



Cassette awning

## markilux MX-2

The cassette awning with organic, harmonious design language.

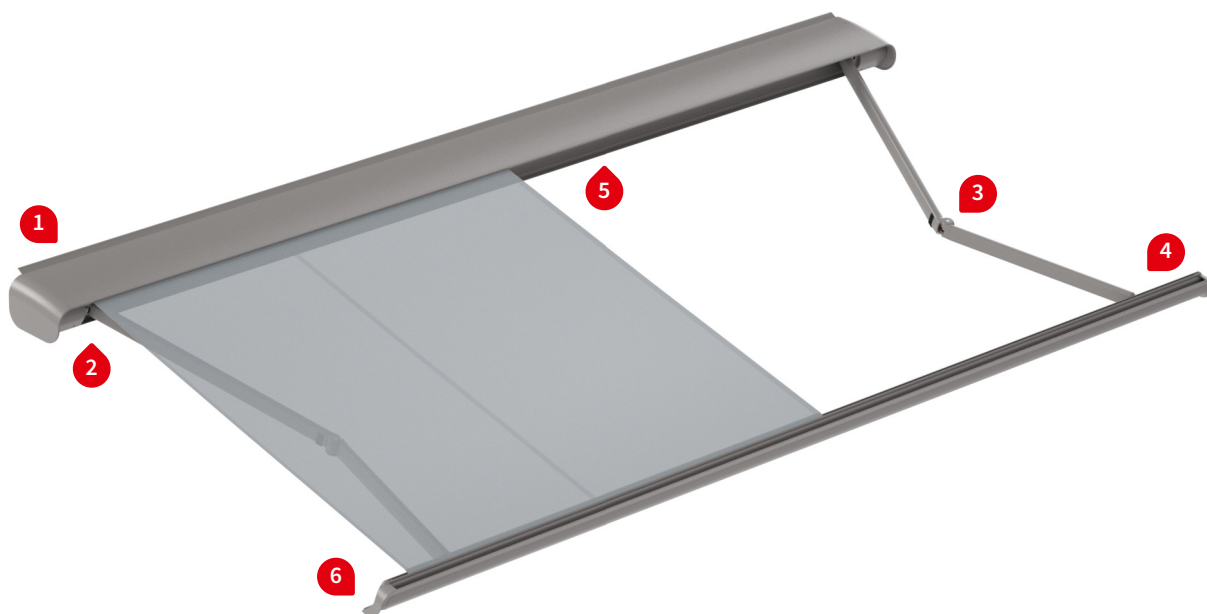


[markilux.com](https://www.markilux.com)

**markilux**  
safe timeless beautiful

## Product characteristics

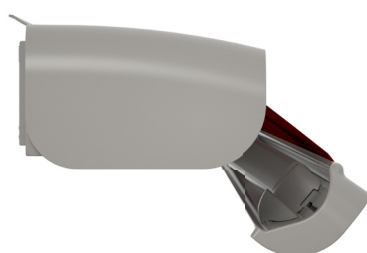
Wind resistance class 2  
Beaufort 5 → 7.5–10.4 m/s → 28–37 km/h → 17–23 mph



1 face fixture



1 face fixture, maximum pitch of 30°



1 top fixture



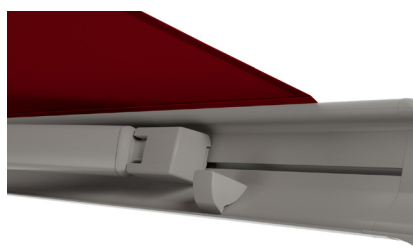
2 arm bearer with tilt device technology, integrated windlock mechanism



3 bionic tendon made of high-tech fibres for optimum power transference



4 arm connection to the front profile



5 LED-Line in the cassette <sup>1)</sup>



6 gutter with water drainage holes to the side



1) Optional accessories

## Product characteristics

### Description

- cassette awning in elegant design - with rounded housing, sophisticated features and unique bracket technology

### Special features

- the elegant look fits in perfectly with a minimalist style of architecture - organic, harmonious design language
- clear design language without corners and edges - the housing and front profile attractively protect the technology enclosed within
- the special cassette profile surrounds the roller tube even when the awning is extended and lends the awning a harmonious, closed appearance
- when the awning is extended, the front profile with integrated rain gutter is attractively accentuated
- option of directional LED Line RGB-WW fitted to the underside of the cassette which provides an appealing atmosphere in the evening
- the virtually invisible face and top fixture brackets mean the awning cassette fits flat against the building
- the tilt device technology with integrated windlock mechanism functioning as arm bearers ensures the awning closes cleanly regardless of the pre-set pitch

### Dimensions

- cassette in the standard version: depth 280 mm, height 167 mm
- single unit: minimum width 195 cm at the smallest projection of 150 cm
- Maximum width 500 cm at a large projection of 350 cm or 600 cm × 300 cm

### 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 cassette side cap is made of die-cast aluminium, powder coated

### Blind profiles

- extruded aluminium, in façade quality, powder coated
- two-piece cassette with clever inner profile – providing the awning cover with optimum protection against the elements
- the lower casing profile of the cassette has drainage holes to allow rainwater to escape, at the ends of the awning and in the centre
- front profile with integrated rain gutter

### 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 the innovative bionic tendon at the elbow joint, made of high tensile, high-tech fibres low in friction, noiseless, insensitive to corrosion and UV resistant

### Side caps

- the cassette end caps are made of die-cast aluminium, powder coated
- the internal caps to cover the internal arm bearers at the side are made of die-cast aluminium
- the front profile end caps are made of die-cast aluminium, powder coated, with water drainage holes

### Fixture brackets

- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- Awning pitch adjustment range 5° to 30°
- 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

grey brown, similar to RAL 8019



off-white textured finish, 5233 <sup>1)</sup>

stone grey metallic, 5215 <sup>1)</sup>

anthracite metallic, 5204 <sup>1)</sup>



havana brown textured finish, 5229 <sup>1)</sup>



### 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.

<sup>1)</sup> textured finish



## Colour combinations for the MX-2 colour

Cassette in ten defined two-tone combinations emphasising its exclusive design features

