



Cassette awning

markilux 1710

The classic torque bar awning with a designer look.

The droplet-shaped cover cassette lends it a harmonious appearance.

markilux by Aquarius Blinds



red dot design award
winner 2012



German
Design Award
NOMINEE 2014

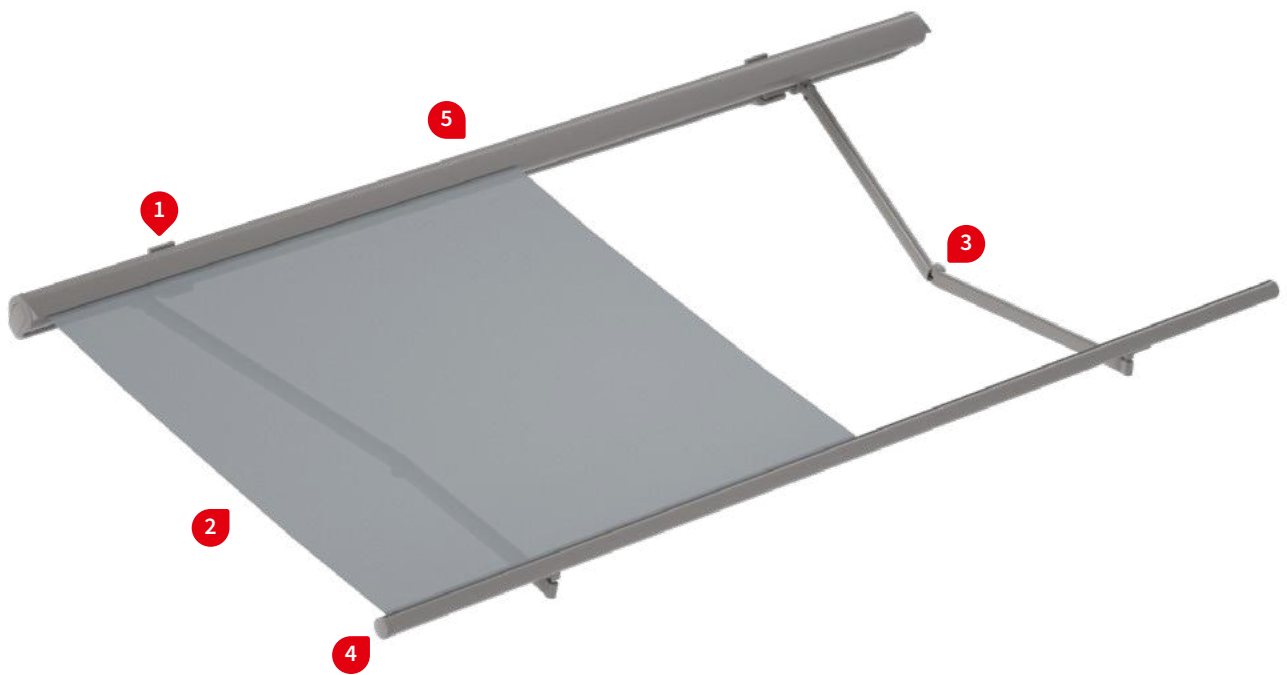
www.aqblinds.co.uk - 0800 953 0199

markilux
safe timeless beautiful

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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 25°



1 top fixture



1 crank handle



2 during extension



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



4 special water drainage method and cover pocket hidden in the front profile



5 wall sealing profile ¹⁾ up to a pitch of 25°

1) optional configuration

Product characteristics

Description

- extremely robust construction, ideally suited for shading large areas.

Special features

- awning with an extremely torsion-resistant, round torque bar which gives a certain degree of flexibility when choosing the fixture points
- round, fluid transition from the round torque bar to the round cassette
- cover cassette with arms in front, covered and protected by the valance when closed – even when fully extended, the roller tube is completely protected

Dimensions

- cassette in the standard version: depth 236 mm, height 217 mm
- single unit: minimum width 167 cm at the smallest projection of 150 cm, maximum width 700 cm at the largest projection of 350 cm
- also available as a coupled unit

Roller tube and lateral arm bearers

- 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 die-cast aluminium, powder coated, with integrated hidden cable canal when motor driven

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette in two parts
- circular front profile with integrated gutter
- round steel torque bar Ø 50 mm, galvanised both inside and out, powder coated

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 roller support bracket insert sections are made of high-quality plastic, powder coated or in a polished chrome finish
- the front profile end caps are made of high-quality plastic, powder coated or in polished chrome, with drainage holes

Fixture brackets

- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- pitch range 5°–25°, infinitely adjustable
- 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⁾



off-white textured finish, 5233 ¹⁾
insert and front profile end cap
in polished chrome

stone grey metallic, 5215 ¹⁾
insert and front profile end cap
in polished chrome

anthracite metallic, 5204 ¹⁾
insert and front profile end cap
in polished chrome



Combination options – possible in any frame colour.

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 blind width										Minimum width				
		250	300	350	400	450	500	550	600	650	700 ¹⁾	Motor			Crank handle	
Order dimensions		167 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700					
H	150	2)						3)	3)			180	167	—	182	169
	200	2)						3)	3)			230	217	—	232	219
	250	—	2)					3)				280	267	—	282	269
	300	—	—	2)								330	317	—	332	319
	350	—	—	—	2)					1)		380	367	618	382	369


dimensions in cm

1) = only available with motor drive (surcharge)

2) = observe the minimum widths!


3) = + 1 cassette support bracket


H = extension


 = 2 folding arms, 2 brackets

 = 2 folding arms, 3 brackets
1 cassette support bracket

 = 3 folding arms, 4 brackets,
2 cassette supports

 = 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
maximum extension 350 cm
junction roller (one-piece cover not available)

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

awning cover

awning cover	fabric range no.	standard	optional
sunvas	301.. / 309..–315..	✓	—
perla	370 ..	—	✓
sunsilk	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 sealing profile (effective up to a maximum awning pitch of 25°); coverboard when fitted to the markilux panel, in one piece
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)

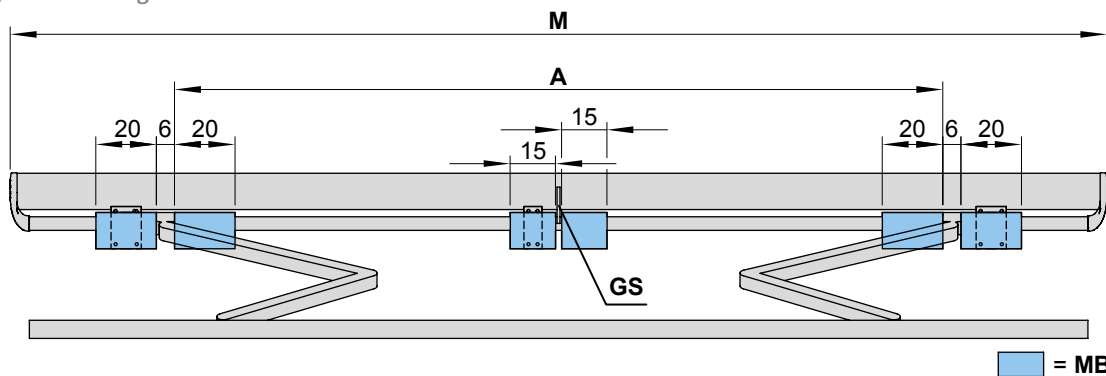
N.B! Important background information can be found in the chapter “Optional Accessories”.

