



Cassette awning

markilux 3300

The awning for purists – straight-lined simplicity for the domestic and commercial minimalist.

markilux by Aquarius Blinds

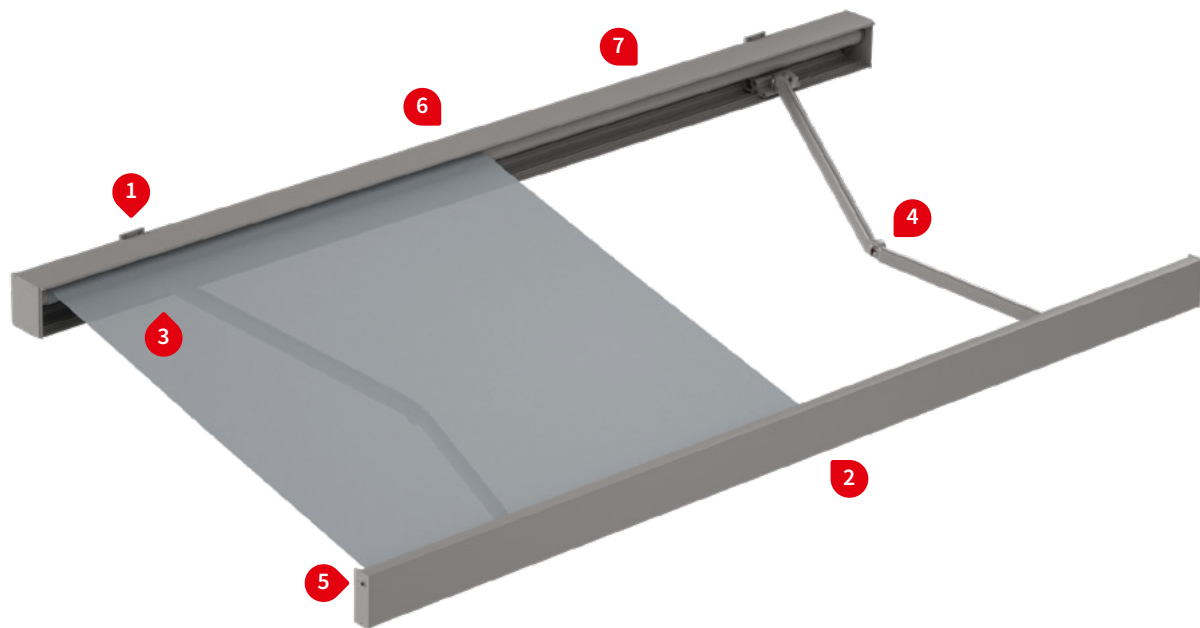
www.aqblinds.co.uk - 0800 953 0199

markilux
safe timeless beautiful

Product characteristics

Wind resistance class 2

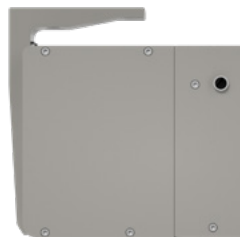
Beaufort 5 → 7.5–10.4 m/s → 28–37 km/h → 17–23 mph



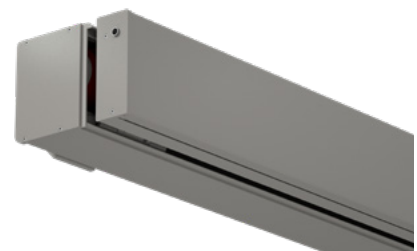
1 face fixture



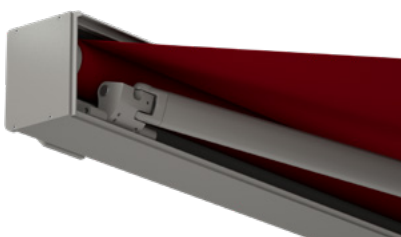
1 top fixture



2 awning retracting horizontally, irrespective of the awning pitch



3 arm bearer with tilt device technology, integrated windlock mechanism



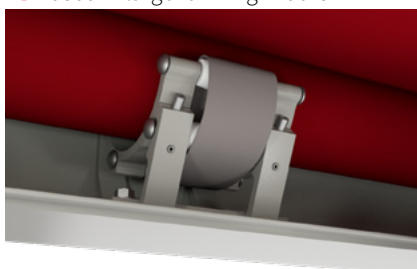
4 bionic tendon made of high-tech fibres for optimum power transference



5 hidden gutter in the front profile with water drainage holes to the side



6 rolltex bearing for the roller tube, used in larger awning widths



7 rubber wall sealing strip



Product characteristics

Description

- extremely robust, angular cassette, ideally suited for installation in niches and reveals, under overhangs and to business premises.

Special features

- the smooth appearance with flat front profile is perfectly suited to a minimalist building style
- the design characteristics allow the awning to be fitted into niches and reveals
- the tilt device technology with integrated windlock mechanism functioning as arm bearers ensures the awning closes cleanly
- option of a wall seal by means of an additional aluminium profile with rubber sealing strip
- option of a silentec motor – motor noise is appreciably reduced

Dimensions

- cassette in the standard version: depth 224 mm, height 190 mm
- single unit: minimum width 190 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, integrated into the cassette

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette made of a single extruded profile, with continuous keyways for infinitely variable bracket positions
- the front profile is shaped like a smooth panel, 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, hightech fibres – low in friction, noiseless, insensitive to corrosion and UV resistant, independently tested by the Fraunhofer Institute

Side caps

- the cassette side cheeks are made of extruded aluminium, powder coated
- the front profile end caps are made of extruded aluminium, powder coated, with water drainage holes

Fixture brackets

- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- available in intermediate widths made to order (on request)
- awning pitch adjustment range 5°–45°
- spacer plates, stand-off brackets and other accessories are available

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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 ¹⁾



stone grey metallic, 5215 ¹⁾



anthracite metallic, 5204 ¹⁾



Havana brown textured finish, 5229 ¹⁾



Non-standard powder-coated finish

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.