**Top cassette profile** Traffic white RAL 9016

**Frame colour** Stone grey metallic 5215

**Cover recommendation 1** 36965

**Cover recommendation 2** 31411



**Top cassette profile** Anthracite metallic 5204

**Frame colour** White aluminium RAL 9006

**Cover recommendation 1** 36924

**Cover recommendation 2** 31204

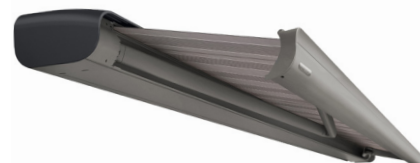


**Top cassette profile** Anthracite metallic 5204

**Frame colour** Stone grey metallic 5215

**Cover recommendation 1** 31467

**Cover recommendation 2** 36981



**Top cassette profile** Off-white textured finish 5233

**Frame colour** Havana brown textured finish 5229

**Cover recommendation 1** 31404

**Cover recommendation 2** 31472



**Top cassette profile** Anthracite metallic 5204

**Frame** Traffic white, RAL 9016

**Cover recommendation 1** 30709

**Cover recommendation 2** 30401



**Top cassette profile** Havana brown textured finish 5229

**Frame colour** Off-white textured finish 5233

**Cover recommendation 1** 31409

**Cover recommendation 2** 41161



**Top cassette profile** New champagne metallic 5062

**Frame colour** Anthracite metallic 5204

**Cover recommendation 1** 30207

**Cover recommendation 2** 36918

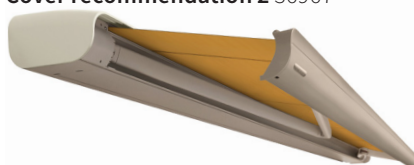


**Top cassette profile** Off-white textured finish 5233

**Frame colour** New champagne metallic 5062

**Cover recommendation 1** 36907

**Cover recommendation 2** 36967



**Top cassette profile** Concept black 5095 (RAL 9005 matt)

**Frame colour** Traffic white RAL 9016

**Cover recommendation 1** 41680

**Cover recommendation 2** 31028



**Top profile** Crimson RAL 3002

**Frame colour** Concept black 5095 (RAL 9005 matt)

**Cover recommendation 1** 36923

**Cover recommendation 2** 30703



### Notes on selecting colours: markilux MX-2 colour

From a total of ten colour combinations, in terms of top/cassette profile and frame colour, the markilux MX-2 can be configured even more individually. The matching cover colour can be chosen from the recommendations or can be chosen freely from the markilux collection one cover collection.

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

There are no other colour combinations available.

**Optional accessories**


LED-Line RGB-WW in the cassette
infrared heater 2500 W
Infrared heater 2500 W with integrated radio-controlled receiver 868 MHz radio-controlled io
Automatic controls (light, wind, rain)
N.B. Important background information can be found in the chapter "Optional Accessories".

**Fixture options**

face fixture bracket left, 100 mm	72826.
face fixture bracket right, 100 mm	72827.
fixture plate A 430 × 160 × 12 mm	72870.
fixture plate B 300 × 400 × 12 mm	73465.
fixture plate C 310 × 130 × 12 mm	72526.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	701104
Vertical fixture rail	62421.
stand-off bracket 80–300 mm	72872.
top fixture bracket left 90 mm	60523.
top fixture bracket right 90 mm	60524.
eaves fixture bracket left, 90 mm, 150 mm top plate	60603.
eaves fixture bracket right, 90 mm, 150 mm top plate	60604.
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 90 mm	75383.

## Dimensions and configuration options


### Single unit


		Overall awning width								Minimum width
		250	300	350	400	450	500	550	600	Motor
Order dimensions		195 — 250	251 — 300	301 — 350	351 — 400	401 — 450	451 — 500	501 — 550	551 — 600	
H	150	1) —	—	—	—	—	—	—	—	195
	200	1) —	—	—	—	—	—	—	—	245
	250	—	1) —	—	—	—	—	—	—	295
	300	—	—	1) —	—	—	—	—	—	345
	350	—	—	—	1) —	—	—	—	—	395

dimensions in cm

1) = please note the minimum widths!

H = projection

 = 2 folding arms,  
2 brackets

 = 2 standard arms

### Operation

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

### Coupled awnings

not available

### Awning cover

	fabric pattern no.	standard	optional
sunvas	300.. – 315..	✓	—
sunsilk	324.. / 328.. / 369..	✓	—
sunbow <sup>1)</sup>	411.. - 427..	✓	—
smart art	340..	—	✓
perla FR	371.. / 372..	—	✓

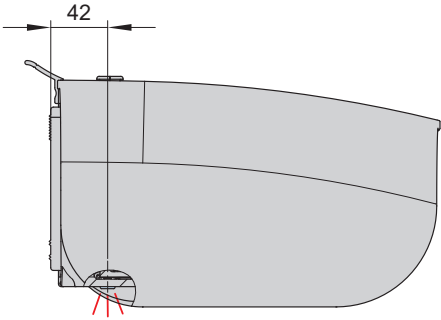
1) up to max. 300 cm projection available

### Shadeplus

not available

Lighting options

LED-Line in the cassette



dimensions in mm

Technical specification

Operating voltage	230 V, 50 Hz
power output per metre	11 W / metre
number of LEDs per metre	144 LEDs/ metre
Light source	LED (24 V)
Number of transformers	1 unit
light temperature	RGB colour light change and warm white
IP protection class	IP 44
Service life	approx. 15.000 h

Controls

	standard	optional
radio-controlled io (868 MHz)	✓	—
Zigbee	—	✓

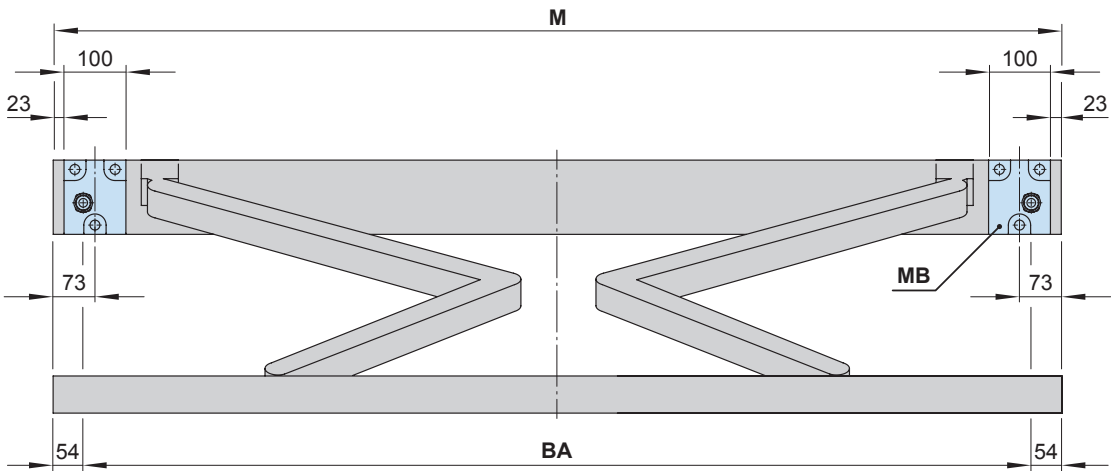
Electrical connection

power supply cable H05RN-F 3G1 (3 × 1 mm²) with open end
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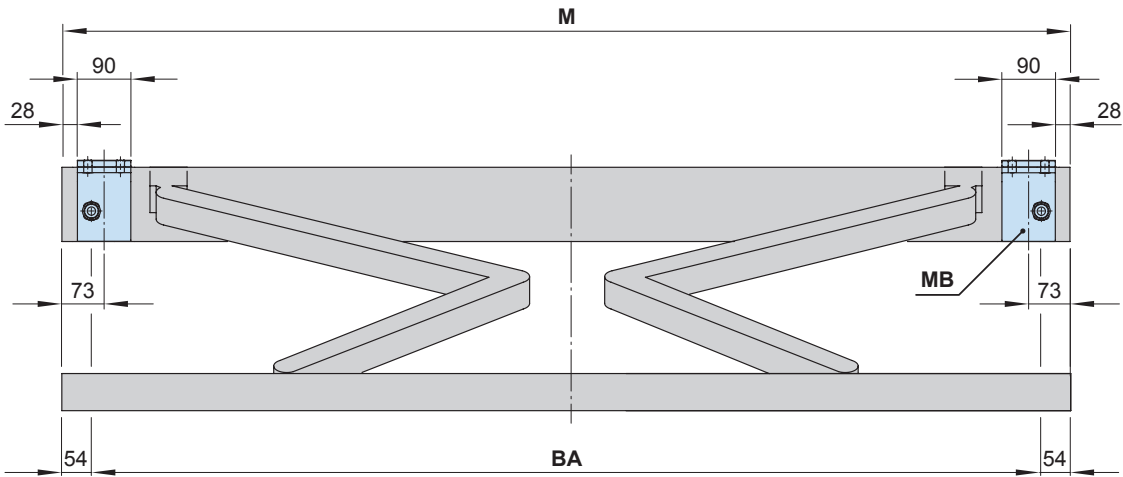