Fixture options

wall bracket 100 mm	70867.
wall bracket 45 mm	71813.
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	70868.
top fixture bracket 45 mm	71818.
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 aluminium, 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 blind width								
		250	300	350	400	450	500	550	600	650
Order dimensions		180	251	301	351	401	451	501	551	601
		250	300	350	400	450	500	550	600	650
		Arm position A								
H	150	154 ¹⁾	210	240	280	320	390	425	460	500
	200	204 ²⁾	210 ¹⁾	240	280	320	390	425	460	500
	250	—	254 ²⁾	260 ¹⁾	280	320	390	425	460	500
	300	—	—	304 ²⁾	310 ¹⁾	320	390	425	460	500
	350	—	—	—	354 ²⁾	360 ¹⁾	390	425	460	—
BHT		No. of brackets No. of fixing points								
W	4.5	—						1 2		
	10	2 6						2 6		
BP		A 2 16 B 2 8						A 2 16 B 2 8		
DP		—						1		
PA		2 8						3 12		
DE	4.5	—						1 2		
	9	2 8						2 8		
DA	9	2 8						3 12		

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!

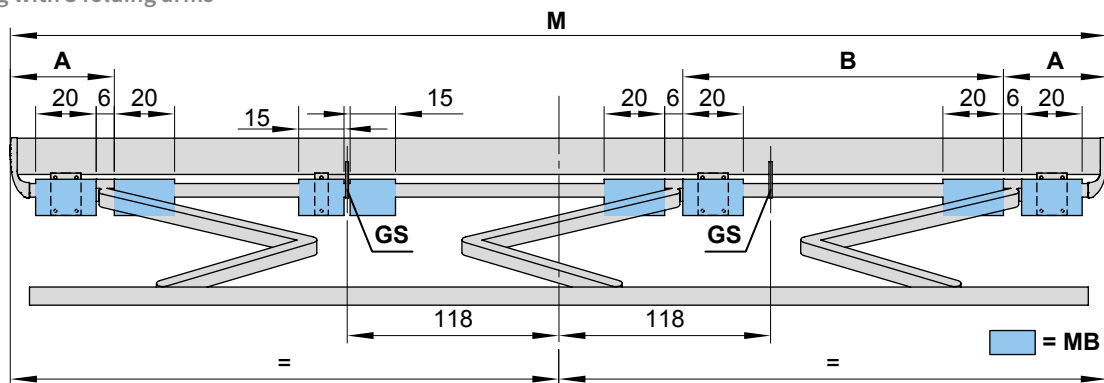
- 1) = coupled awning in intermediate widths available on request with junction roller
- 2) = please note the minimum widths! Dimension A is only valid for standard arms! Dimension A is 13 cm smaller in the case of bespoke arms. In the case of small awnings the brackets can only be fitted inside the 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 71826., to be positioned near to the cassette support in the case of spreader plate A or B
- GS** = cassette support bracket
- H** = *order dimension* = extension
- M** = *order dimension* = awning width
- MB** = bracket fixture range
- PA** = markilux panel, fixture profile, width 250 mm
- W** = face fixture brackets

Bracket fixture range

Awning with 3 folding arms



dimensions in cm

		Overall blind width							
		650				700			
Order dimensions		618	650	651	674	675	689	690	700
		Arm position							
		A	B	A	B	A	B	A	B
H	150	—	—	55	235	55	245	55	245
	200	—	—	55	225	55	235	55	235
	250	—	—	55	215	55	225	55	225
	300	—	—	45	210	55	215	55	215
	350	13 ¹⁾	215 ¹⁾	23 ¹⁾	215 ¹⁾	31 ¹⁾	225 ¹⁾	38	225
		No. of brackets No. of fixing points							
W	BHT 4,5	1 2							
	10	3 9							
BP		A 3 24 B 3 12							
DP		1							
PA		4 16							
DE	4,5	1 2							
	9	3 12							
DA	9	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!

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

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 71826., to be positioned behind the left rolltex bearing, in the case of spreader plate A or B