¹⁾ textured finish

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

Dimensions and configuration options

Single unit

		Overall awning width										Minimum width					
		250	300	350	400	450	500	550	600	650	700 ¹⁾	Motor			Crank handle		
Order dimensions		190 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700						
H	150	3)										203	190	—	203	190	
	200	3)	3)									253	240	—	253	240	
	250	—	3)	3)								303	290	—	303	290	
	300	—	—	3)	3)							353	340	—	353	340	
	350	—	—	—	3)	3)				1) 2)		403	390	650	403	390	
	400 ¹⁾	—	—	—	—	3)	3)			—		453	440	700	—	—	

dimensions in cm

- 1) = only available with motor drive (surcharge)
 2) = no intermediate sizes possible below width of 650 cm
 3) = observe the minimum widths!
 H = extension

-  = 2 folding arms, 2 brackets
 = 2 folding arms, 4 brackets
 = 2 folding arms, 5 brackets, 1 rolltex bearing
 = 3 folding arms, 4 brackets, 2 rolltex bearings
 = 3 folding arms, 6 brackets, 2 rolltex bearings

-  = 2 standard arms
 = 2 bespoke arms (surcharge)
 = 3 standard arms

Operation	standard	optional
crank handle	✓	—
spring-assisted crank handle	—	✓
hard-wired motor	—	✓
silentec motor (optionally with an external io / RTS receiver) ¹⁾	—	✓
radio-controlled motor io, 868 MHz	—	✓
radio-controlled motor RTS, 433 MHz	—	✓
radio-controlled motor RTS, 433 MHz with manual override ¹⁾	—	—

1) for awnings with a maximum of 2 arms

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 of 2 fields / 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 Perform 92	92-20..	—	—
glass fibre screen	272..	—	—
valance, height 20 cm		—	✓

Shadeplus / drop valance

not available

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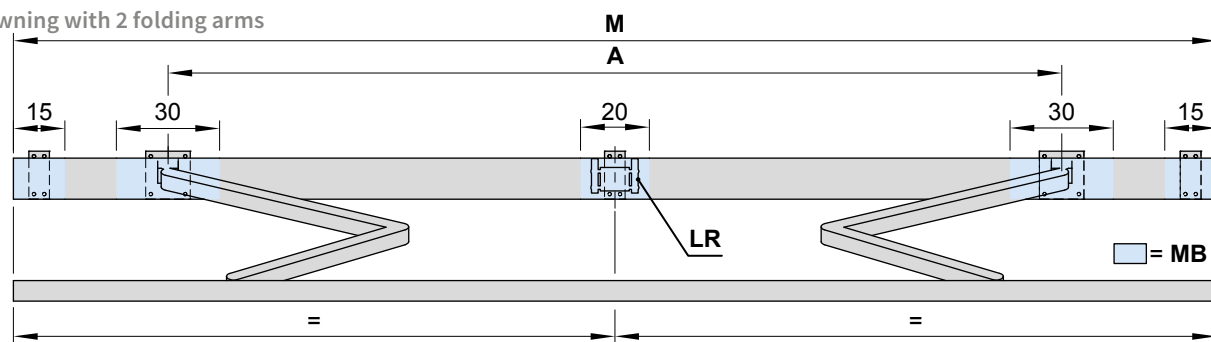
Optional accessories	
wall connection profile (in pieces) with rubber sealing strip	
valance	
infrared heater 2500 W	
infrared heater 2500 W with integrated radio-controlled receiver 868 MHz io	
LED spotline – light bar 110 × 70 mm with 5 W LED spotlights, width 180 cm / 3 spots or 300 cm / 5 spots	
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	
automatic controls (light, wind, rain)	

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

Fixture brackets	
face fixture bracket 100 mm	71994.
face fixture bracket 60 mm	71995.
face fixture bracket 200 mm	71996.
face fixture bracket profile, undrilled, by the metre (max. 2m)	71997.
spreader plate A 430 × 160 × 12 mm	75328.
spreader plate B 300 × 400 × 12 mm	75327.
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	71651.
top fixture bracket 200 mm	71652.
top fixture bracket profile, undrilled, by the metre (max. 2 m)	701635
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.

Bracket fixture range

Awning with 2 folding arms



dimensions in cm

		Overall awning width								
		250	300	350	400	450	500	550	600	650
		190 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650
Order dimensions		Arm position A								
H	150	168 ¹⁾	230	260	300	340	380	410	450	490
	200	205 ²⁾	218 ¹⁾	260	300	340	380	410	450	490
	250	—	255 ²⁾	268 ¹⁾	300	340	380	410	450	490
	300	—	—	305 ²⁾	318 ¹⁾	340	380	410	450	490
	350	—	—	—	355 ²⁾	368 ¹⁾	380	440	450	—
	400	—	—	—	—	405 ²⁾	418 ¹⁾	440	450	—
BHT		No. of brackets No. of fixing points								
W	6	—			—	2 4		3 6		
	10	2 6			—	2 6		2 6		
	20	—			2 8	—		—		
BP		A 2 16 B 2 8			A 2 16 B 2 8		A 2 16 B 2 8		A 2 16 B 2 8	
DP		—			—		2		3	
PA		2 8			2 8		4 16		5 20	
DE	9	2 8			—		4 16		5 20	
	20	—			2 12		—		—	
DA	9	2 8			2 8		4 16		5 20	

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form! If awnings are installed directly next to each other, a minimum distance of 50 mm must be maintained. dimensions in cm

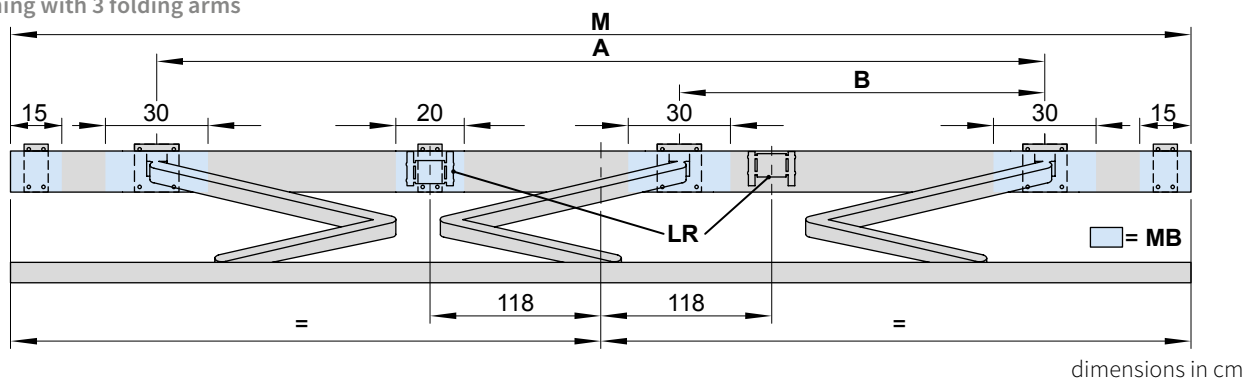
The **pull-out forces** necessary for determining the correct fixing materials necessary to meet wind resistance class 2 (Beaufort 5) can be found in the password-protected dealer area of the markilux.com website under "Pull-out Forces".