Bracket fixture range

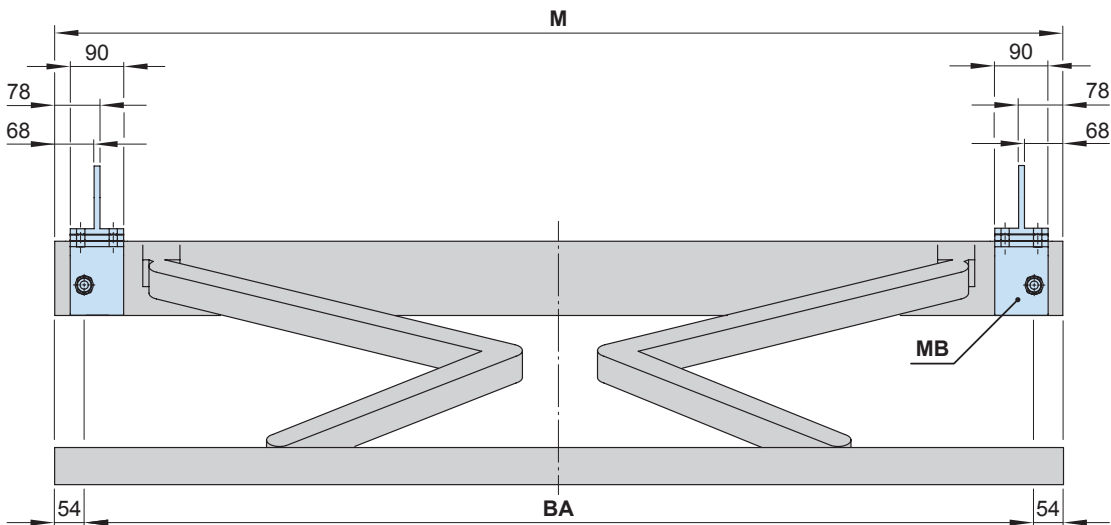
Face fixture



Top fixture



Eaves fixture



- BA = width between fixture points
- MB = bracket fixture range
- M = order width = awning width

dimensions in mm

No. of brackets | No. of fixing points

Order dimensions		Awning width							
		250	300	350	400	450	500	550	600
		195 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600
BHT		No. of brackets   No. of fixing points							
W	10	2   6							
BP		A 2   16		B 2   8			C 2   12		
PA		2   8							
DA / DE	9	2   8							

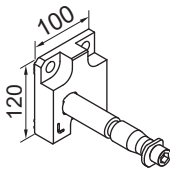
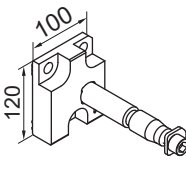
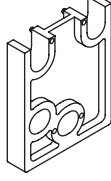
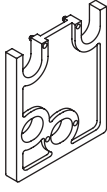
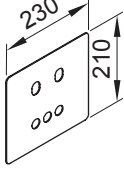
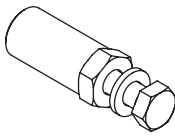
dimensions in cm

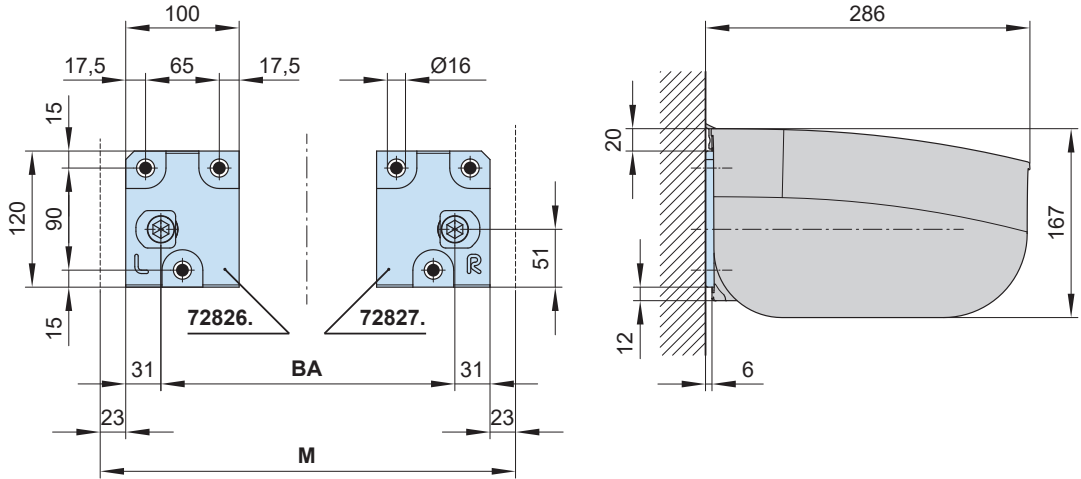
**N.B!** If awnings are installed directly next to one another, a minimum distance of 50 mm must be maintained between each awning! The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the *pro.markilux.com* website under “Pull-out Forces”.

- BHT** = bracket width
- BP** = spreader plate **A** or **B**, to be positioned behind the folding arm
- DA** = eaves fixture brackets
- DE** = top fixture brackets
- PA** = markilux panel, fixture profile, width 250 mm
- W** = face fixture brackets

Face fixture

Fixtures, fittings and accessories

 <p>face fixture bracket left</p> <p>72826.</p>	 <p>face fixture bracket right</p> <p>72827.</p>	 <p>spacer plate for face fixture 100x 120 x 20 mm; black</p> <p><b>N.B!</b> stack to a max. height of 200 mm</p> <p>718581</p>
 <p>spacer plate for face fixture 100x 120 x 12 mm; black</p> <p>718571</p>	 <p>cover plate for spacer plate and stand-off brackets in the case of external insulation 230 x 210 x 2 mm</p> <p>71843.</p>	 <p>reduction bolt M 16 → M 12 / SW 27 50 mm</p> <p>753891</p>

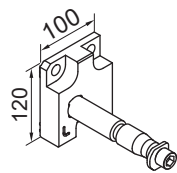


BA = width between fixture points  
M = order dimension = awning width

dimensions in mm

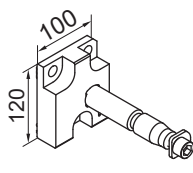
Face fixture with spreader plate A

Fixtures, fittings and accessories



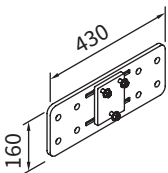
face fixture bracket  
left

72826.



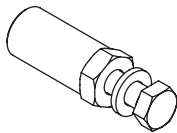
face fixture bracket  
right

72827.



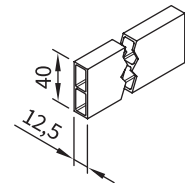
spreader plate A  
430 × 160 × 12 mm

72870.