GS = cassette support bracket

H = *order dimension* = extension

M = *order dimension* = awning width

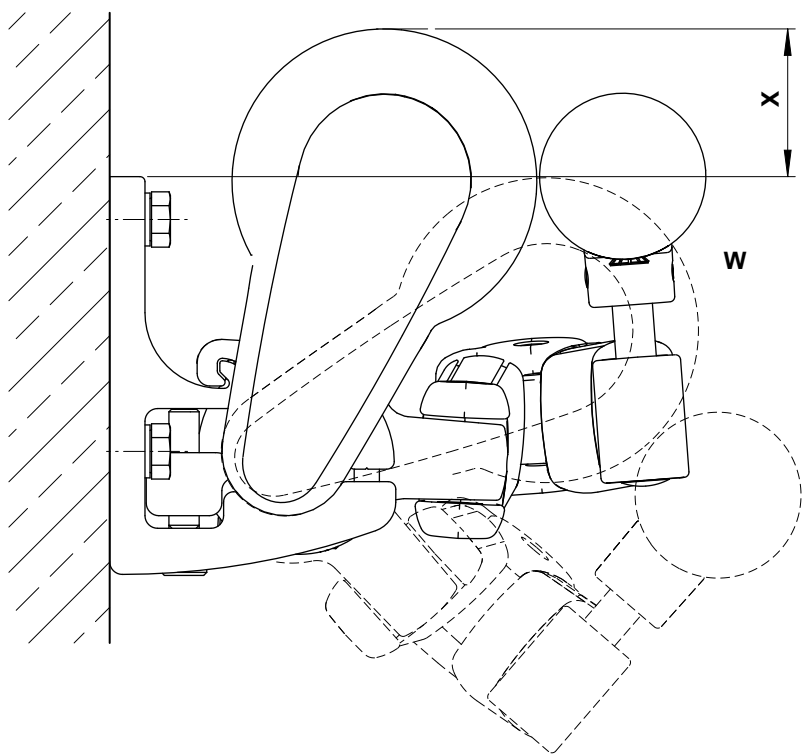
MB = bracket fixture range

PA = markilux panel, fixture profile, width 250 mm

W = face fixture brackets

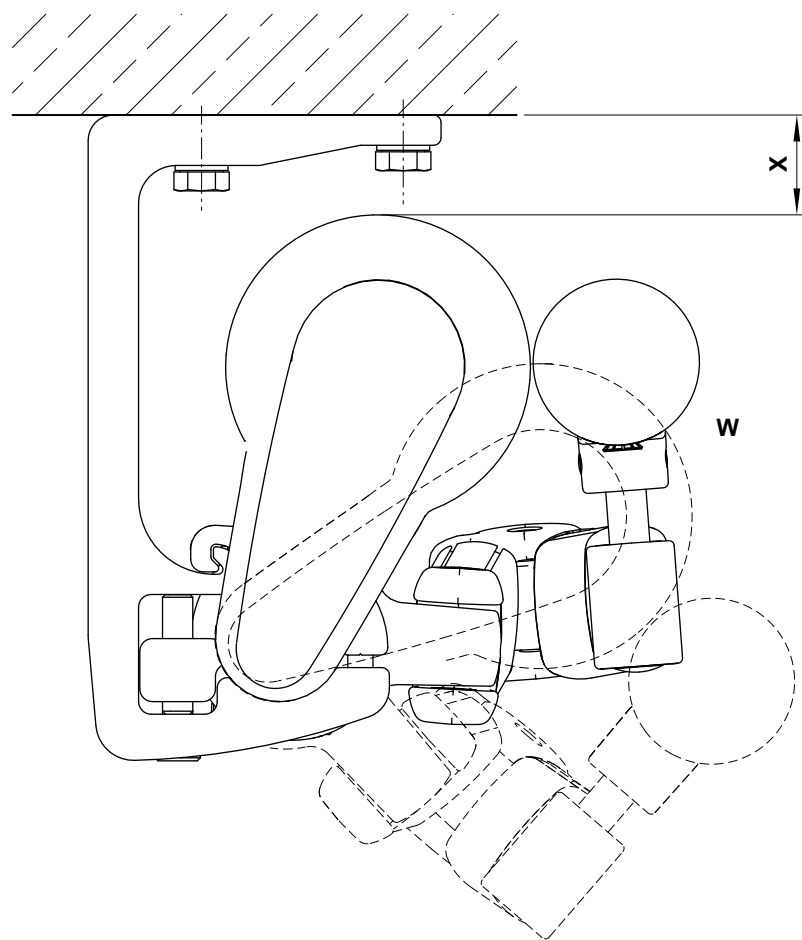
Overall unit height at different pitch settings

Face fixture



pitch (W)	approx. height in mm (X)
5°	59
10°	55
15°	50
20°	45
25°	39

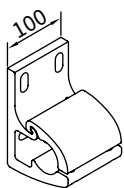
Top fixture



pitch (W)	approx. height in mm (X)
5°	40
10°	44
15°	48
20°	54
25°	60

Face fixture

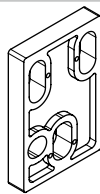
Fixtures, fittings and accessories



face fixture brackets

100 mm

70867.

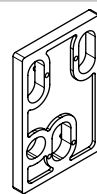


spacer plate

100 × 150 × 20 mm

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

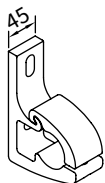
758831



spacer plate

100 × 150 × 12 mm

758841



face fixture brackets

for central fixture,
depending on size

45 mm

71813.



spacer plate for face
fixture

45 × 150 × 20 mm

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

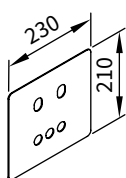
718251



spacer plate for face
fixture

45 × 150 × 12 mm

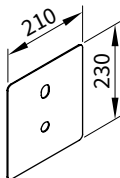
71826.



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

230 × 210 × 2 mm

71843.



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

210 × 230 × 2 mm

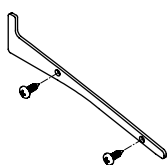
71844.



Wall sealing profile
incl. brush seal
when installing with a
coverboard

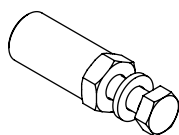
available by the metre

76385. and 704241



1 side plate including
2 pan-head self-tapping
screws for wall sealing
profile

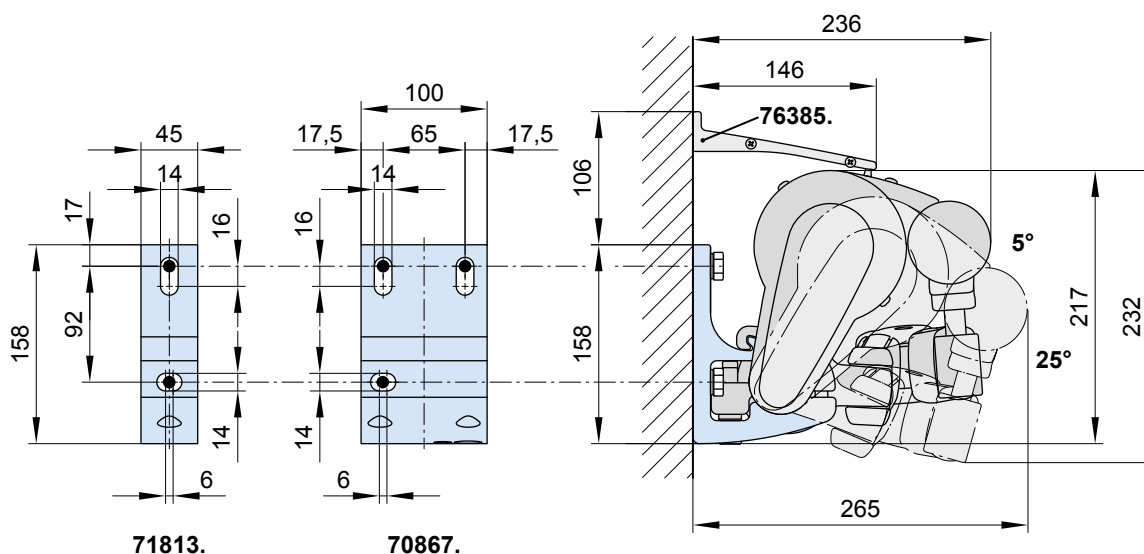
76386. and 2 × 735611



bolt reduction assembly

pack 10 pcs

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

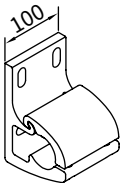
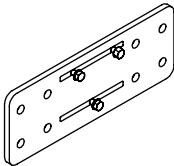
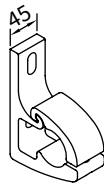