- 1) = coupled 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. Coupled units are not available with junction roller
- 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, to be positioned behind the rolltex bearing, in the case of spreader plate A or B
H = *order dimension* = extension
LR = rolltex bearing
M = *order dimension* = awning width
MB = bracket fixture range
PA = markilux panel, fixture profile, width 250 mm
W = face fixture bracket

Bracket fixture range

Awning with 3 folding arms



dimensions in cm

Overall awning width

650

700

Order dimensions

—

651
700

651
689

700

Arm position

		A		B		A		B		A		B	
		A	B	A	B	A	B	A	B	A	B	A	B
H	150	—	—	540	250	—	—	—	—	—	—	—	—
	200	—	—	540	250	—	—	—	—	—	—	—	—
	250	—	—	550	235	—	—	—	—	—	—	—	—
	300	—	—	580	235	—	—	—	—	—	—	—	—
	350	615 ¹⁾	230 ¹⁾	—	—	615 ¹⁾	230 ¹⁾	640 ¹⁾	230 ¹⁾	—	—	—	—
	400	—	—	—	—	—	—	—	—	665 ¹⁾	235 ¹⁾	—	—

BHT

No. of brackets | No. of fixing points

W	6	1 2	3 6
	10	—	3 9
	20	3 12	—
BP		A 3 24 ²⁾ B 3 12 ²⁾	A 3 24 B 3 12
DP		1	3
PA		4 16	6 24
DE	9	1 4	6 24
	20	3 18	—
DA	9	4 16	6 24

If the brackets cannot be positioned in accordance with this table, make sure the actual measurements are noted on the order form! If awnings are installed directly next to each other, a minimum distance of 50 mm must be maintained. 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) = face fixture with spreader plate A or B including 3 face fixture brackets 100 mm 71994. and 1 face fixture bracket 60 mm 71995.

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, to be positioned behind the rolltex bearing, in the case of spreader plate A or B

H = **order dimension** = extension

LR = rolltex bearing

M = **order dimension** = awning width

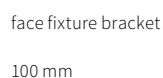
MB = bracket fixture range

PA = markilux panel, fixture profile, width 250 mm

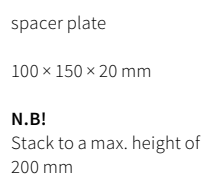
W = face fixture bracket

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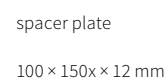
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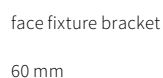
71994.



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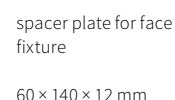
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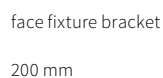
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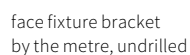
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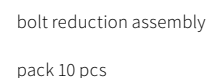
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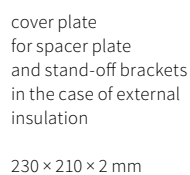
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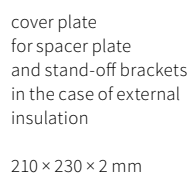
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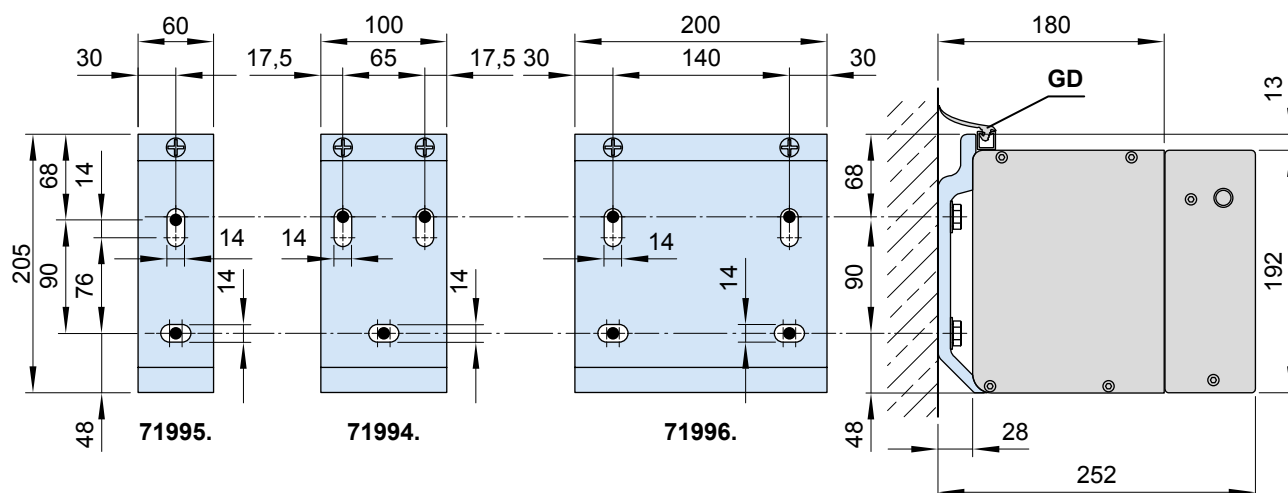
$M_{16} \rightarrow M_{12}$	$M_{16} \rightarrow M_{10}$	$M_{12} \rightarrow M_{10}$	$M_{10} \rightarrow M_{10}$
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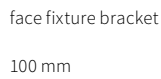
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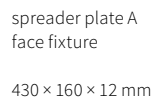
dimensions in mm

