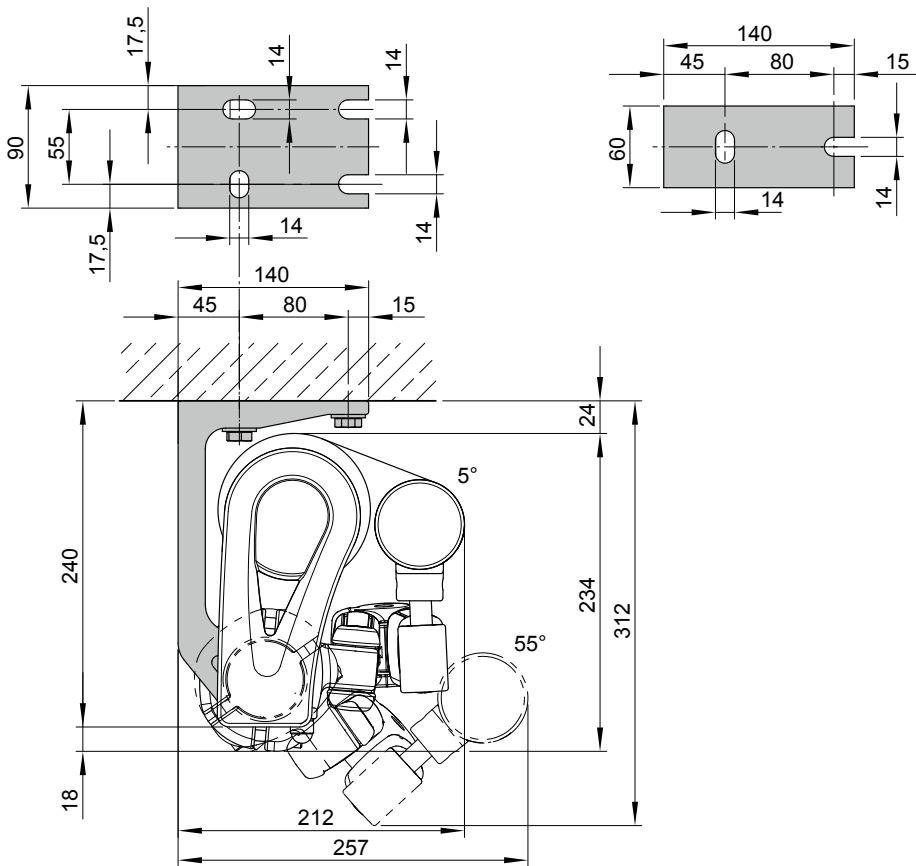
N.B!
Stack to a max. height
of 200 mm

716321



spacer plate
face / top
60 × 140 × 12 mm

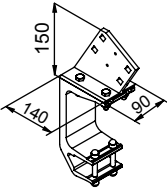
71642.



dimensions in mm

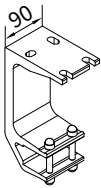
Eaves fixture with additional plate

Fixtures, fittings and accessories



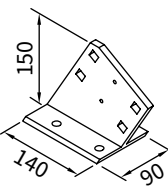
eaves fixture bracket
150 mm

71899.



top fixture bracket
90 mm

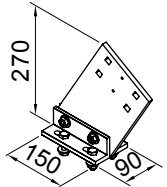
71666.



eaves fixture bracket
90 mm

height of flat plate
150 mm

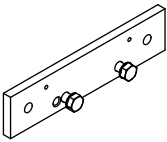
71612.



eaves fixture bracket
90 mm

height of flat plate
270 mm

71659.