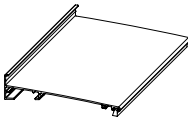
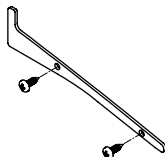
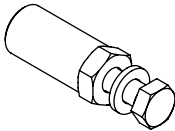


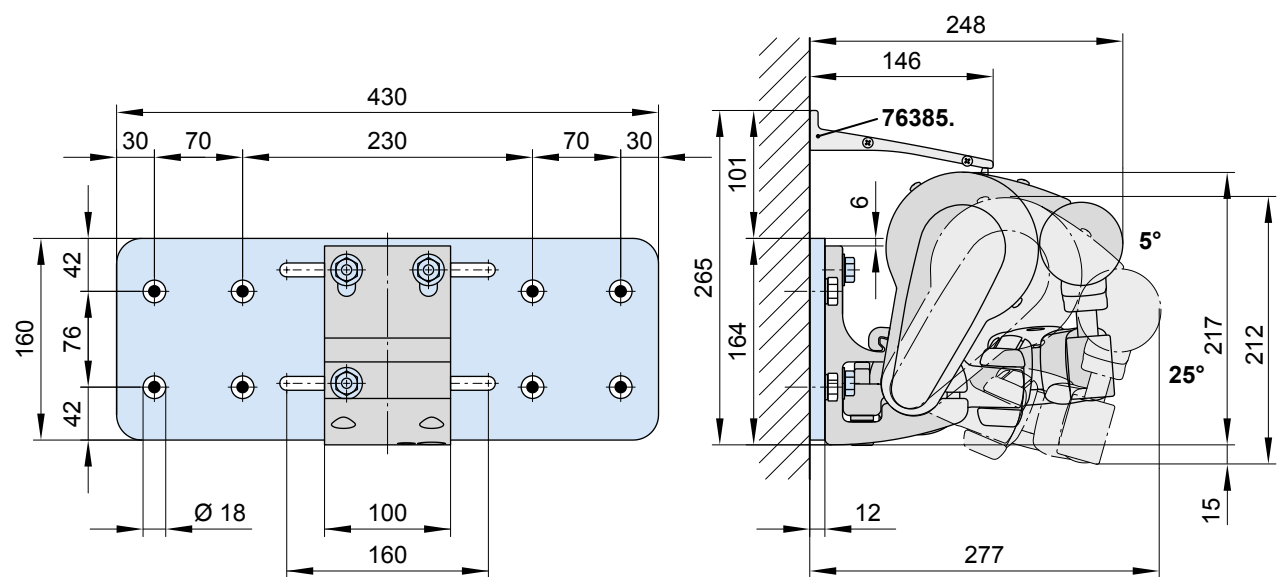
76385. = wall sealing profile (standard width = awning width (M); up to a maximum awning pitch of 25°)

dimensions in mm

Face fixture with spreader plate A

Fixtures, fittings and accessories

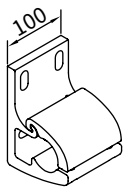
 <p>face fixture brackets 100 mm</p> <p>70867.</p>	 <p>spreader plate A face fixture 160 × 430 × 12 mm</p> <p>75326.</p>	 <p>face fixture brackets for central fixture, depending on size 45 mm</p> <p>71813.</p>
 <p>spacer plate for face fixture 45 × 150 × 12 mm</p> <p>71826.</p>	 <p>Wall sealing profile incl. brush seal when installing with a coverboard available by the metre</p> <p>76385. and 704241</p>	 <p>1 side plate including 2 pan-head self-tapping screws for wall sealing profile</p> <p>76386. and 2 × 735611</p>
 <p>bolt reduction assembly pack 10 pcs</p> <p>M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10</p>		



76385. = wall sealing profile (standard width = awning width (M); up to a maximum awning pitch of 25°) dimensions in mm

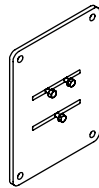
Face fixture with spreader plate B

Fixtures, fittings and accessories



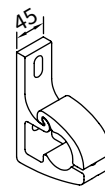
face fixture brackets
100 mm

70867.



spreader plate B
face fixture
300 × 400 × 12 mm

75325.



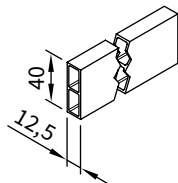
face fixture brackets
for central fixture,
depending on size
45 mm

71813.



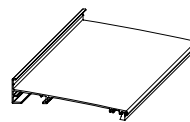
spacer plate for face
fixture
45 × 150 × 20 mm

71826.



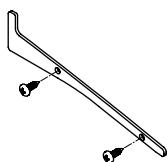
stand-off strip for
wall sealing profile
available by the metre

751971



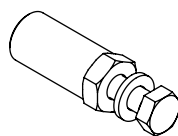
Wall sealing profile
incl. brush seal
when installing with a
coverboard
available by the metre

76385. and 704241



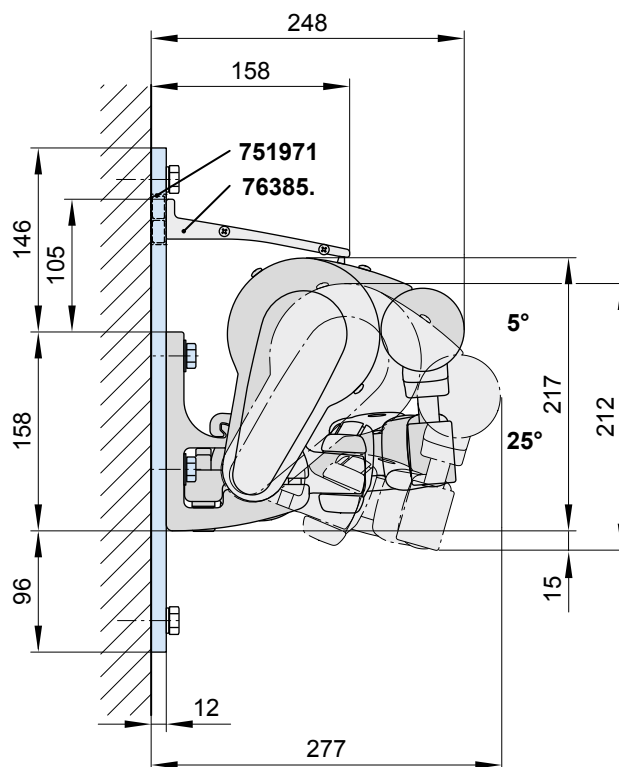
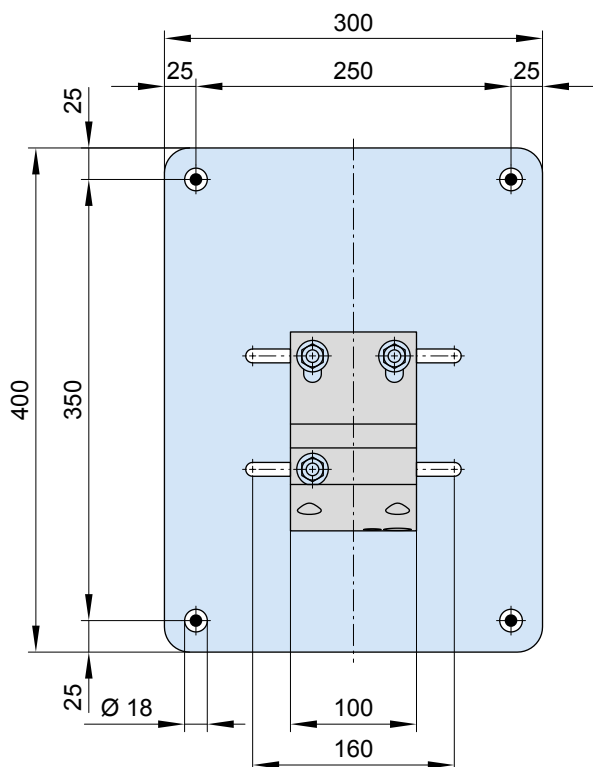
1 side plate including
2 pan-head self-tapping
screws for wall sealing
profile