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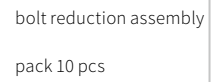
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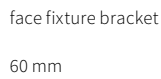
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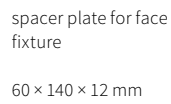
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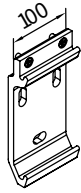
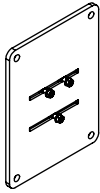
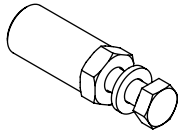
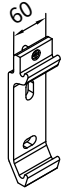
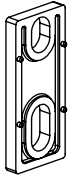
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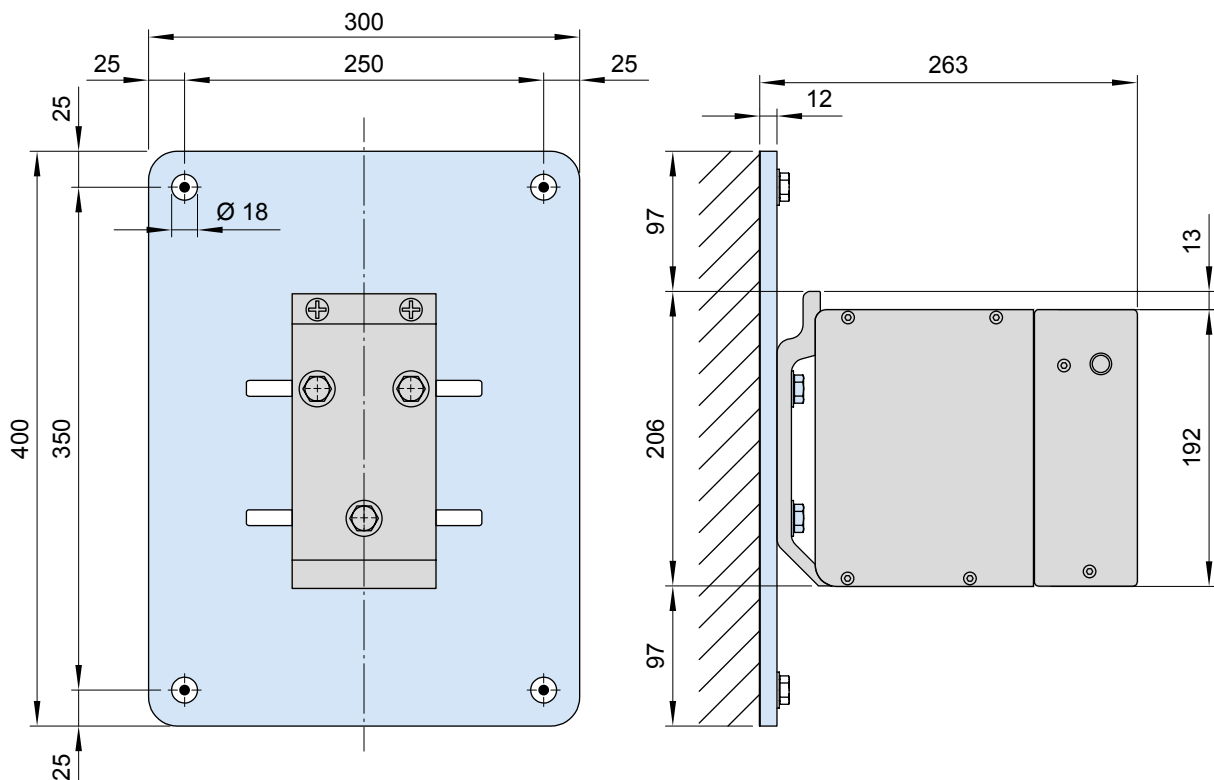


dimensions in mm

Face fixture with spreader plate B

Fixtures, fittings and accessories

 face fixture bracket 100 mm 71994.	 spreader plate B face fixture 300 × 400 × 12 mm 75323.	 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 71995.	 spacer plate for face fixture 60 × 140 × 12 mm 71642.	



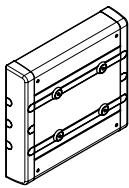
In the case of face fixture using spreader plate A, the rubber sealing strip can only be used in combination with the spacing profile (751971).

dimensions in mm

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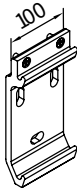
Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories



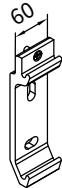
markilux panel 250 mm
Befestigungsschiene
mit Abdeckungen und
Seitenkappen
250 × 230 × 49 mm

76308.



face fixture bracket
100 mm

71994.

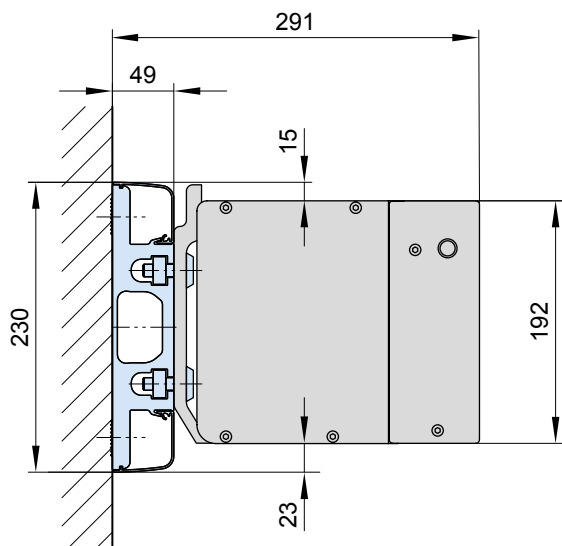
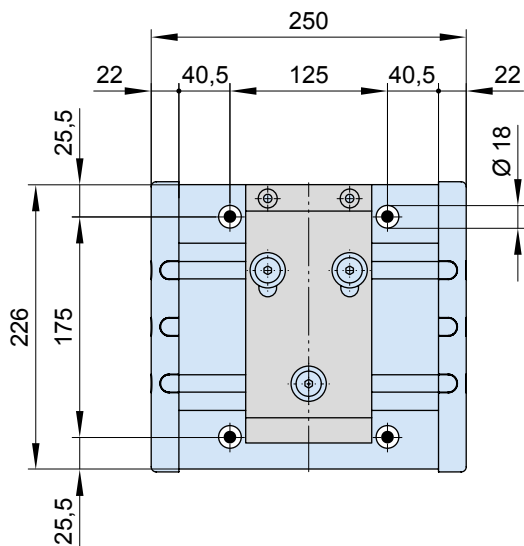


face fixture bracket
60 mm

71995.

