

Markilux 1300 Technical Brochure



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MON - FRI 8:30AM - 5:30PM**



Open style folding-arm awning

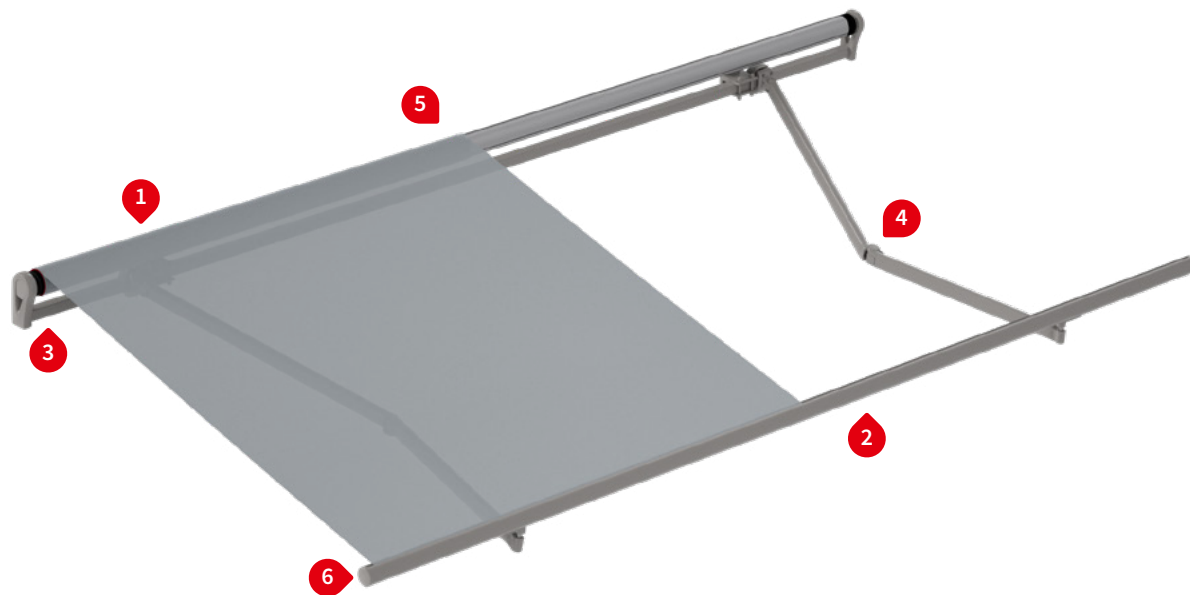
markilux 1300

The entrance model with proven technology.

Product characteristics

Wind resistance class 2

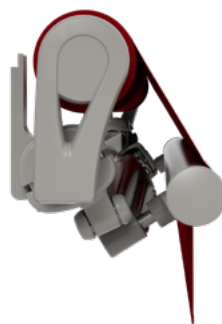
Beaufort 5 → 7.5–10.4 m/s → 28–37 km/h → 17–23 mph



1 face fixture



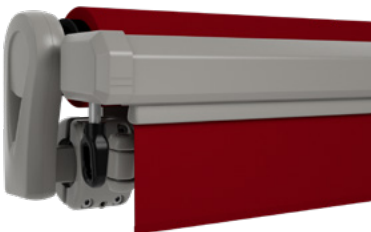
1 face fixture,
maximum pitch of 55°



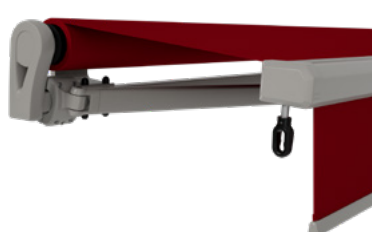
1 top fixture



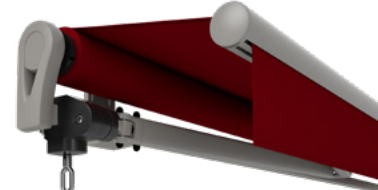
2 drop valance 1)



2 drop valance, during extension 1)



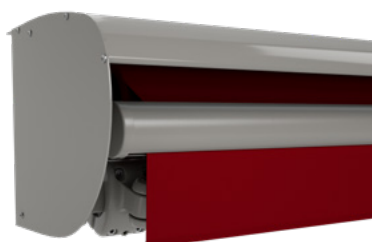
3 pitch adjustment mechanism 1)



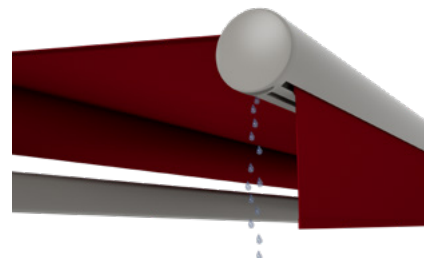
4 twin steel-link chains,
corrosion protected



5 aluminium coverboard 1)



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



1) optional configuration

Product characteristics

Description

- classic 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
- 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° and 54° or 35° and 85° (maximum projection 300 cm / only in awnings with two folding arms)

Dimensions

- awning 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 bracket is made of extruded aluminium, completely hidden within an end cap

Awning profiles

- extruded aluminium, in façade quality, powder coated
- square steel torque bar 40 mm × 40 mm, galvanised 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

Side 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°–55°
- spacer plates, stand-off brackets and other accessories are available

01 **Frame and end cap colours**

02 markilux frame colours without surcharge

03 traffic white RAL 9016

04 metallic aluminium RAL 9006



08

09

10

11

12 **Non-standard powder-coated finish**

13 Bespoke frame colours at a surcharge – matt, metallic 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.

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

15

16

17

Dimensions and configuration options

Single unit

Order dimensions		Overall awning width										Minimum width				
		250	300	350	400	450	500	550	600	650	700 ¹⁾	Motor			Crank handle	
		167 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700					
H	150											181	167	—	184	170
	200	2)										231	218	—	234	221
	250	—	2)									281	268	—	284	271
	300	—	—	2)								331	318	—	334	321
	350	—	—	—	2)					1) 2)		381	368	566	384	371
	400 ^{1) 3)}	—	—	—	—	2)				2)		431	418	640	—	—

dimensions in cm

1) = only available with motor drive (surcharge)!

2) = observe the minimum widths!

3) = drop valance not available

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

Coupled Awning (only with motor drive) ¹⁾

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
optionally with a one-piece cover (maximum 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 range no.	standard	optional
sunvas	301.. / 309..–315..	✓	—
perla	370 ..	—	✓
sun silk	324.. / 325.. / 328.. / 369..	✓	—
perla FR	374.. / 375..	—	✓
perfortex	331.. / 332..	—	—
transolair	338..	—	—
vuscreen Alu	317..	—	—
Soltis 92	92-20..	—	—
glass fibre screen	272..	—	—
valance, height 20 cm		✓	—

Shadeplus / drop valance	standard	optional
height 210 cm		
maximum awning projection 350 cm		
manual operation	✓	—
hard-wired motor	—	—
radio-controlled motor io, 868 MHz	—	—
radio-controlled motor RTS, 433 MHz	—	—
cover	sunvas / sun silk / transolair / vuscreen Alu	

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

01	Optional accessories
	manual drop valance
02	manual pitch adjustment gear
	aluminium coverboard
03	infrared heater 2500 W
	infrared heater 2500 W with integrated radio-controlled receiver 868 MHz io
04	LED spotline – light bar 110 × 70 mm with 5 W LED spotlights, width 180 cm / 3 spots or 300 cm / 5 spots
05	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
06	automatic controls (light, wind, rain)
07	N.B! Important background information can be found in the chapter “Optional Accessories”.