76386. and 2 × 735611



bolt reduction assembly
pack 10 pcs

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



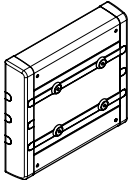
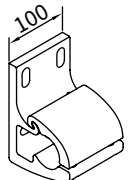
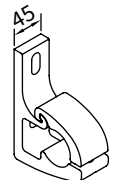
751971 = stand-off strip for wall sealing profile

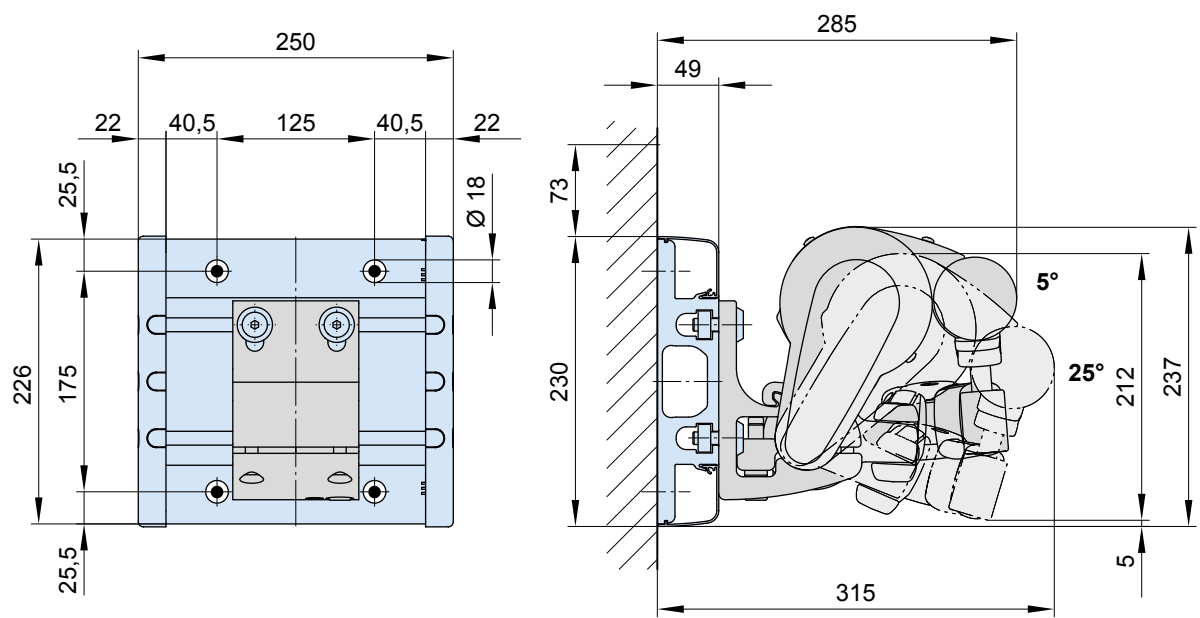
76385. = wall sealing profile (standard width = awning width (M); up to a maximum awning pitch of 25°)

dimensions in mm

Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories

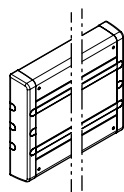
	markilux panel 250 mm fixture profile with decorative profiles and end caps 250 × 230 × 49 mm		face fixture brackets 100 mm		face fixture brackets for central fixture, depending on size 45 mm
76308.		70867.		71813.	



dimensions in mm

Face fixture with markilux panel continuous

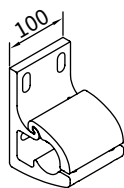
Fixtures, fittings and accessories



markilux panel 250 mm
fixture profile
with decorative profiles
and end caps

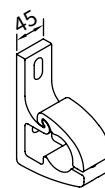
continuous

76380.



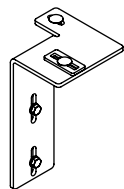
face fixture brackets
100 mm

70867.



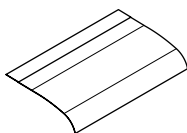
face fixture brackets
for central fixture,
depending on size
45 mm

71813.



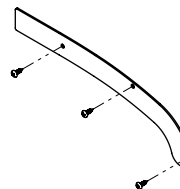
Coverboard brackets

76390.