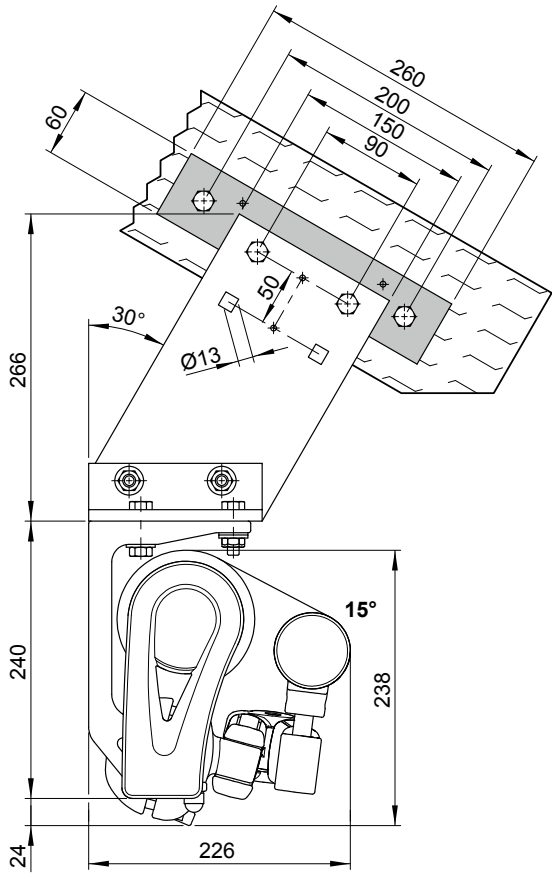
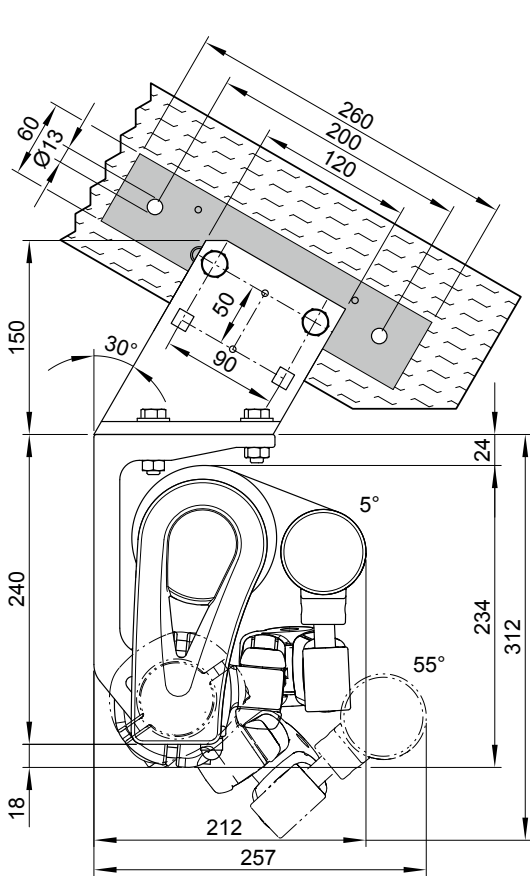
supplementary flat plate
for eaves fixture

260 × 60 × 12 mm

75383.

With eaves fixture bracket 150 mm (71612.)

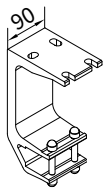
With eaves fixture bracket 270 mm (71659.)



dimensions in mm

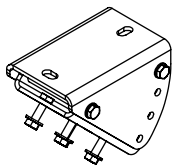
Eaves fixture with adjustable eaves fixture bracket