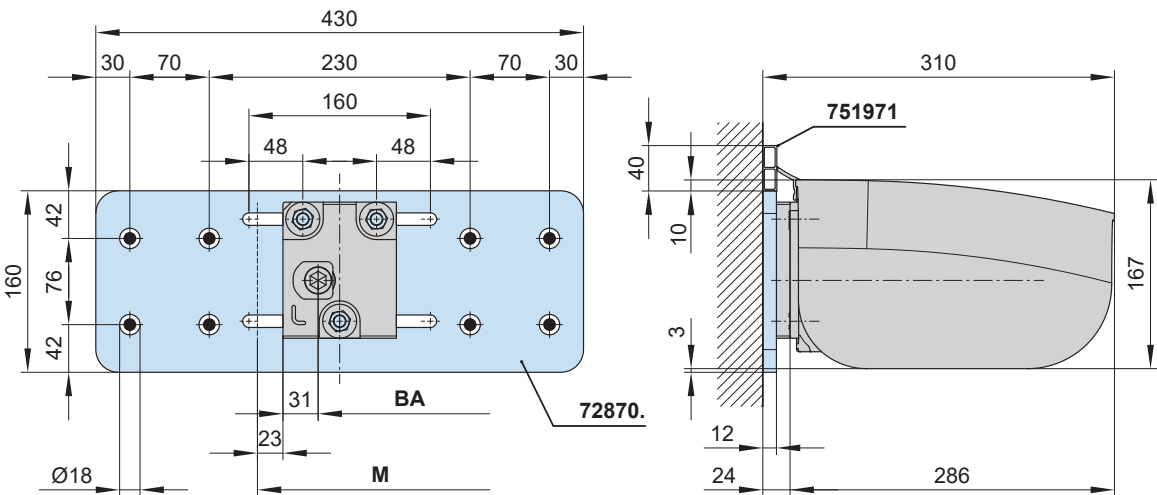
reduction bolt  
M 16 → M 12 / SW 27  
50 mm

753891



stand-off strip  
for wall sealing  
by the metre

751971

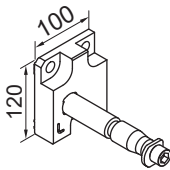


751971 = stand-off strip  
BA = width between fixture points  
M = order dimension = awning width

dimensions in mm

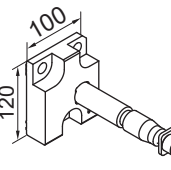
Face fixture with spreader plate B

Fixtures, fittings and accessories



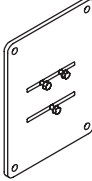
face fixture bracket  
left

72826.



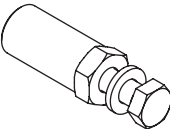
face fixture bracket  
right

72827.



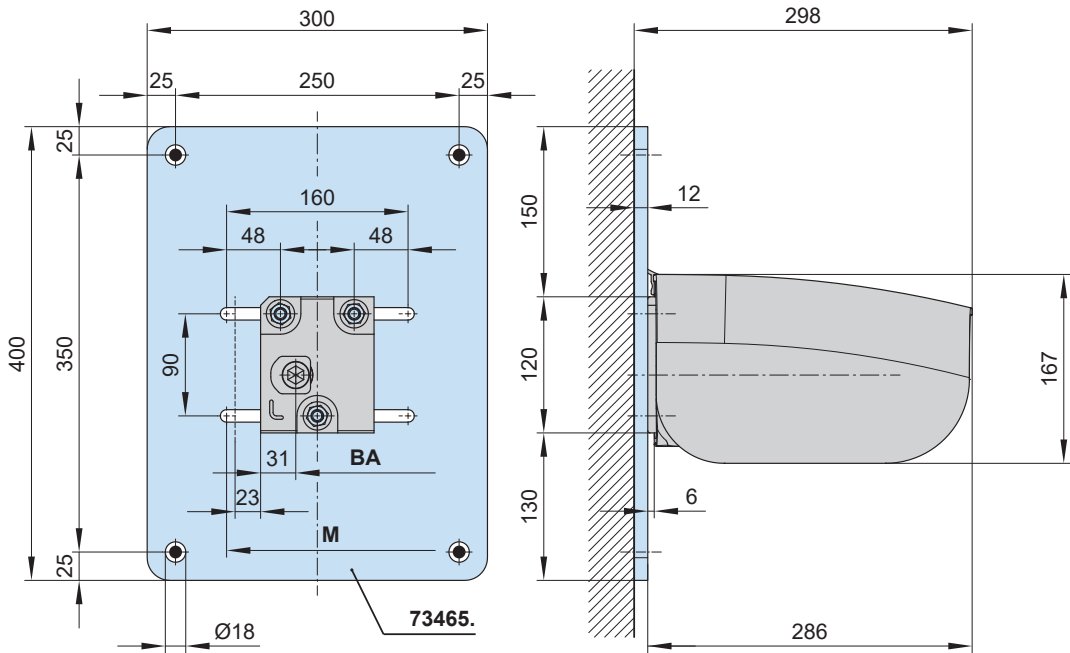
spreader plate B  
300 × 400 × 12 mm

73465.



reduction bolt  
M 16 → M 12 / SW 27  
50 mm

753891

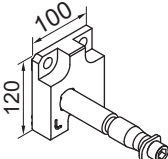


BA = width between fixture points  
M = order width = awning width

dimensions in mm

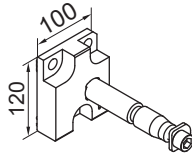
Face fixture with spreader plate C

Fixtures, fittings and accessories



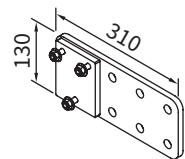
face fixture bracket  
left

72826.



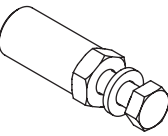
face fixture bracket  
right

72827.



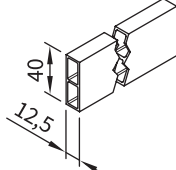
spreader plate C  
310 × 130 × 12 mm

72526.



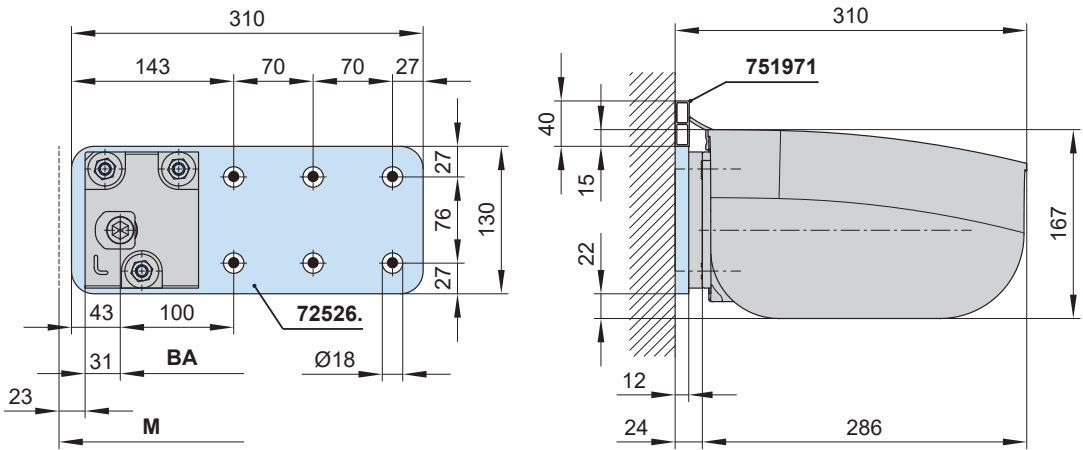
reduction bolt  
M 16 → M 12 / SW 27  
50 mm

753891



stand-off strip  
for wall sealing  
by the metre

751971



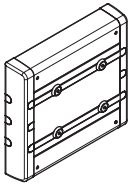
751971 = stand-off strip  
BA = width between fixture points  
M = order dimension = awning width

dimensions in mm



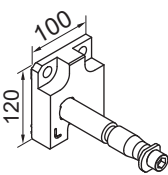
Face fixture using the markilux panel 250 mm wide

Fixtures, fittings and accessories



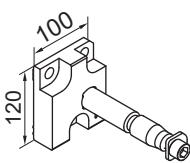
markilux panel  
250 × 230 × 49 mm  
  
with decorative profiles  
and end caps

76308.