Fixture brackets	
wall bracket 100 mm	71664.
face fixture bracket 60 mm	71665.
spreader plate A 430 × 160 × 12 mm	75326.
spreader plate B 300 × 400 × 12 mm	75325.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	76380.
stand-off bracket wide 80–300 mm	77968.
stand-off bracket narrow 80–300 mm	77967.
top fixture bracket 90 mm	71666.
top fixture bracket 60 mm	71667.
eaves fixture bracket 90 mm, 150 mm plate	71612.
eaves fixture bracket 90 mm, 270 mm plate	71659.
flat plate and angled bracket for eaves fixture, machine finish, 500 mm plate	716620
spreader plate 260 × 60 × 12 mm for eaves fixture bracket	75383.

14

Pitch adjustment gear

Ideal for providing more solar shading on your balcony

Available in awnings with two 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° and 54° or 35° and 85° (needs to be entered at the time of order).

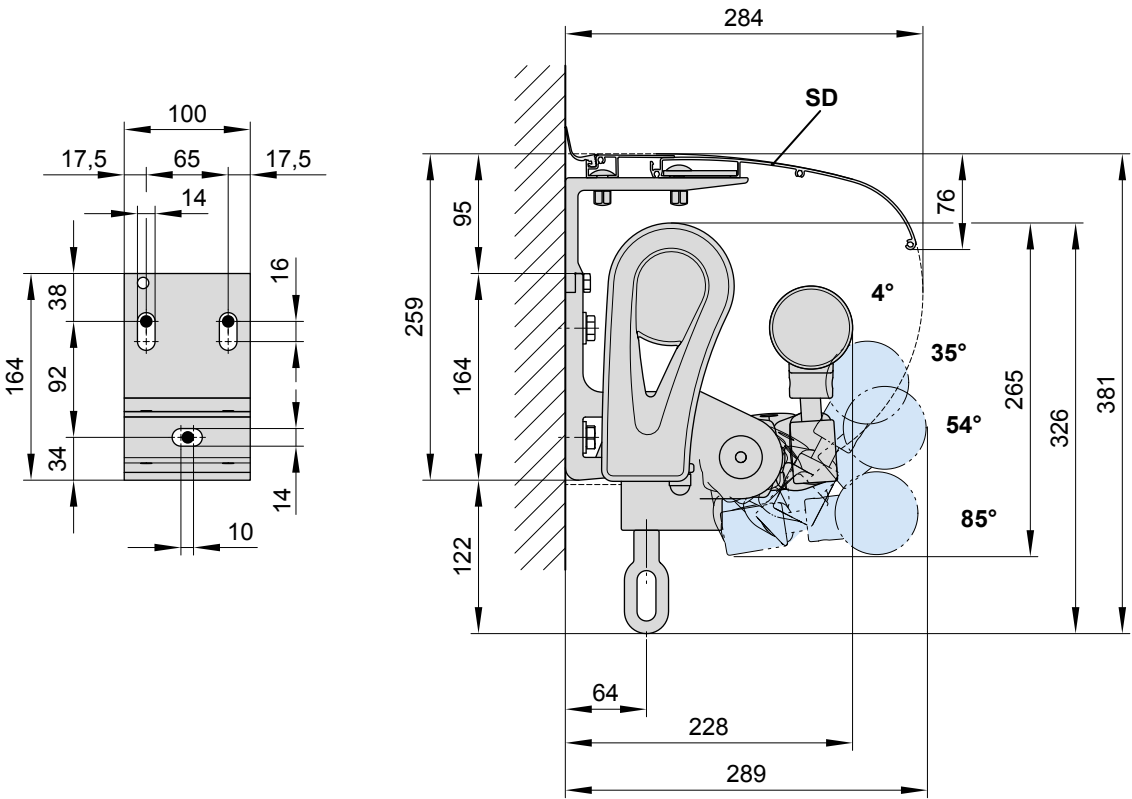
The gearbox operation eye can be fitted to either the left or right arm without a problem on site. All the components needed to adjust the pitch of the awning are hidden away inside the torque bar and so protected from the elements.

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!

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

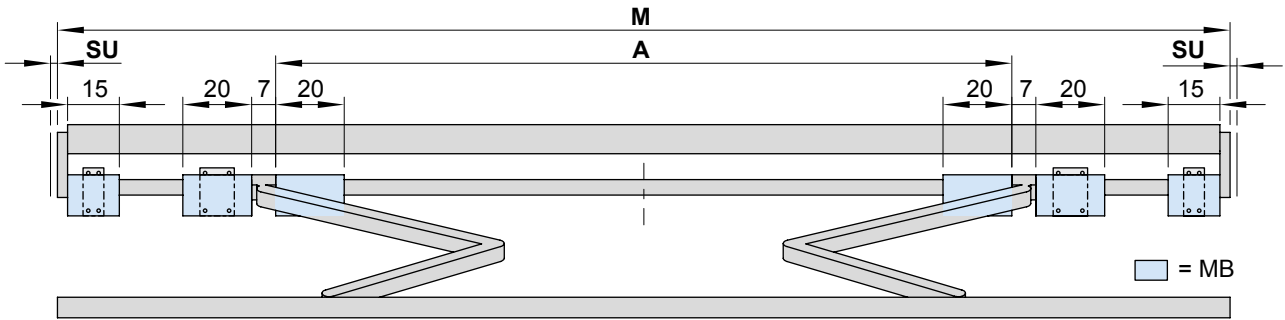


- 71664. = wall bracket 100 mm
- H = order dimension = projection
- SD = aluminium coverboard

dimensions in mm

Bracket fixture range

Awning with 2 folding arms



dimensions in cm

Order dimensions		Overall awning width										
		250	300	350	400	450	500	550	600	650		
		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					

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

- 1) = coupled awning in intermediate widths available on request with junction roller
- 2) = 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. 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 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 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 bracket

DE = top fixture bracket

DP = spacer plate 71642, fitting area at outer brackets
- H = *order dimension* = projection

M = *order dimension* = awning width

MB = bracket fixture range

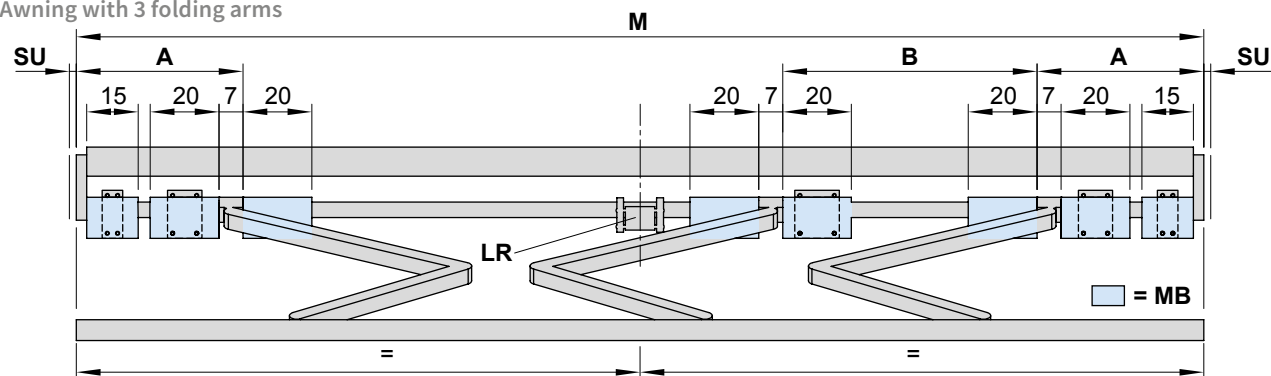
PA = markilux panel, fixture profile, width 250 mm

SU = coverboard overhang 2 cm

W = face fixture bracket

Bracket fixture range

Awning with 3 folding arms



dimensions in cm

		Overall awning width									
		650					700				
Order dimensions		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	60	2 4									
	100	3 9									
BP		A 3 24 B 3 12									
DP		2									
PA		5 20									
DE	60	2 4									
	90	3 12									
DA	90	5 20									

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

dimensions in cm

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 markilux.com website under "Pull-out Forces".