Fixtures, fittings and accessories



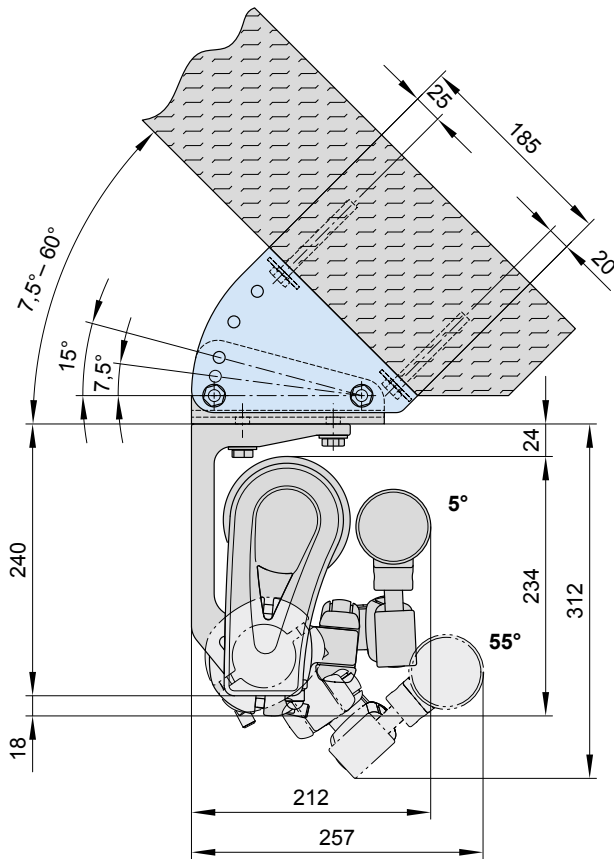
top fixture bracket
90 mm

71666.



eaves fixture bracket
adjustable from
7,5°–60°

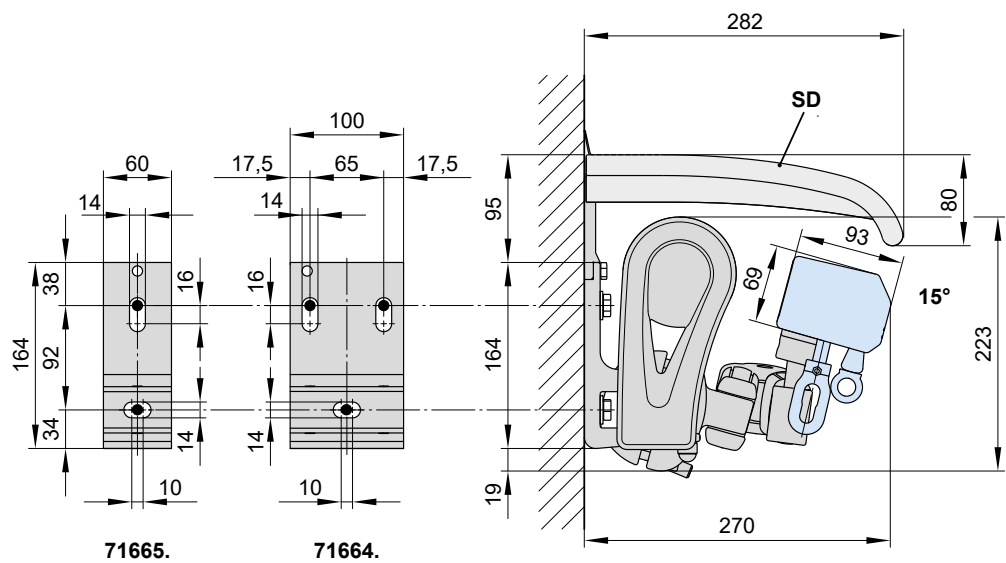
71198.