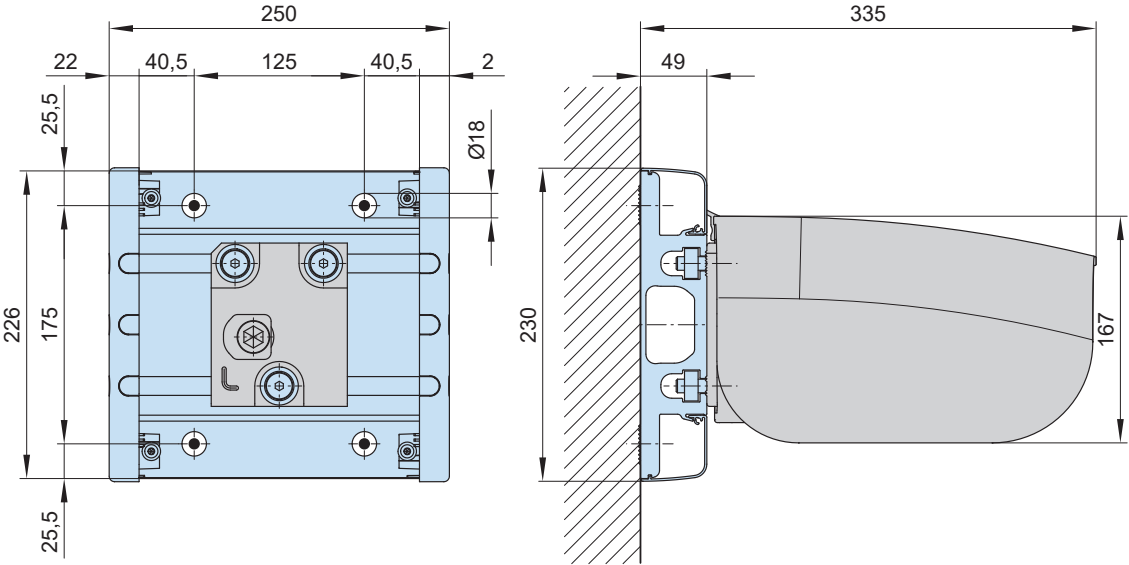
face fixture bracket  
left

72826.



face fixture bracket  
right

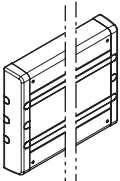
72827.



dimensions in mm

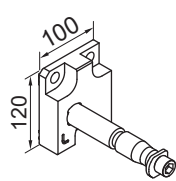
# Face fixture with markilux panel continuous

## Fixtures, fittings and accessories



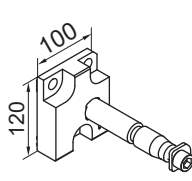
markilux panel continuous  
with decorative profiles and end caps

701104



face fixture bracket left

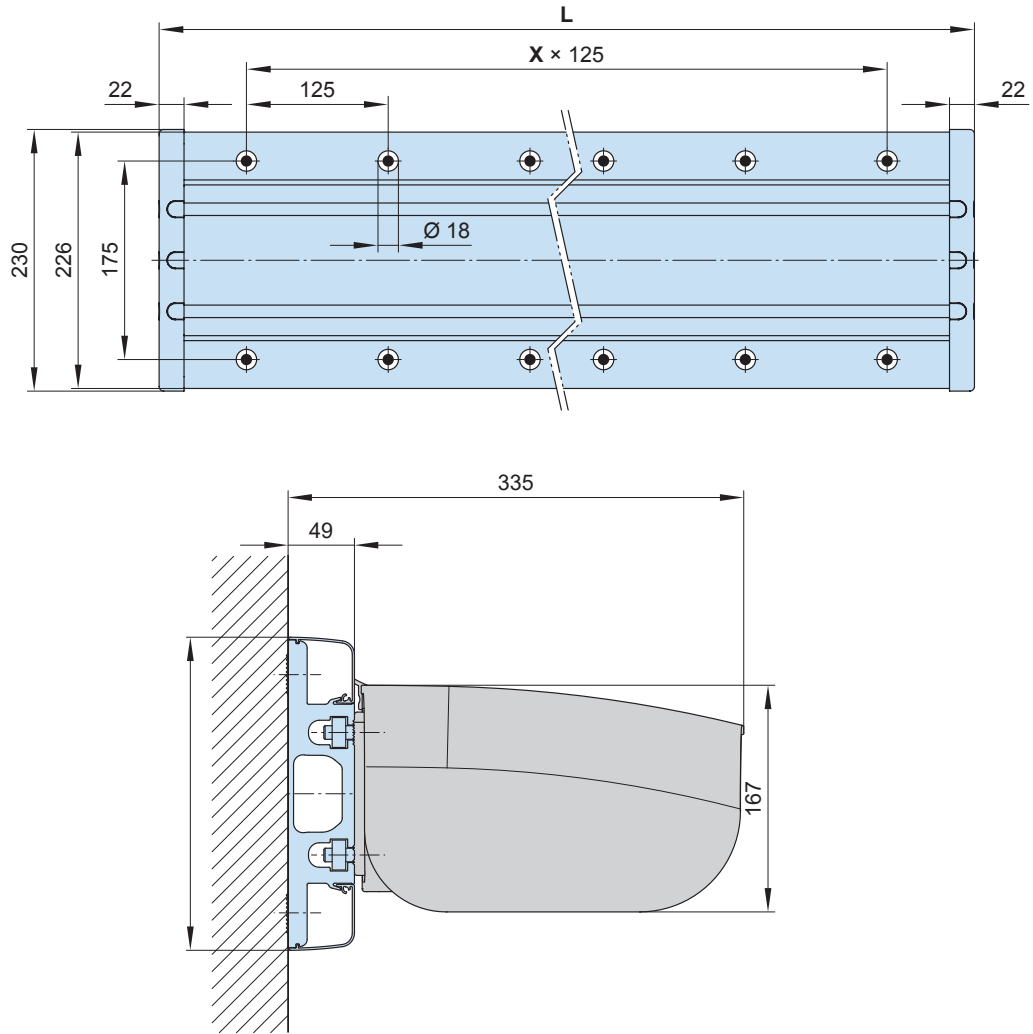
72826.



face fixture bracket right

72827.