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

2) = brackets 60 mm are not to be applied for this size

A, B = arm position

BHT = bracket width

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

DA = eaves fixture bracket

DE = top fixture bracket

DP = spacer plate 71642, fitting area at outer brackets

H = **order dimension** = projection

LR = rolltex bearing

M = **order dimension** = awning width

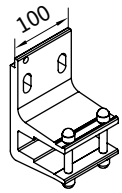
MB = bracket fixture range

PA = markilux panel, fixture profile, width 250 mm

SU = coverboard overhang 2 cm

W = face fixture bracket

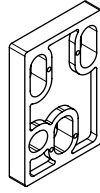
Fixtures, fittings and accessories



71664.

face fixture bracket

100 mm

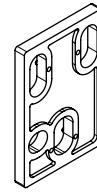


758831

spacer plate

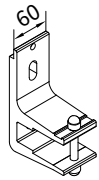
100 × 150 × 20 mm

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



758841

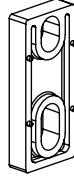
spacer plate
100 × 150x × 12 mm



71665.

face fixture bracket

60 mm

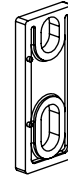


716321

spacer plate for face
fixture

60 × 140 × 20 mm

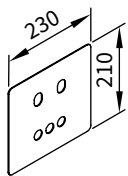
Attention!
stack to a max. height of
200 mm



71642.

spacer plate for face
fixture

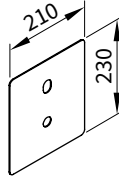
60 × 140 × 12 mm



71843.

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

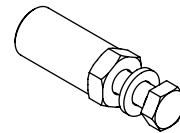
230 × 210 × 2 mm



71844.

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

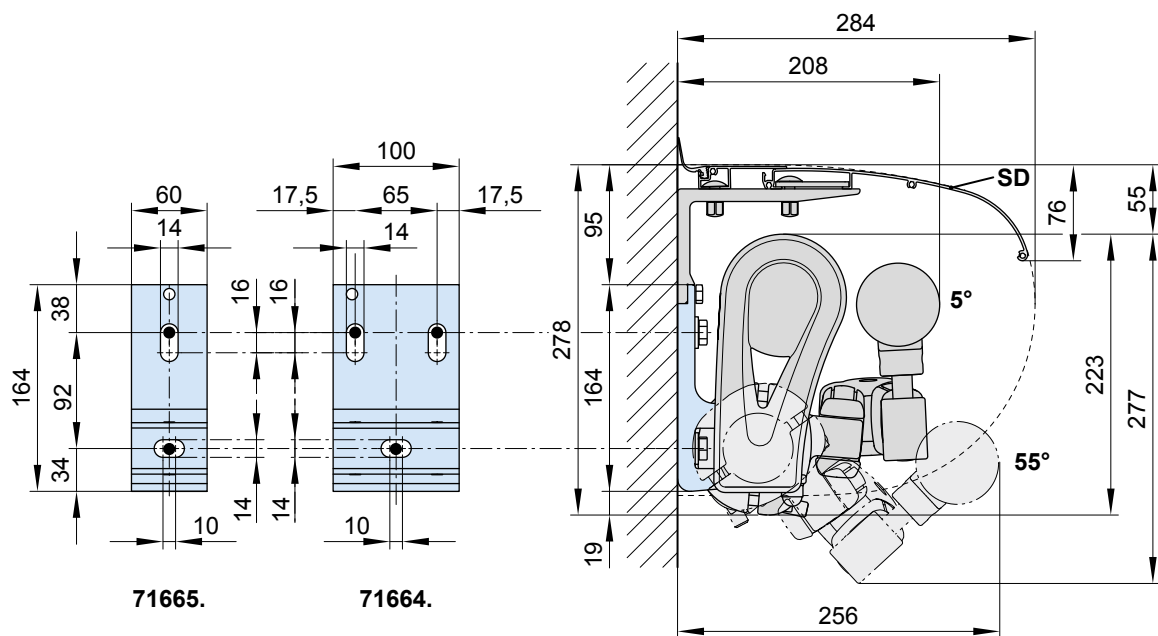
210 × 230 × 2 mm



bolt reduction
assembly

pack 10 pcs

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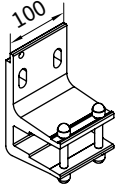
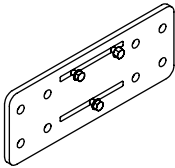
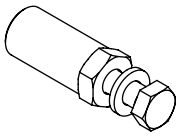
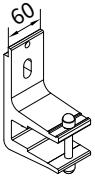
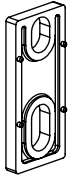


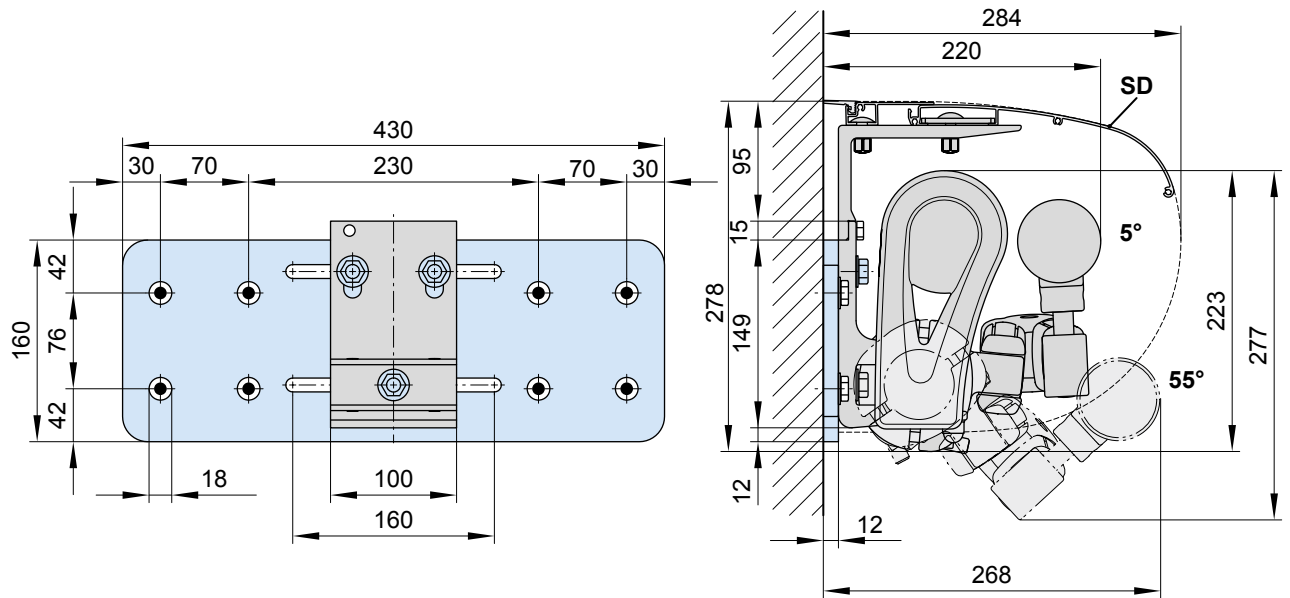
SD = aluminium coverboard

dimensions in mm

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.	 bolt reduction assembly 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 for face fixture 60 × 140 × 12 mm 71642.	