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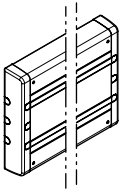
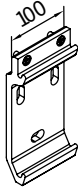
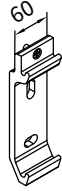
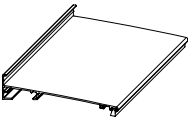
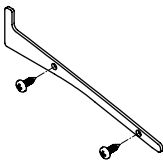
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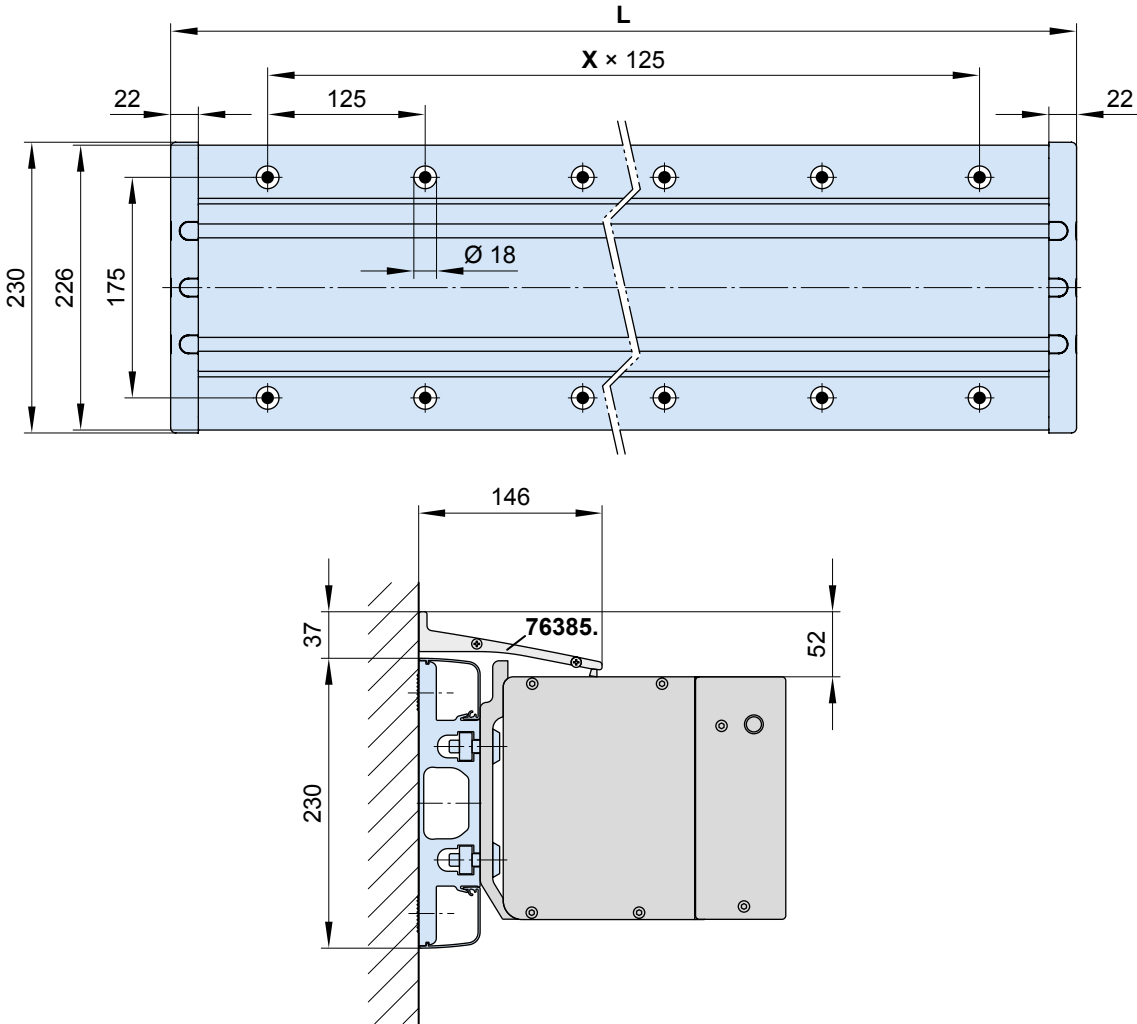
dimensions in mm

Face fixture with markilux panel continuous

Fixtures, fittings and accessories

 markilux panel fixture profile, wide with cover profiles and end caps continuous 76380.	 face fixture bracket 100 mm 71994.	 face fixture bracket 60 mm 71995.
 Wall sealing profile incl. brush seal when installing with a coverboard available by the metre 76385. and 704241	 1 side plate including 2 pan-head self-tapping screws for wall sealing profile 76386. and 2 × 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.



76385. = wall sealing profile (standard width = awning width (M))

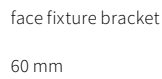
L = individual width, max. 7000 mm

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

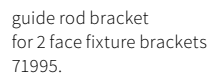
dimensions in mm

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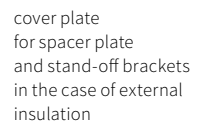
07



71995.

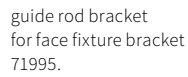


77968.

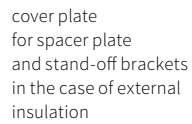


230 × 210 × 2 mm

71843.

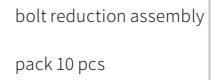


77967.

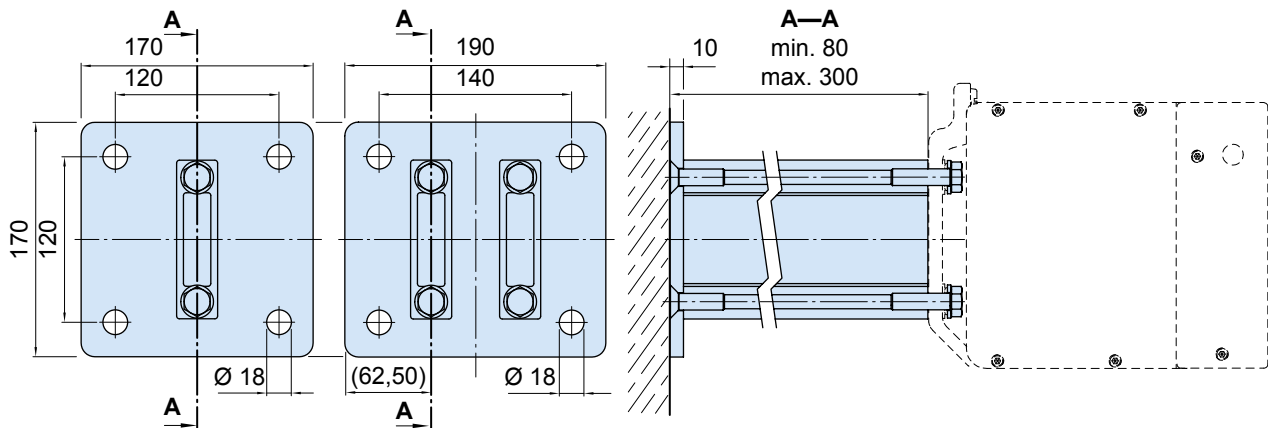


210 × 230 × 2 mm

71844.