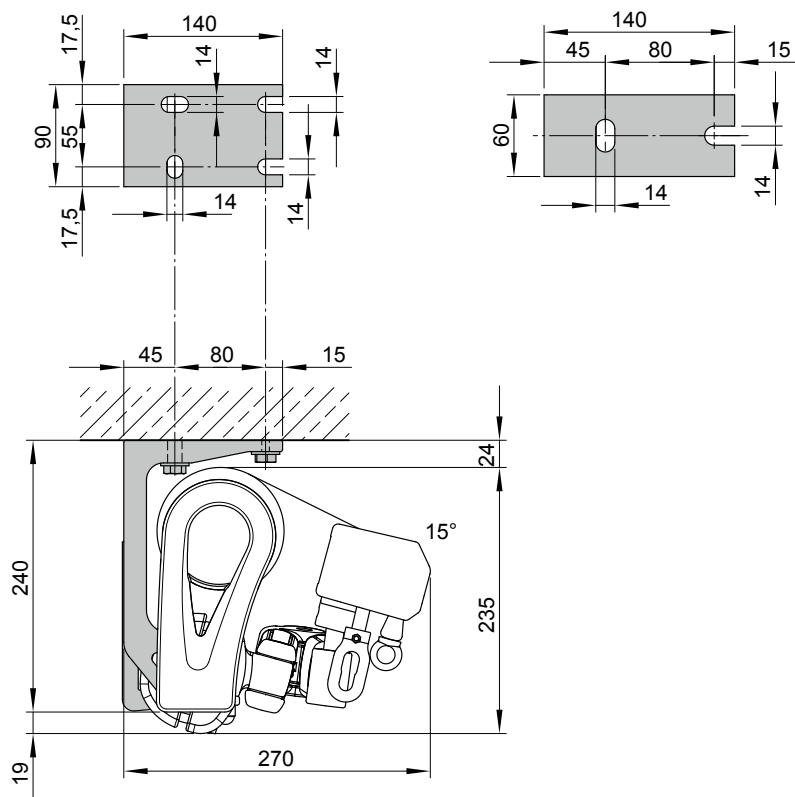
dimensions in mm

Awning with shadeplus

Face fixture

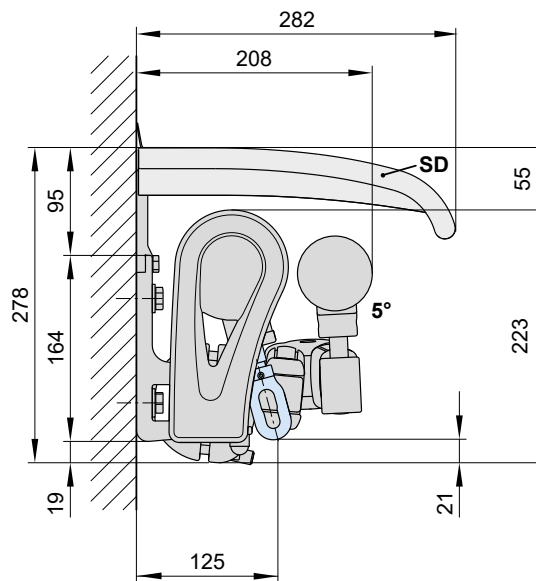


Top fixture

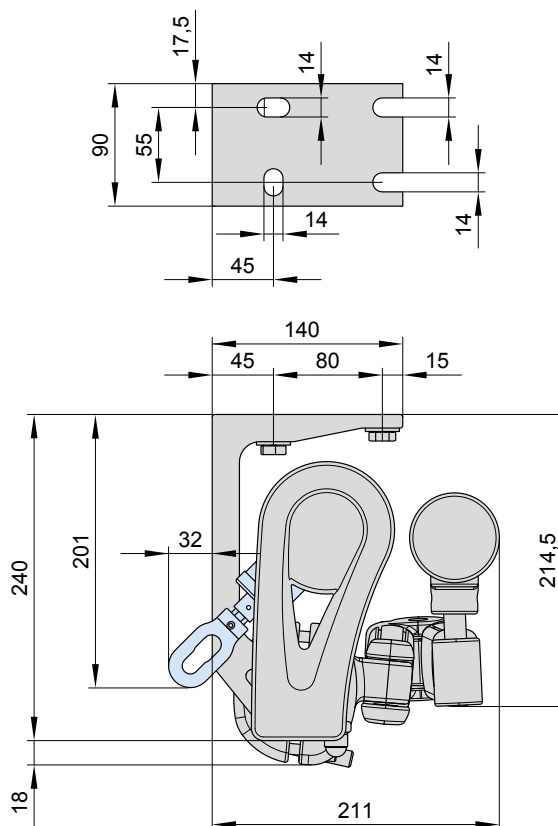


SD = aluminium coverboard