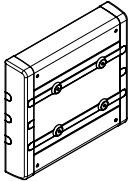


SD = aluminium coverboard

dimensions in mm

Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories

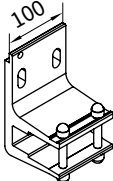


markilux panel 250 mm
fixture profile

with decorative profiles
and end caps

250 × 230 × 49 mm

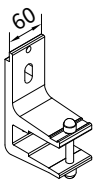
76308.



face fixture bracket

100 mm

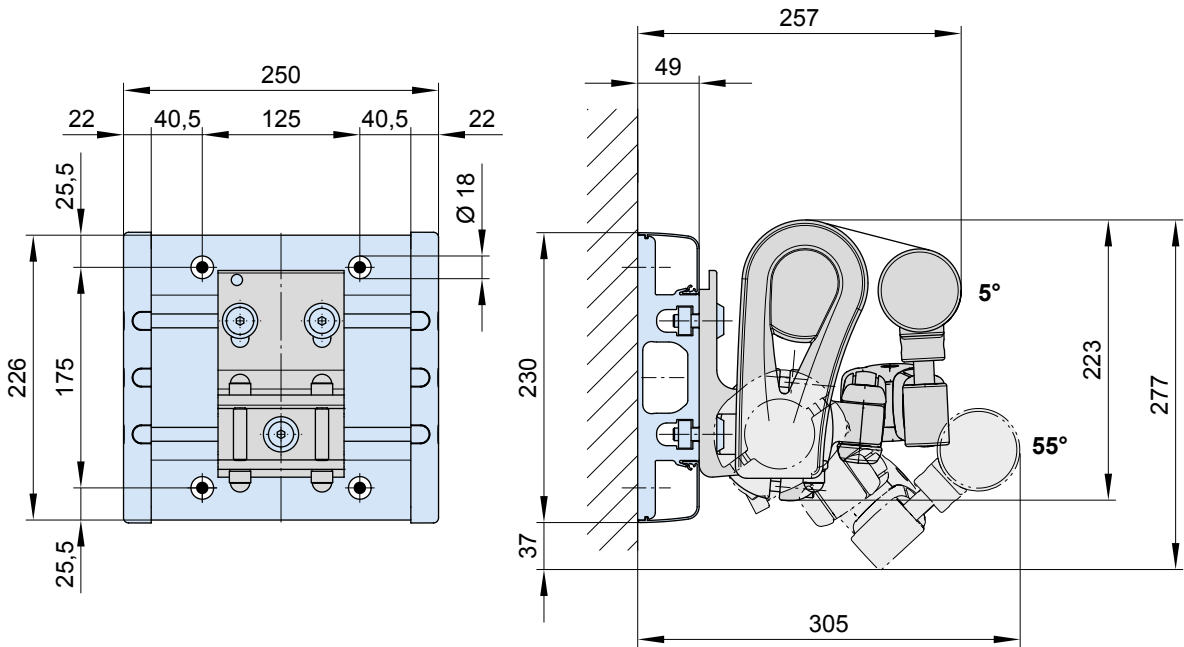
71664.



face fixture bracket

60 mm

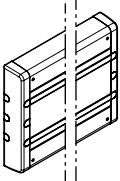
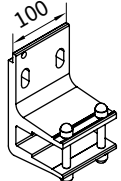
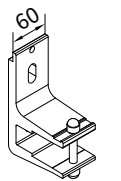
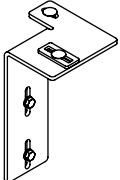
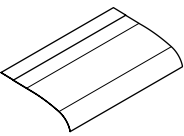
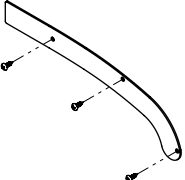
71665.



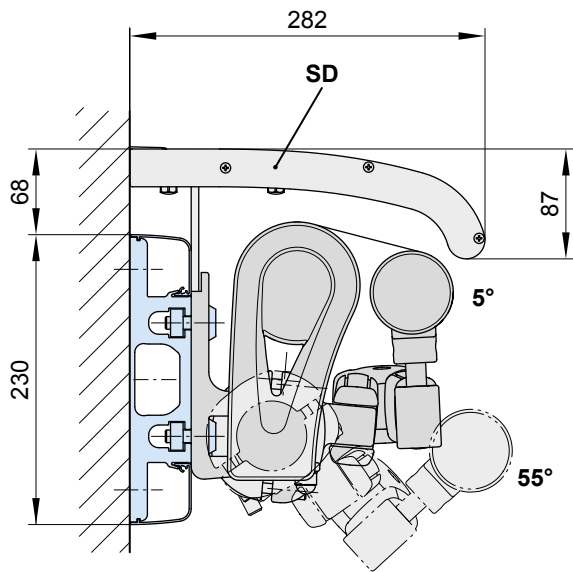
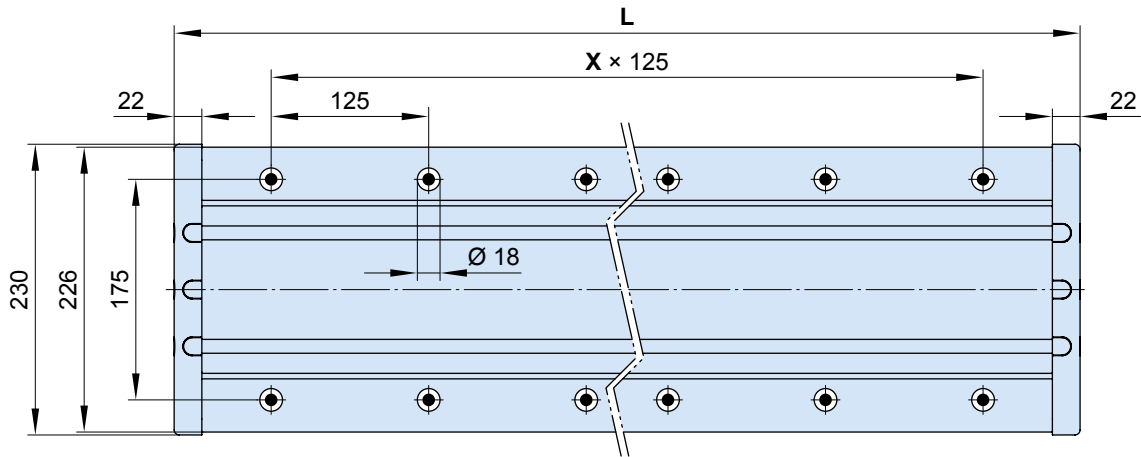
dimensions in mm

Face fixture with markilux panel continuous

Fixtures, fittings and accessories

 markilux panel 250 mm fixture profile with decorative profiles and end caps continuous 76380.	 face fixture bracket 100 mm 71664.	 face fixture bracket 60 mm 71665.
 Coverboard brackets 76390.	 Coverboard incl. additional profile and rubber sealing strip 72015., 72019., 75970.	 End cheeks for the coverboard, 282 x 87 x 2 mm and 3 fillister head self-tapping screws 76469. und 3 x 735611

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.