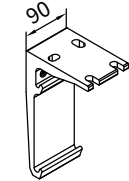
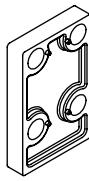
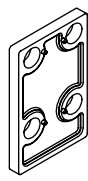
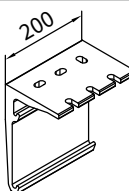
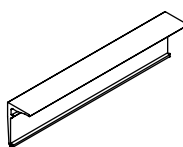
M 16 → M 12	M 16 → M 10	M 12 → M 10	M 10 → M 10
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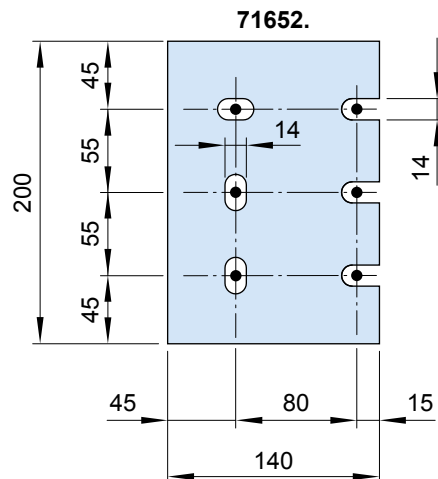
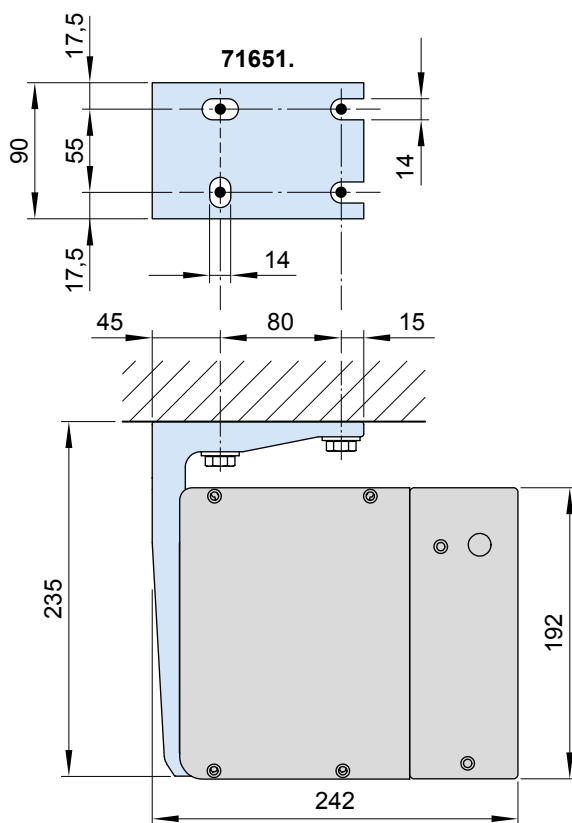


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Top fixture

Fixtures, fittings and accessories

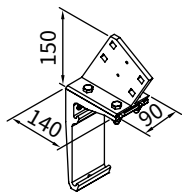
 top fixture bracket 90 mm 71651.	 spacer plate for top fixture 90 × 140 × 20 mm N.B! stack to a max. height of 200 mm 716311	 spacer plate for top fixture 90 × 140 × 12 mm 716411
 top fixture bracket 200 mm 71652.	 top fixture bracket profile by the metre, undrilled 701635	



dimensions in mm

Eaves fixture

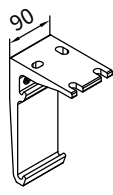
Fixtures, fittings and accessories



eaves fixture bracket

90 mm

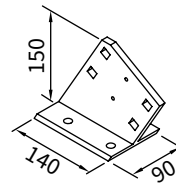
71898.



top fixture bracket

90 mm

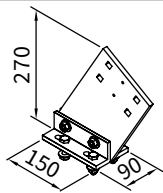
71651.



eaves fixture bracket

150 mm plate

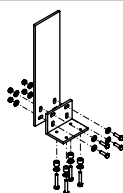
71612.



eaves fixture bracket

270 mm

71659.

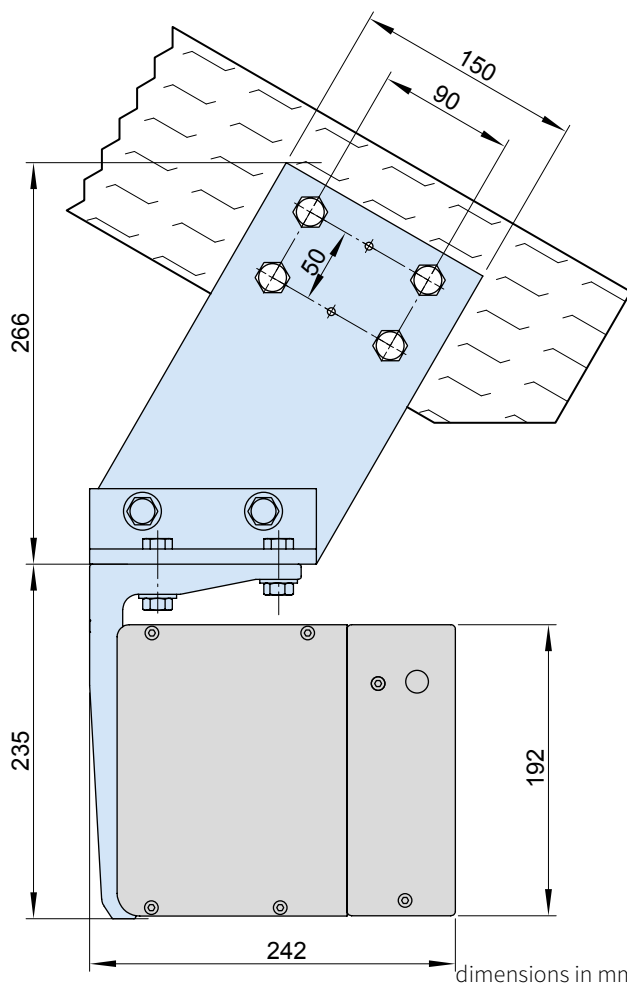
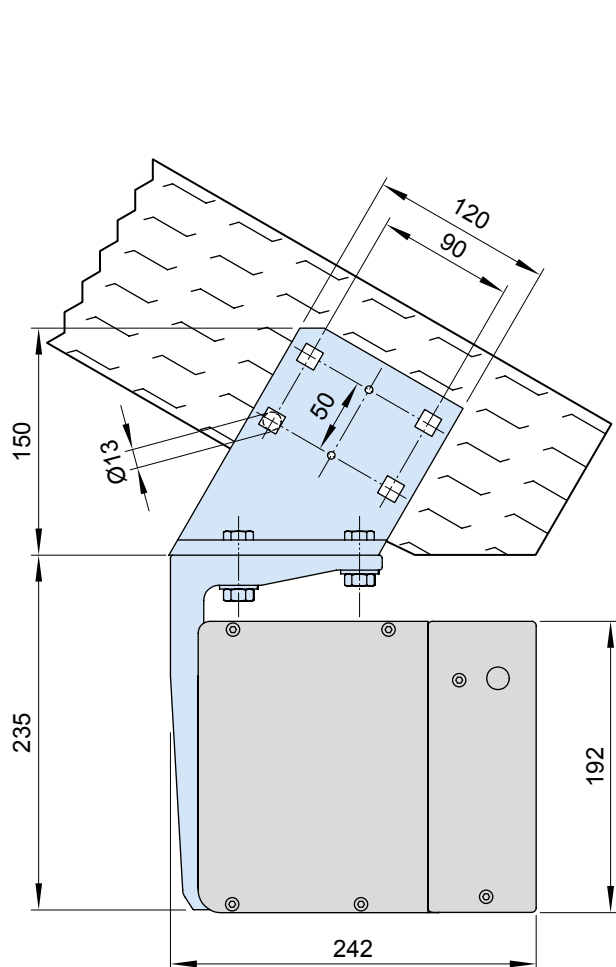


flat plate and angled
bracket for
eaves fixture
machine finish

716620

With eaves fixture bracket 150 mm (71612.)