Coverboard incl. addi-
tional profile and rubber
sealing strip

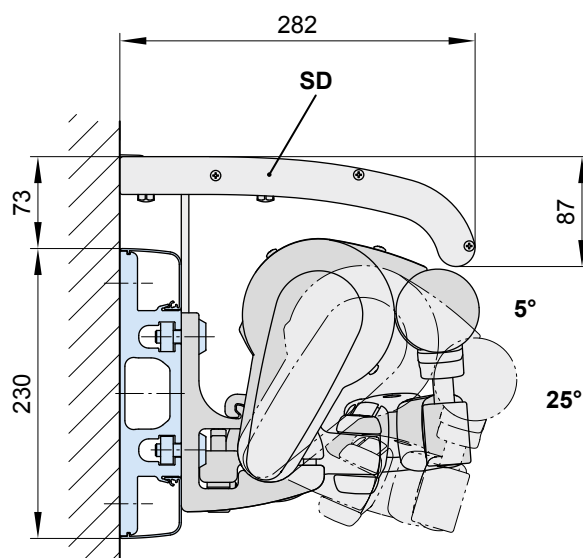
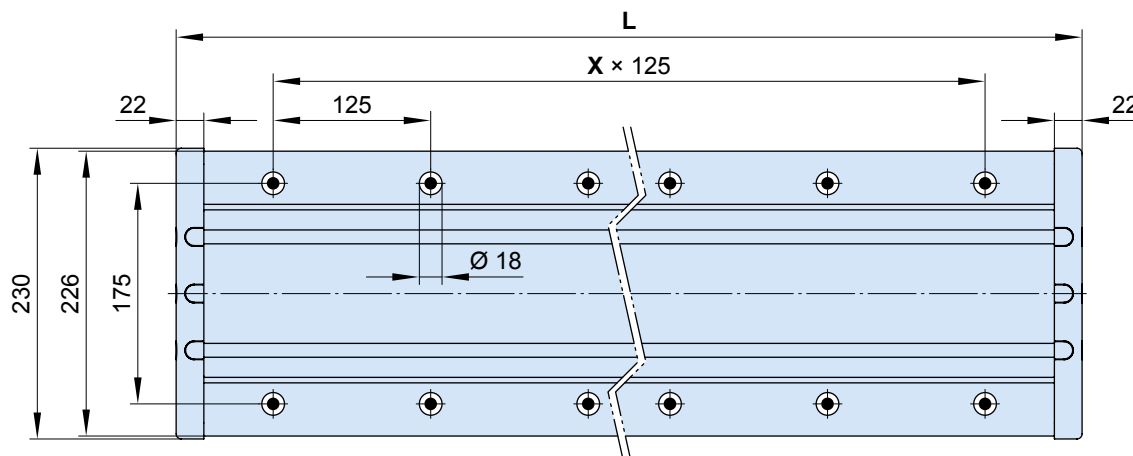
72015., 72019., 75970.



End cheeks for the cover-
board, 282 x 87 x 2 mm
and
3 fillister head self-tap-
ping 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.



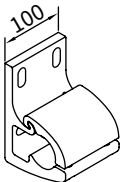
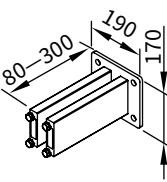
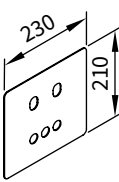
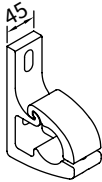
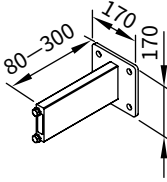
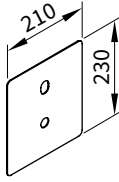
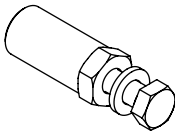
L = individual width, max. 7000 mm
SD = coverboard

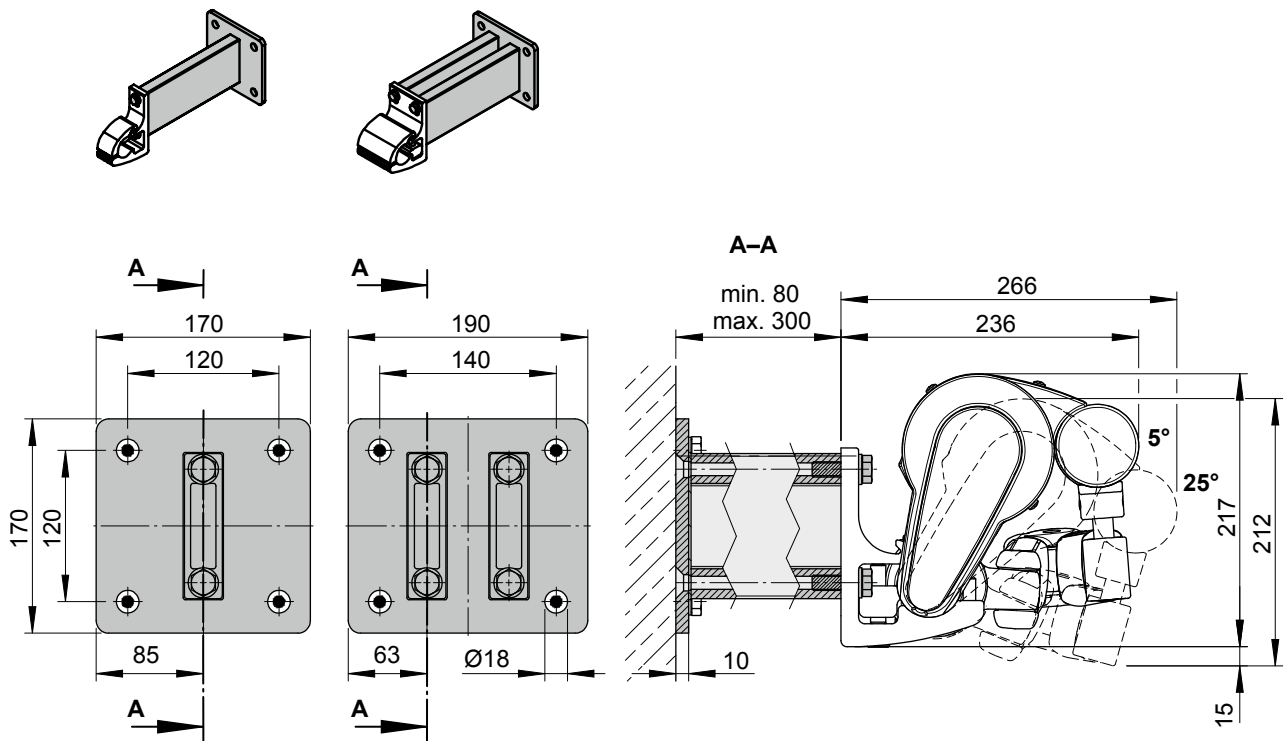
X = fixing point separation, **by way of example**

dimensions in mm

Face fixture with stand-off bracket

Fixtures, fittings and accessories

 <p>face fixture brackets 100 mm</p> <p>70867.</p>	 <p>stand-off bracket for face fixture bracket 70867.</p> <p>77968.</p>	 <p>cover plate for spacer plate and stand-off brackets in the case of external insulation</p> <p>230 × 210 × 2 mm</p> <p>71843.</p>
 <p>face fixture brackets for central fixture, depending on size 45 mm</p> <p>71813.</p>	 <p>stand-off bracket for face fixture bracket 71813.</p> <p>77967.</p>	 <p>cover plate for spacer plate and stand-off brackets in the case of external insulation</p> <p>210 × 230 × 2 mm</p> <p>71844.</p>
 <p>bolt reduction assembly pack 10 pcs</p> <p>M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10</p>		

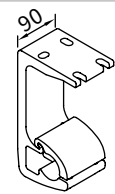


dimensions in mm

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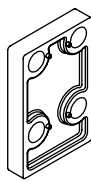
Top fixture

Fixtures, fittings and accessories



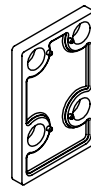
top fixture bracket
90 mm

70868.