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

dimensions in mm

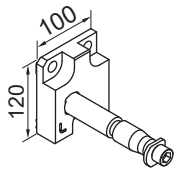
Face fixture with vertical fixture rail

Fixtures, fittings and accessories



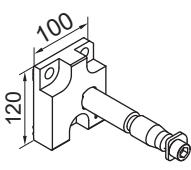
vertical fixture rail  
incl. fixing material  
624291

62421.



face fixture bracket  
left

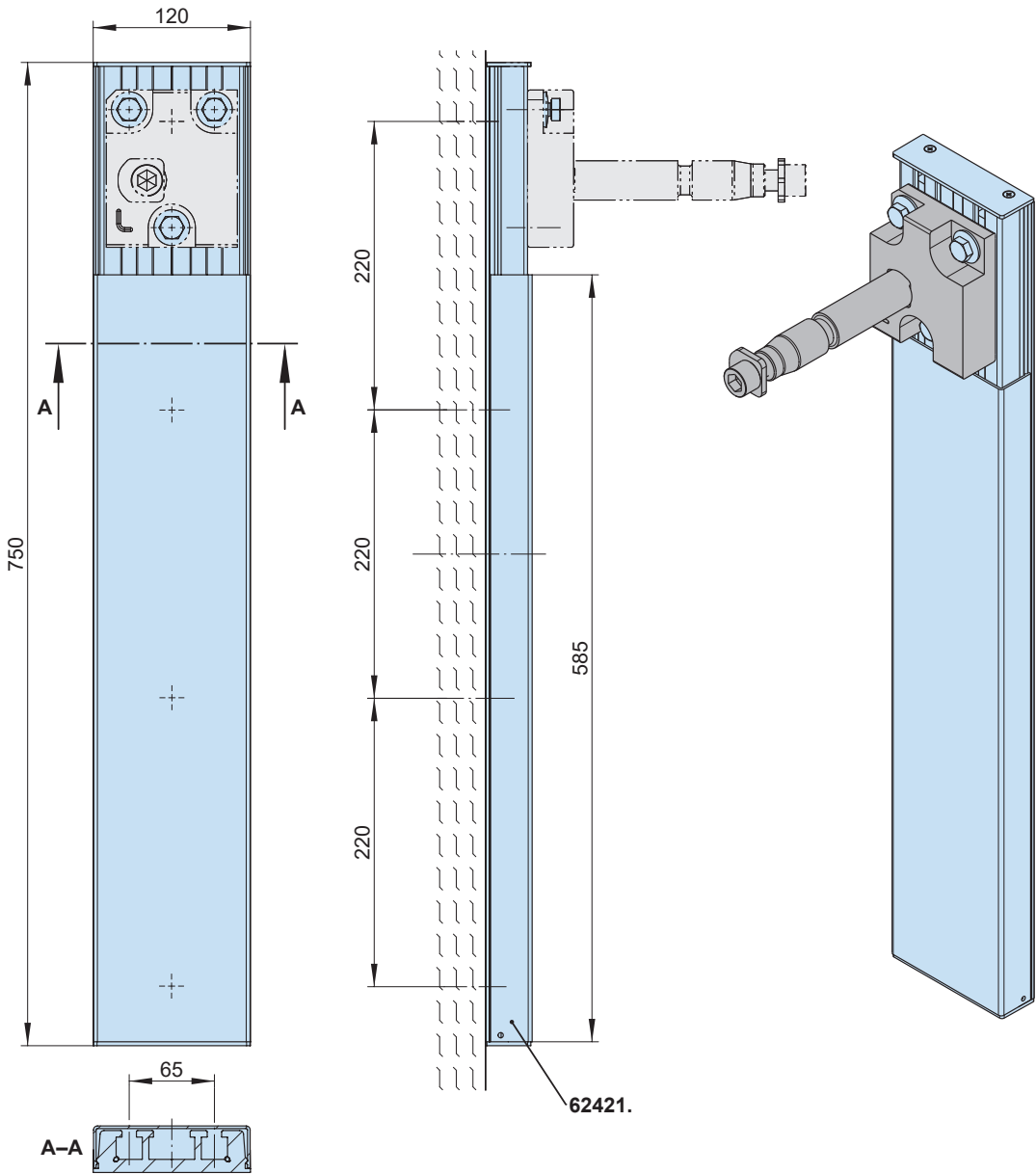
72826.



face fixture bracket  
right

72827.

**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!

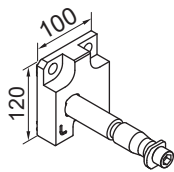


62421. = vertical fixture rail

dimensions in mm

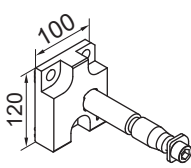
01 Face fixture with stand-off bracket

02 Fixtures, fittings and accessories



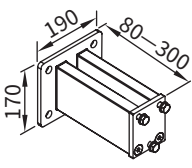
face fixture bracket  
left

05 **72826.**



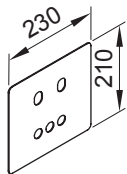
face fixture bracket  
right

**72827.**



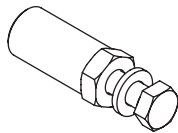
stand-off bracket  
80–300 mm  
for face fixture  
bracket 100 mm  
incl. insulating element

**72872.**



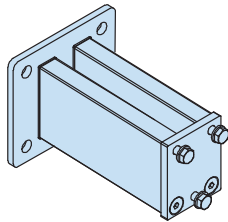
cover plate for spacer  
plate and stand-off  
brackets in the case of  
external insulation  
230 × 210 × 2 mm

**71843.**

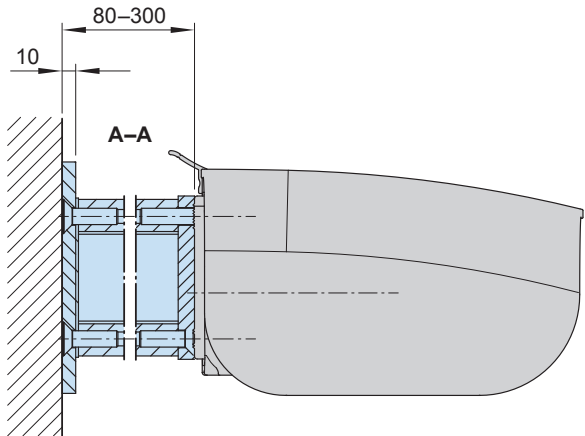
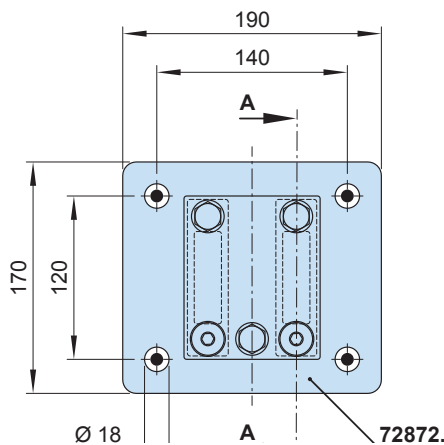


reduction bolt  
M 16 → M 12 / SW 27  
50 mm

**753891**



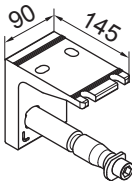
The aluminium stand-off bracket can be shortened on site from 300 mm down to 80 mm. But, then the M 12 threads must be retapped in the shortened profiles.



dimensions in mm

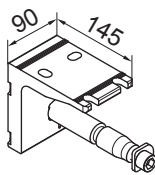
Top fixture

Fixtures, fittings and accessories



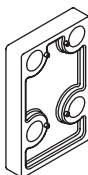
top fixture bracket  
left

60523.



top fixture bracket  
right

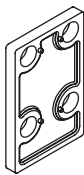
60524.