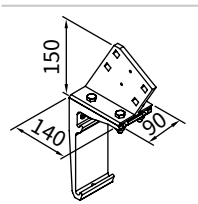
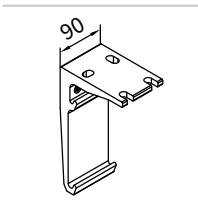
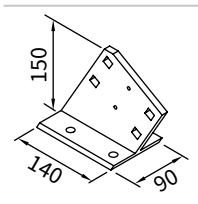
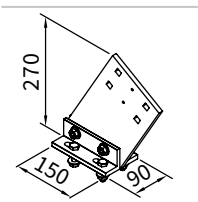
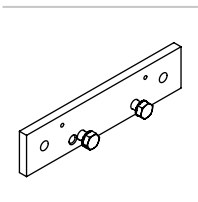
With eaves fixture bracket 270 mm (71659.)



dimensions in mm

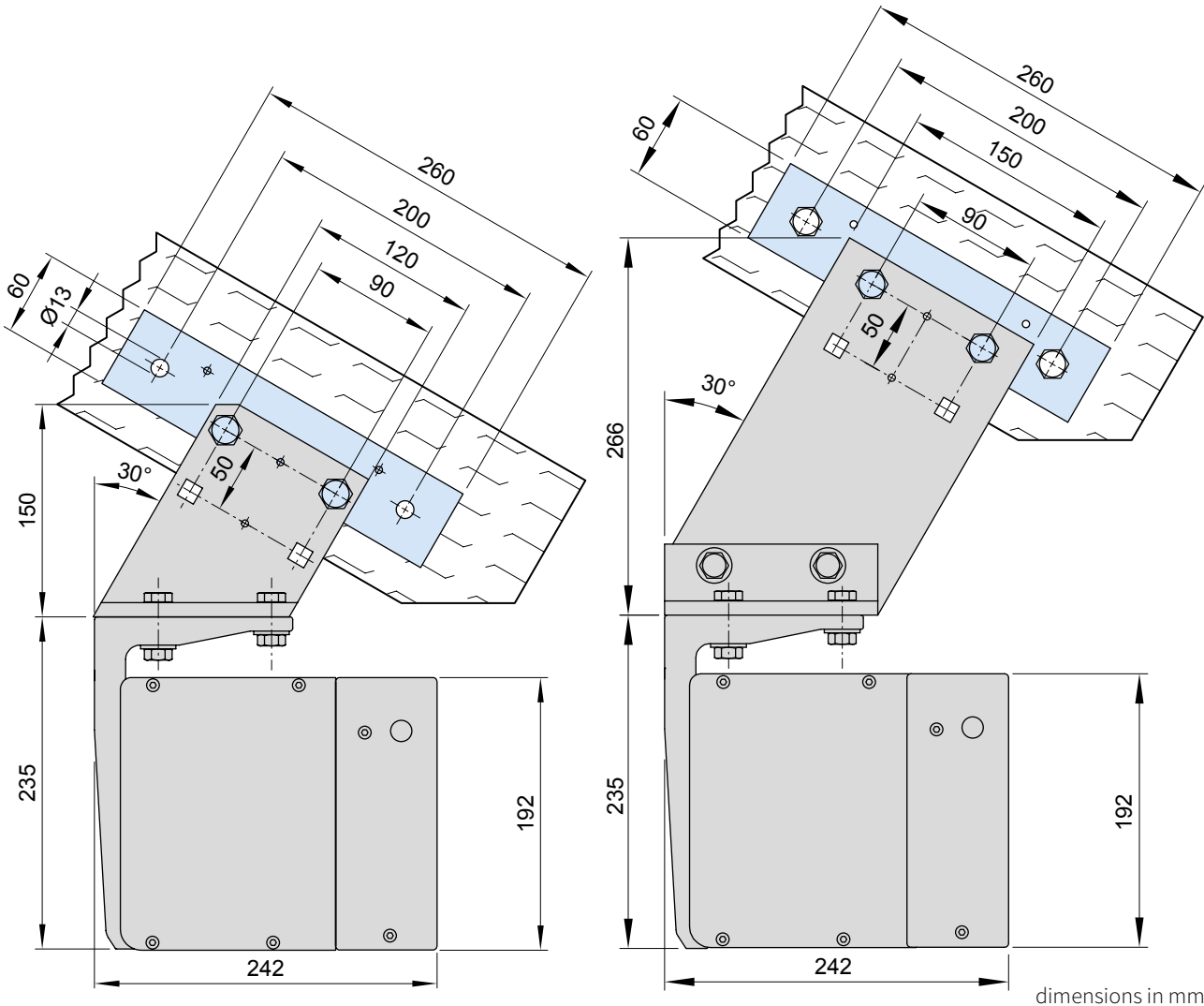
Eaves fixture with additional plate

Fixtures, fittings and accessories

 eaves fixture bracket 90 mm 71898.	 top fixture bracket 90 mm 71651.	 eaves fixture bracket 150 mm plate 71612.
 eaves fixture bracket 270 mm 71659.	 supplementary flat plate eaves fixture 260 × 60 × 12 mm 75383.	

With eaves fixture bracket 150 mm (71612.)

With eaves fixture bracket 270 mm (71659.)