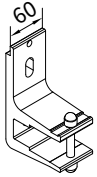


L = individual width, max. 7000 mm
SD = coverboard

X = fixing point separation, **by way of example**

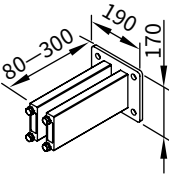
Face fixture with stand-off bracket

Fixtures, fittings and accessories



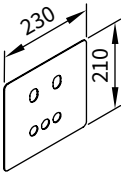
face fixture bracket
60 mm

71665.



guide rod bracket
for 2 face fixture bracket
71665.

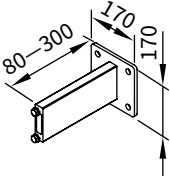
77968.



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

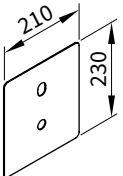
230 × 210 × 2 mm

71843.



guide rod bracket
for face fixture bracket
71665.

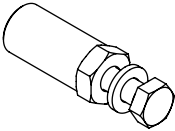
77967.



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

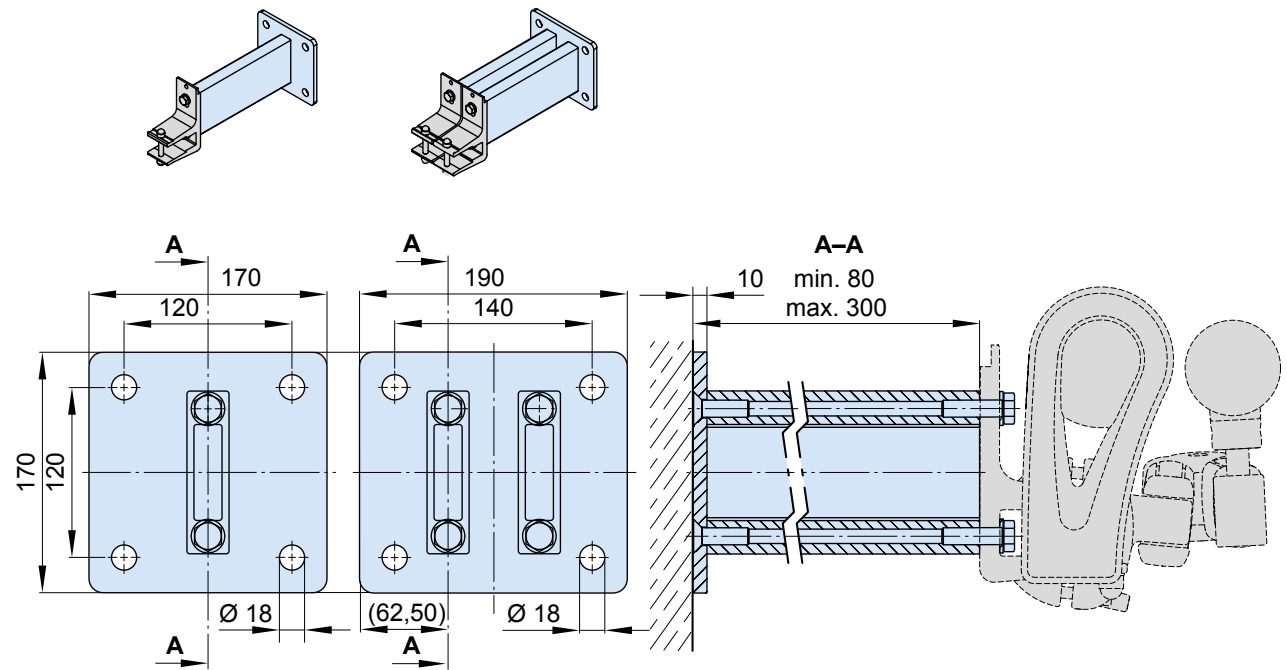
210 × 230 × 2 mm

71844.



bolt reduction
assembly
pack 10 pcs

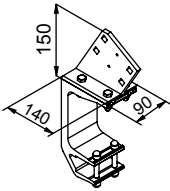
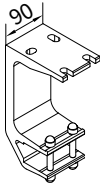
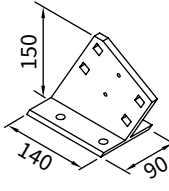
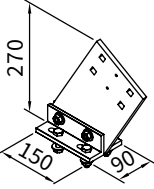
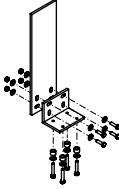
M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10