spacer plate for top  
fixture  
90x 140 x 20 mm; black

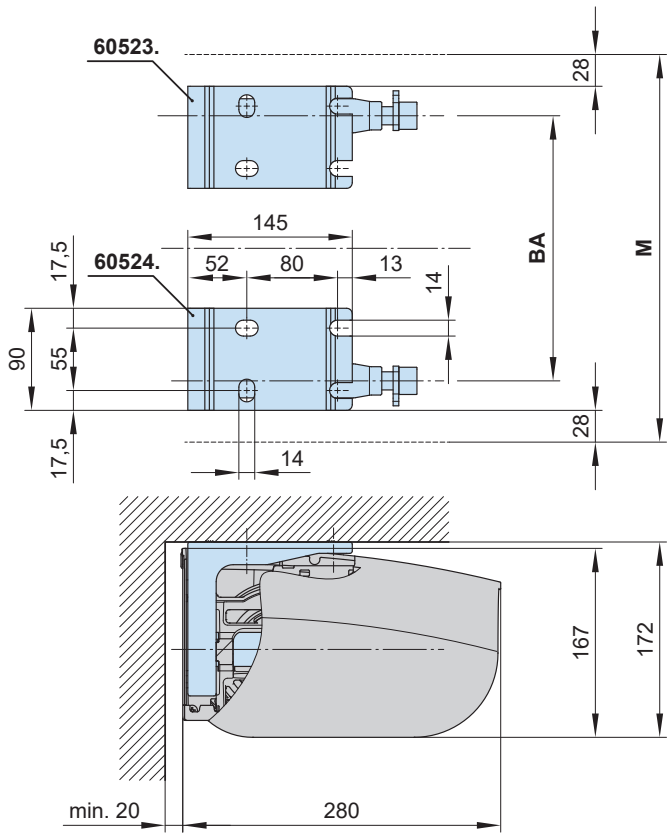
**N.B!**  
stack to a max. height of  
200 mm

716311



spacer plate for top  
fixture  
90x 140 x 12 mm; black

716411

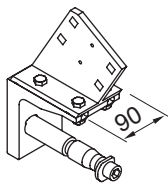


BA = width between fixture points  
M = order width = awning width

dimensions in mm

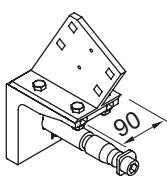
Eaves fixture

Fixtures, fittings and accessories



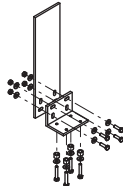
eaves fixture bracket  
150 mm plate  
left

60603.



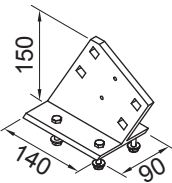
eaves fixture bracket  
150 mm plate  
right

60604.



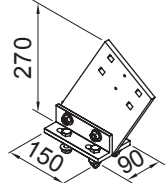
angle and plate for  
eaves fixture  
height of plate 500 mm  
machine finish

716620



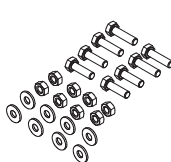
eaves fixture bracket  
90 mm  
150 mm plate

75889.



eaves fixture bracket  
90 mm  
height of flat plate  
270 mm

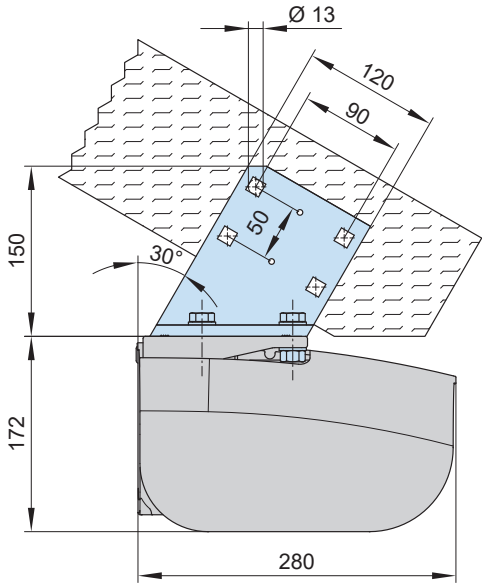
71659.



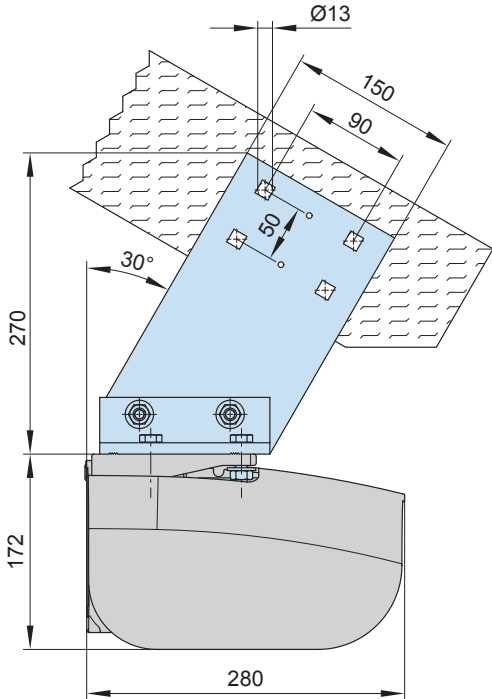
accessories  
for two eaves fixture  
brackets 71612.

799601

Eaves fixture bracket 150 mm (75889.)



Eaves fixture bracket 270 mm (71659.)

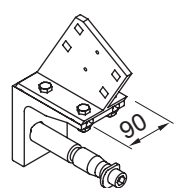


dimensions in mm



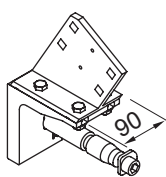
### Eaves fixture with additional plate

### Fixtures, fittings and accessories



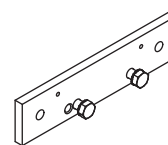
eaves fixture bracket  
150 mm plate  
left

60603.



eaves fixture bracket  
150 mm plate  
right

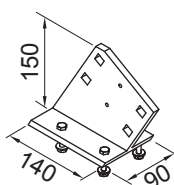
60604.



supplementary flat  
plate  
for eaves fixture

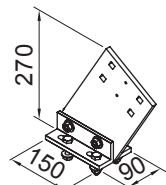
260 × 60 × 12 mm

75383.



eaves fixture bracket  
90 mm  
150 mm plate

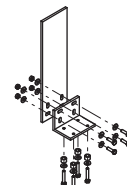
75889.



eaves fixture bracket  
90 mm

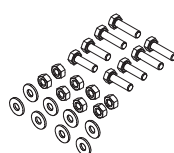
height of flat plate  
270 mm

71659.