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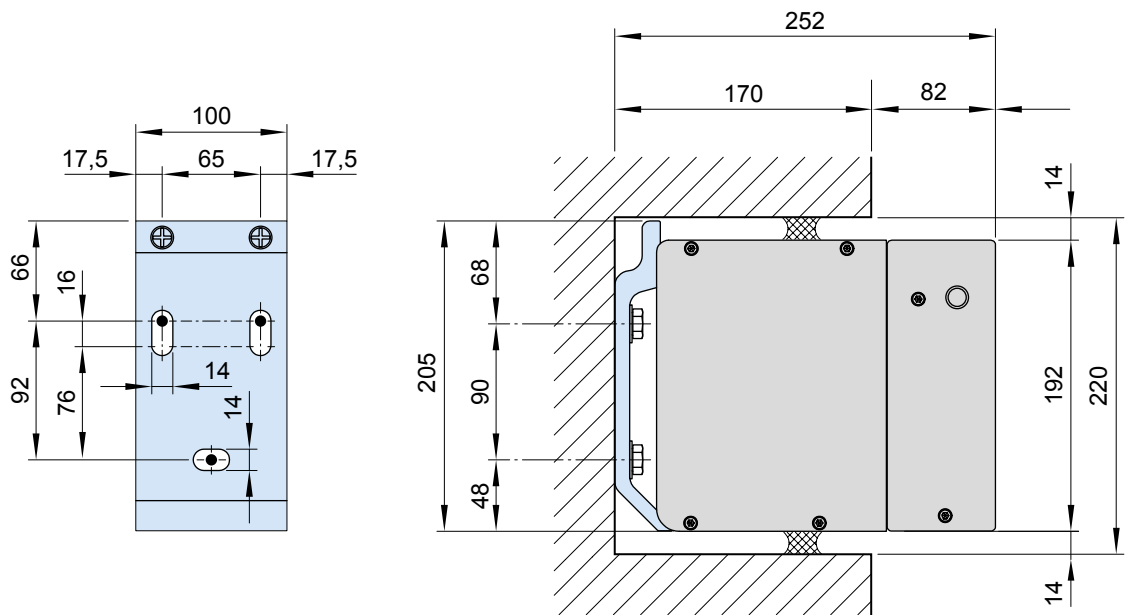
17



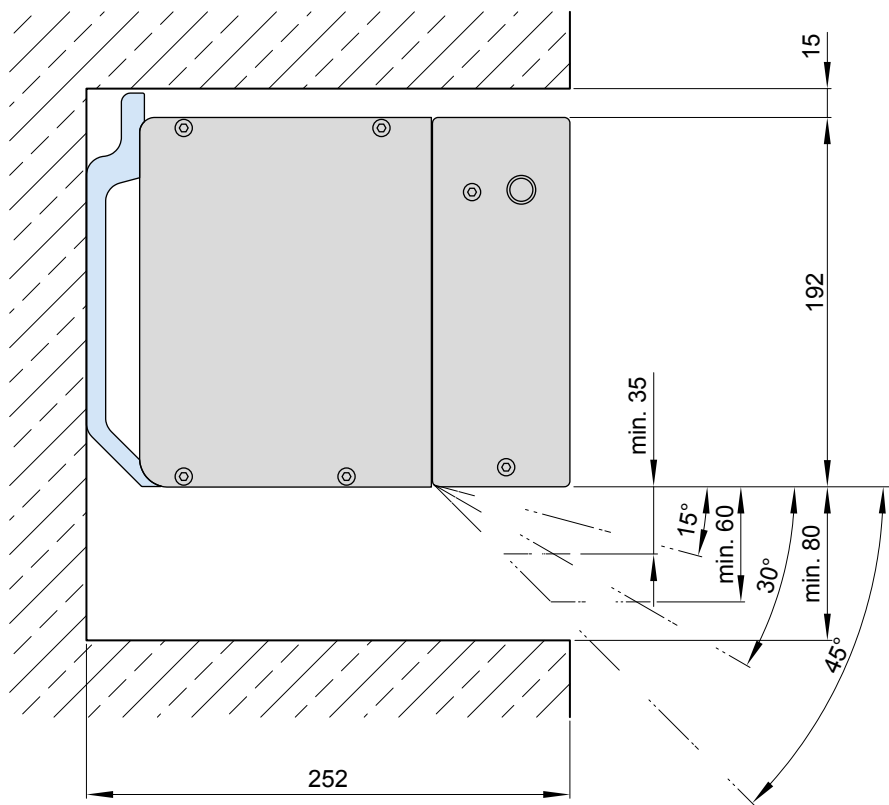
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Reveal fixture

Front profile slightly open

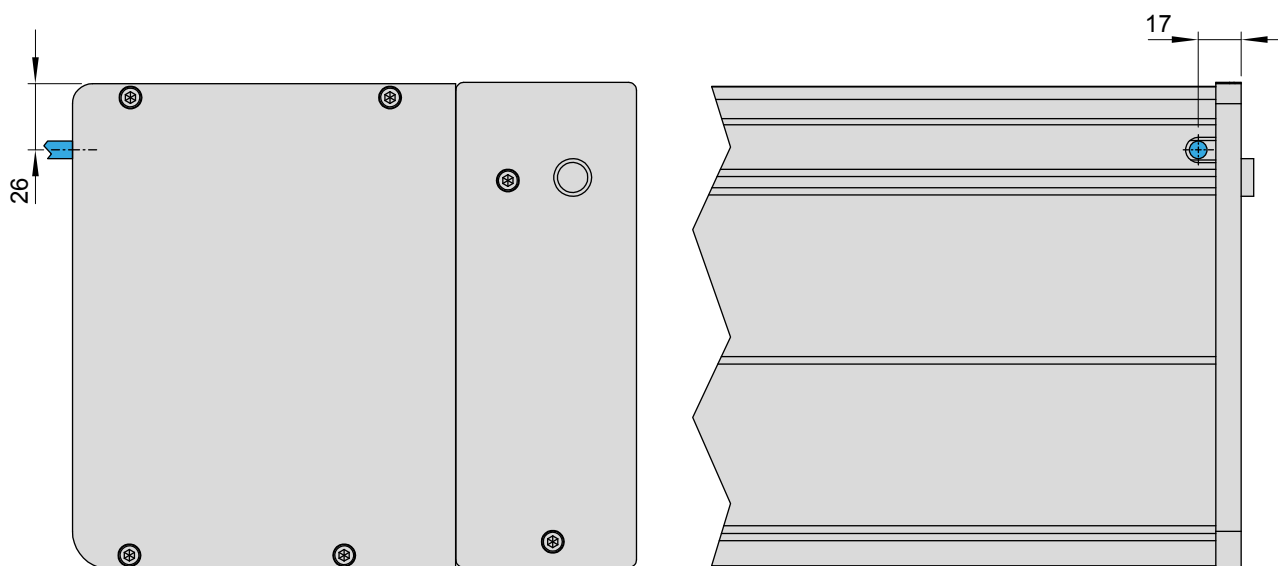


Front profile flush



dimensions in mm

Motor cable exit point



dimensions in mm