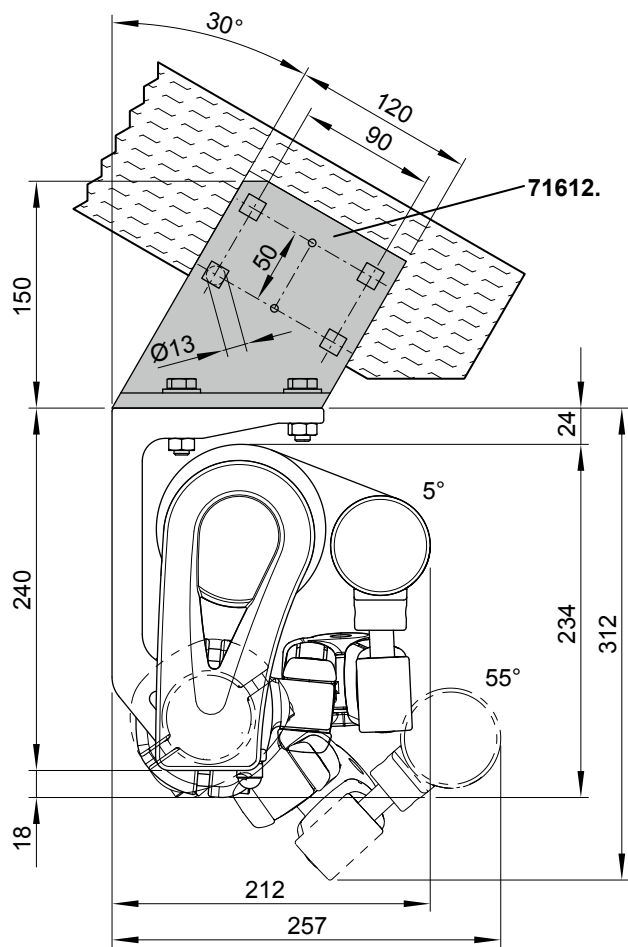
dimensions in mm

Eaves fixture

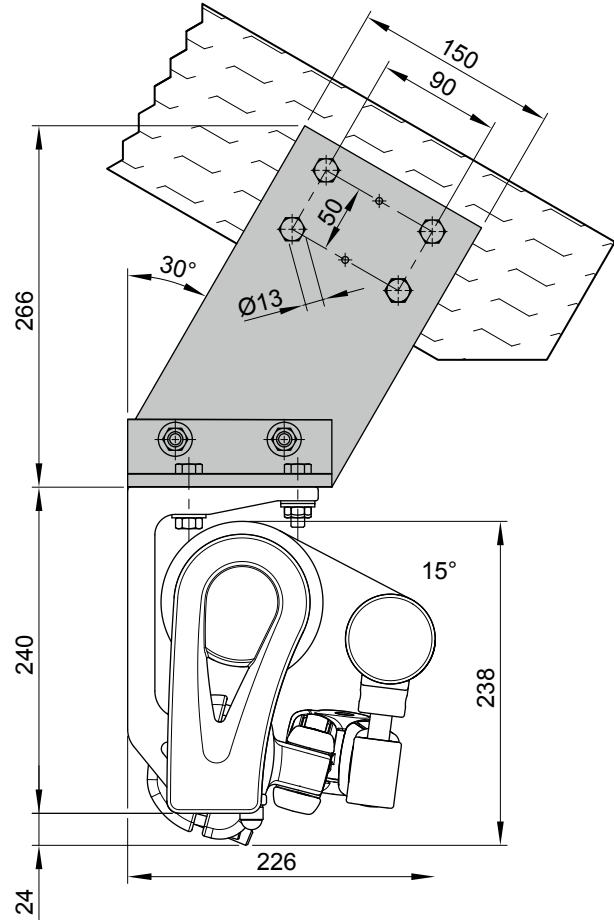
Fixtures, fittings and accessories

 eaves fixture bracket 150 mm 71899.	 top fixture bracket 90 mm 71666.	 eaves fixture bracket 150 mm plate 71612.
 eaves fixture bracket 270 mm 71659.	 flat plate and angled bracket for eaves fixture machine finish 716620	

With eaves fixture bracket 150 mm (71612.)



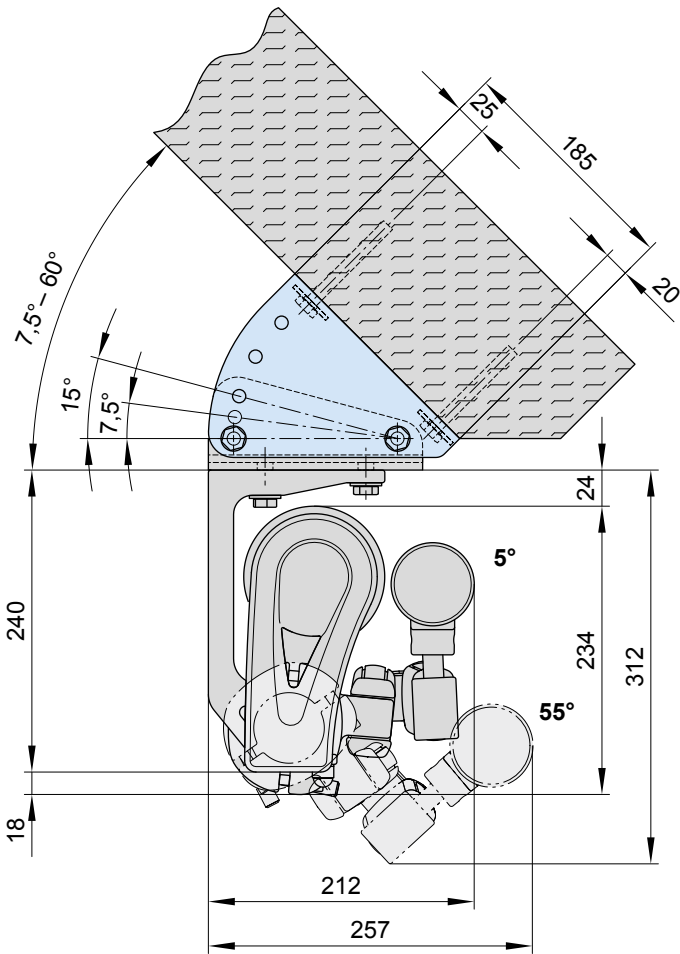
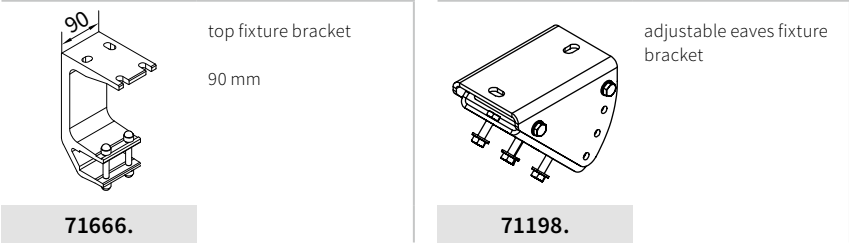
With eaves fixture bracket 270 mm (71659.)