angle and plate for  
eaves fixture  
height of plate 500 mm  
machine finish

716620

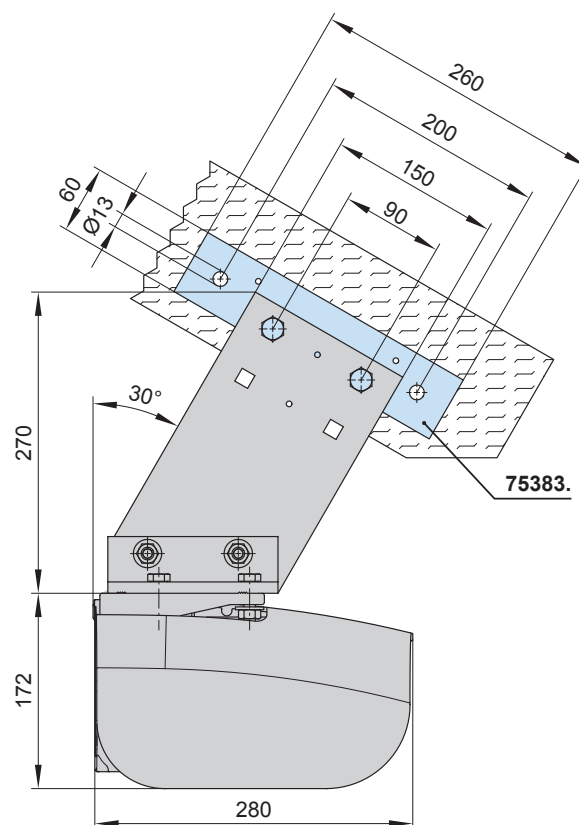
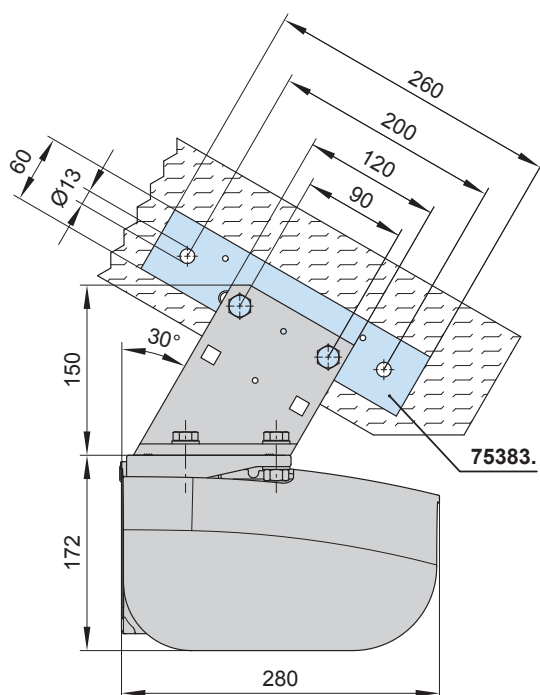


accessories  
for two eaves fixture  
brackets 71612.

799601

Eaves fixture bracket with backing plate for 75889.

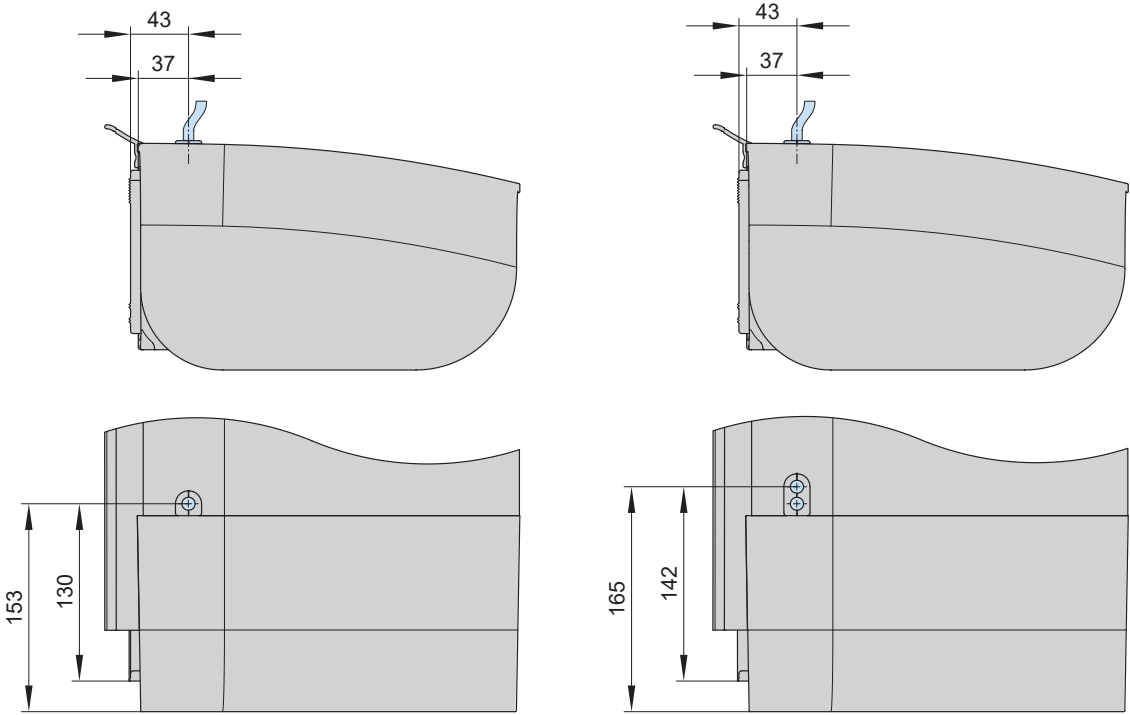
Eaves fixture bracket with backing plate for 71659.



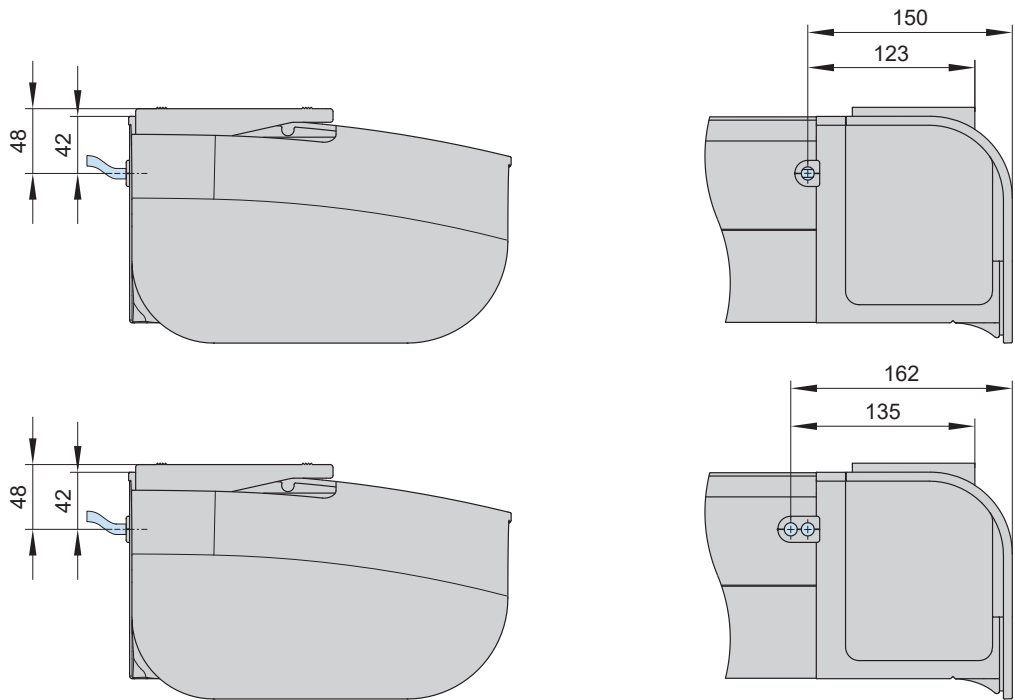
dimensions in mm

# Motor cable exit point <sup>1)</sup>

Face fixture



Top fixture



Specification	Number of wire cores	max.
Awning with integrated radio-controlled technology		2
awning motor	1	
lighting	1	
Awning without radio-controlled technology		2
awning motor	1	
lighting	1	

1) depending on the operation side, left or right

dimensions in mm