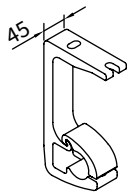
spacer plate for
top fixture
90 × 140 × 20 mm
N.B!
stack to a max. height of
200 mm

716311



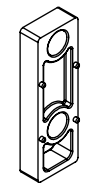
spacer plate for
top fixture
90 × 140 × 12 mm

716411



additional top fixture
bracket in the case of 3
folding arms

71818.



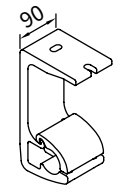
spacer plate for
top fixture
45 × 140 × 20 mm
N.B!
stack to a max. height of
200 mm

716261



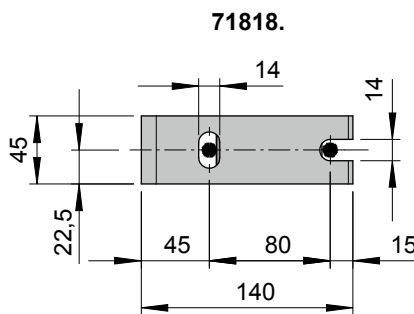
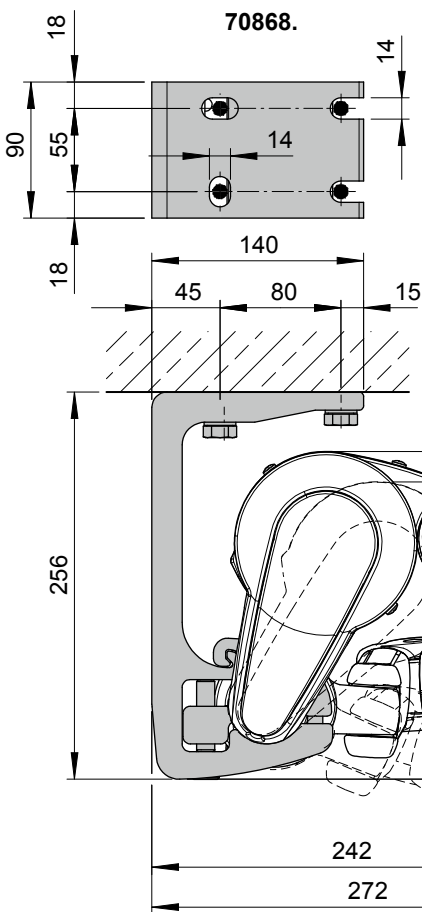
spacer plate for
top fixture
45 × 140 × 12 mm

716371



top fixture bracket
for central fixture
N.B!
The pull-out forces are
double those of top fixture
bracket 70868.

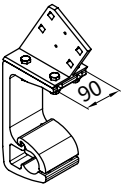
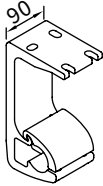
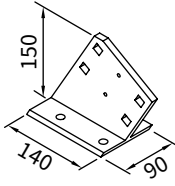
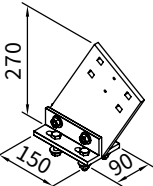
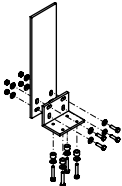
70869.



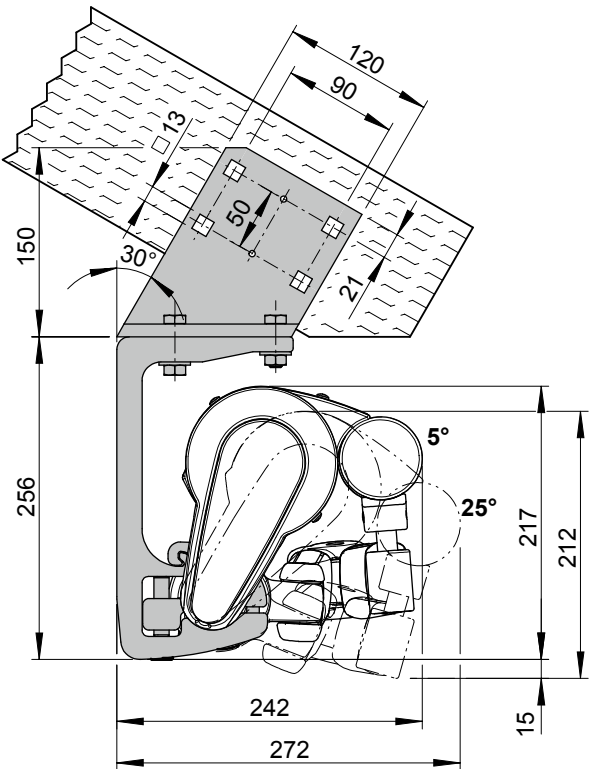
dimensions in mm

Eaves fixture

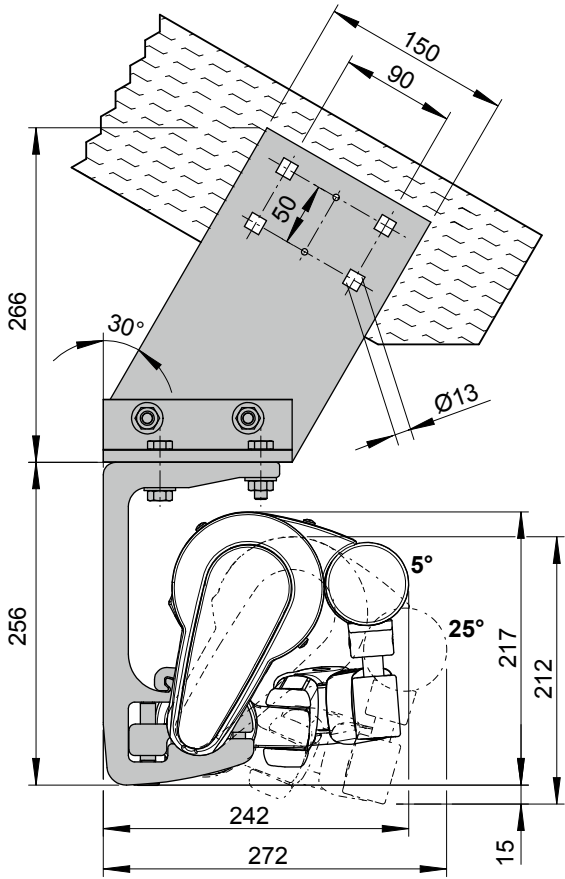
Fixtures, fittings and accessories

 <p>eaves fixture bracket complete set height of flat plate: 150 mm 90 mm</p> <p>70871.</p>	 <p>top fixture bracket 90 mm</p> <p>70868.</p>	 <p>eaves fixture bracket 150 mm plate</p> <p>71612.</p>
 <p>eaves fixture bracket 270 mm plate please refer to "Eaves fixture with spreader / backing plate"</p> <p>71659.</p>	 <p>flat plate and angled bracket for eaves fixture machine finish</p> <p>716620</p>	

With eaves fixture bracket, 150 mm (71612.)