dimensions in mm

Roof timber (eaves) fixture using adjustable brackets

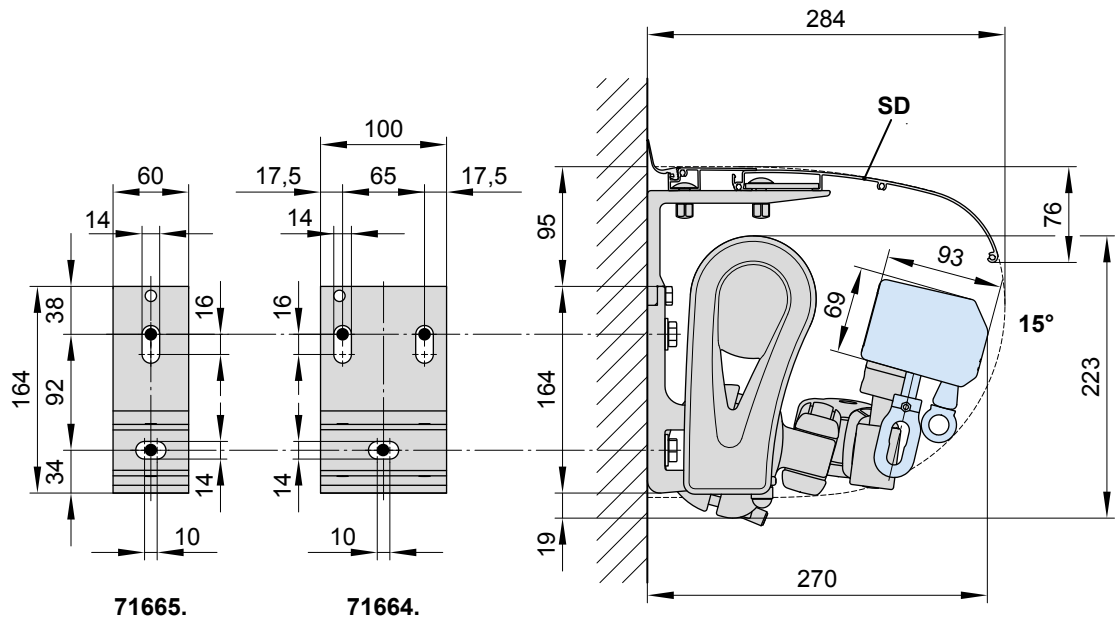
Fixtures, fittings and accessories



dimensions in mm

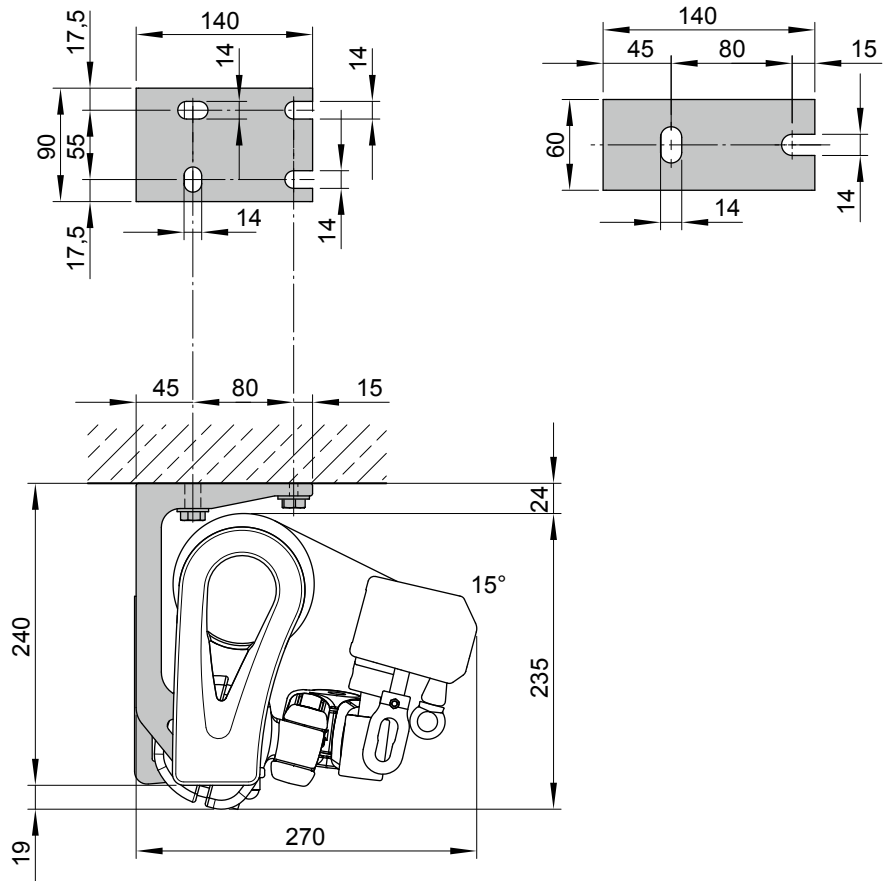
Awning with shadeplus

Face fixture



Top fixture

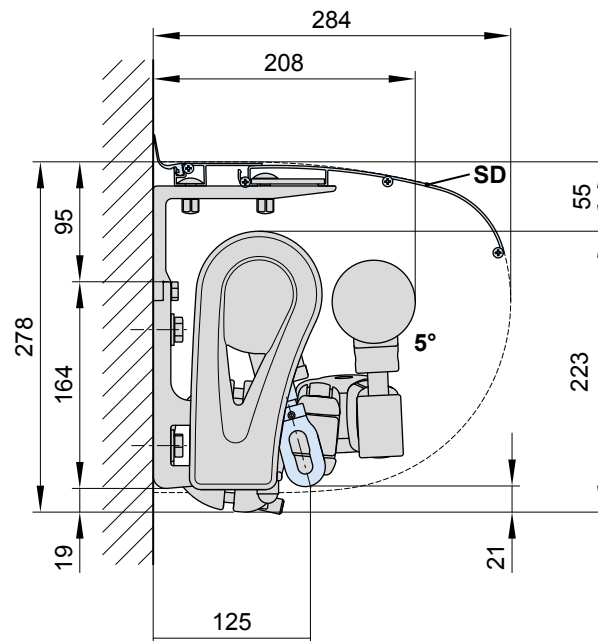
14



SD = aluminium coverboard

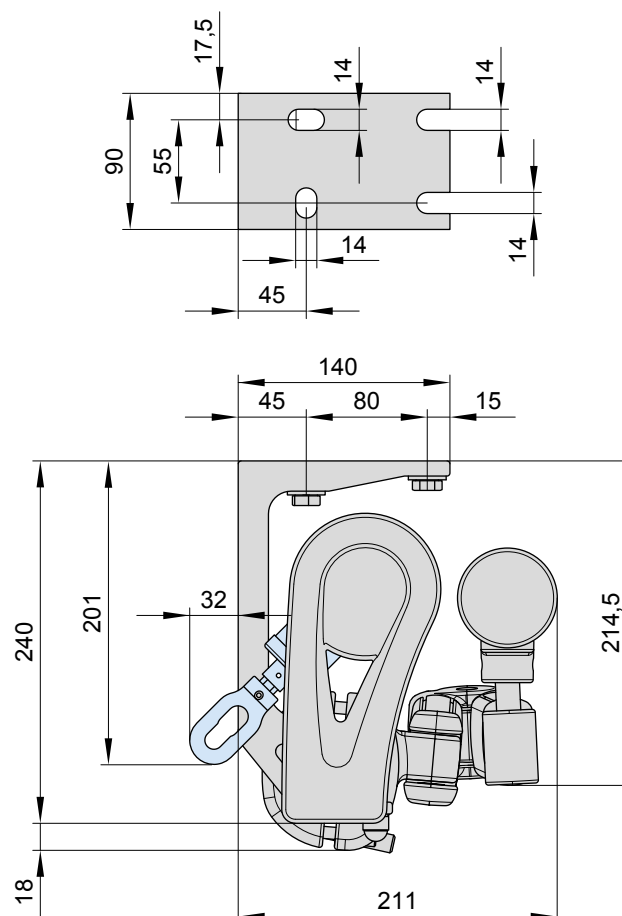
dimensions in mm