dimensions in mm

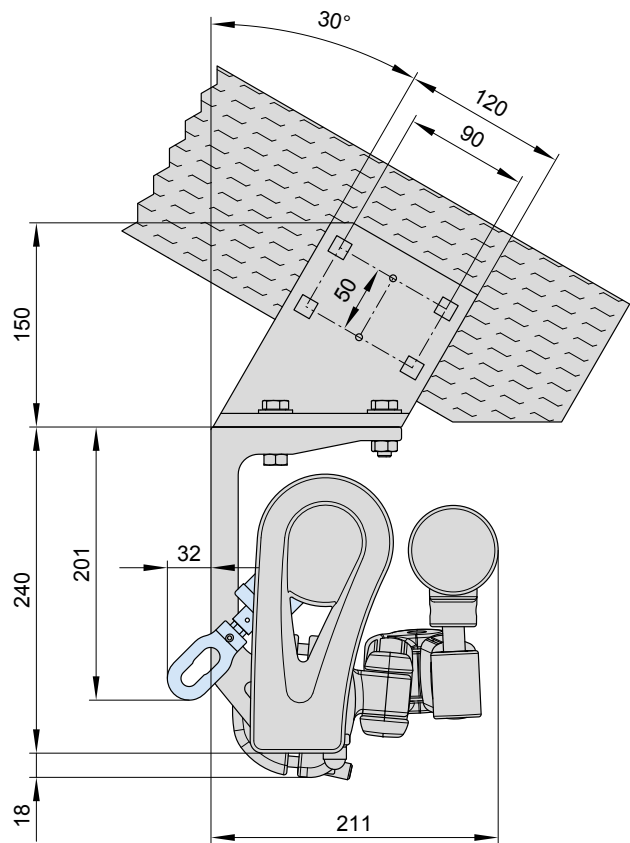


Operation from the rear

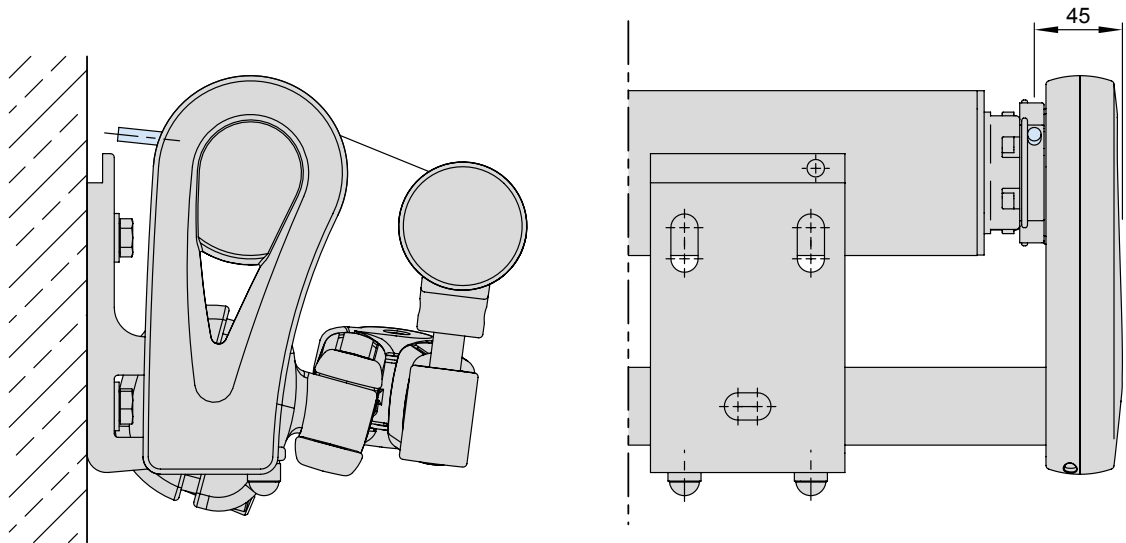


Eaves fixture, manual operation

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