Face fixture, manual operation



Top fixture, manual operation

Operation from the rear

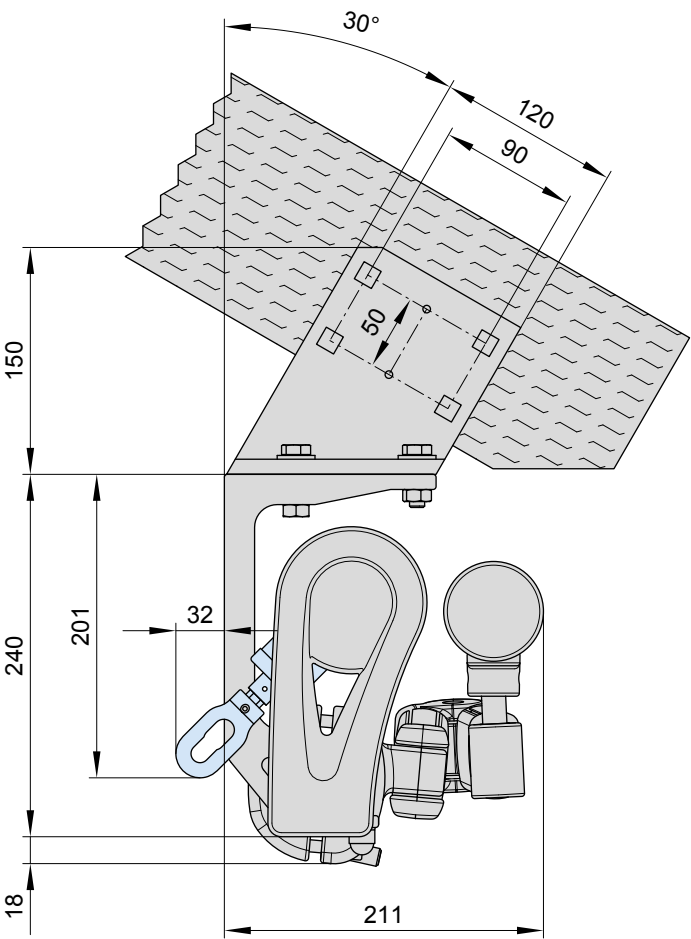


SD = aluminium coverboard

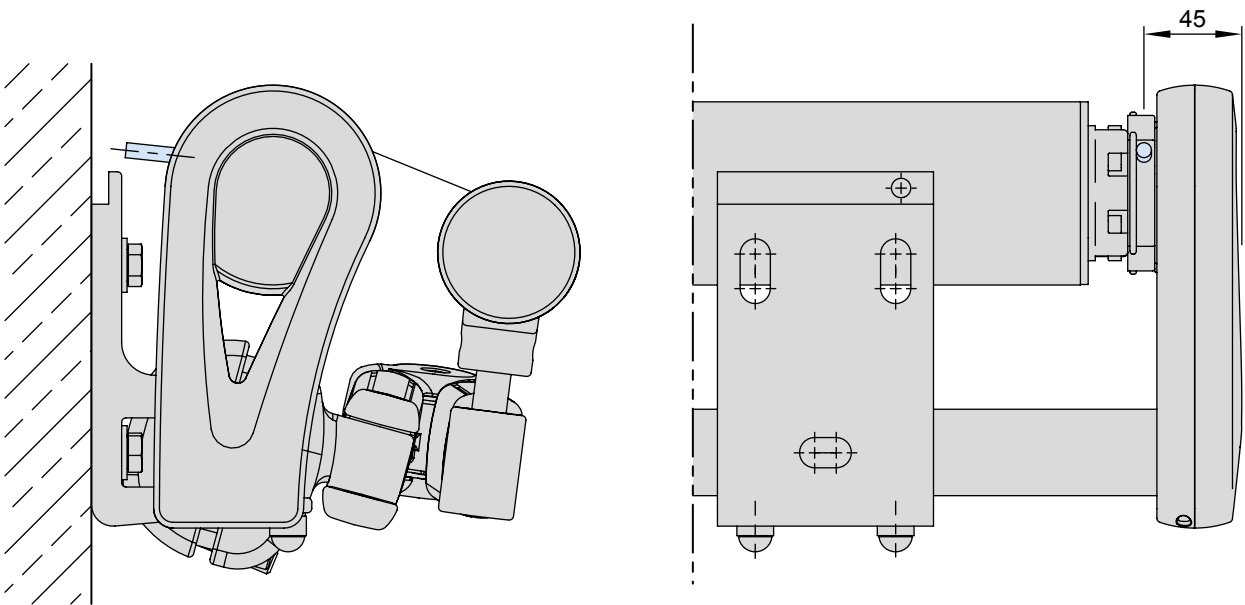
dimensions in mm

01 Eaves fixture, manual operation

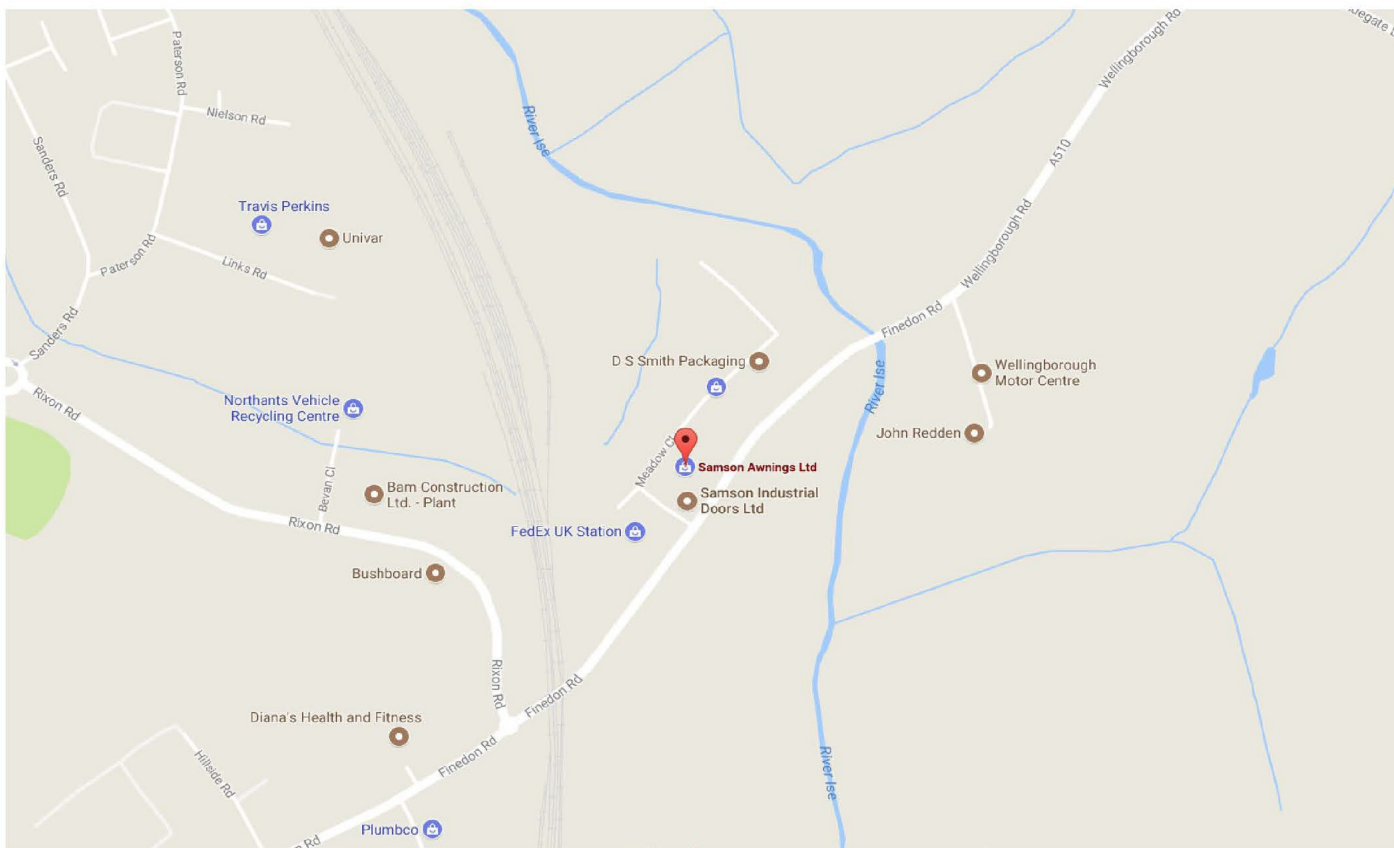
02 Operation from the rear



Motor cable exit point



dimensions in mm



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