With eaves fixture bracket, 270 mm (71659.)

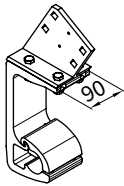
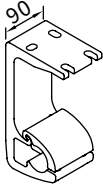
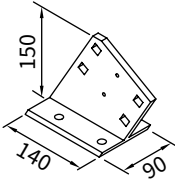
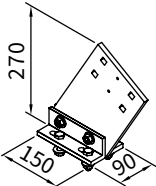
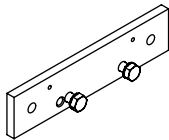


dimensions in mm

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Eaves fixture with additional plate

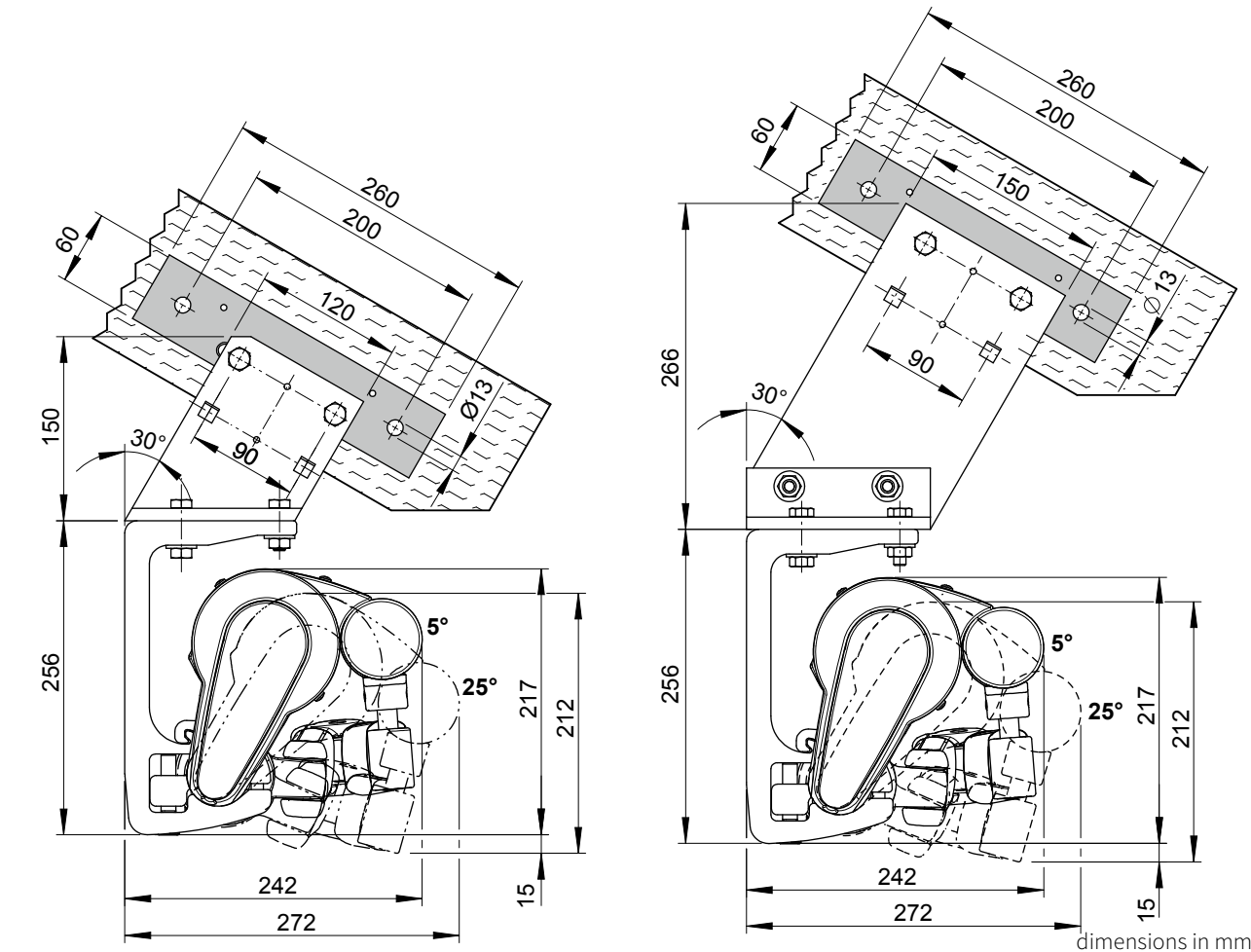
Fixtures, fittings and accessories

 <p>eaves fixture bracket complete set height of flat plate: 150 mm 90 mm</p> <p>70871.</p>	 <p>top fixture bracket 90 mm</p> <p>70868.</p>	 <p>eaves fixture bracket 150 mm plate</p> <p>71612.</p>
 <p>eaves fixture bracket 270 mm plate please refer to "Eaves fixture with spreader / backing plate"</p> <p>71659.</p>	 <p>supplementary flat plate eaves fixture 260 × 60 × 12 mm please refer to "Eaves fixture with spreader / backing plate"</p> <p>75383.</p>	

10

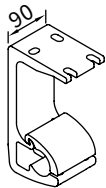
With eaves fixture bracket, 150 mm plate (71612.)

With eaves fixture bracket, 270 mm plate (71659.)



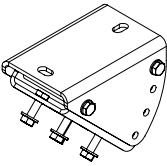
Eaves fixture with adjustable eaves fixture bracket

Fixtures, fittings and accessories



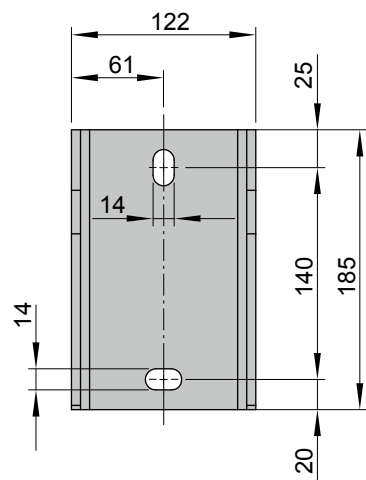
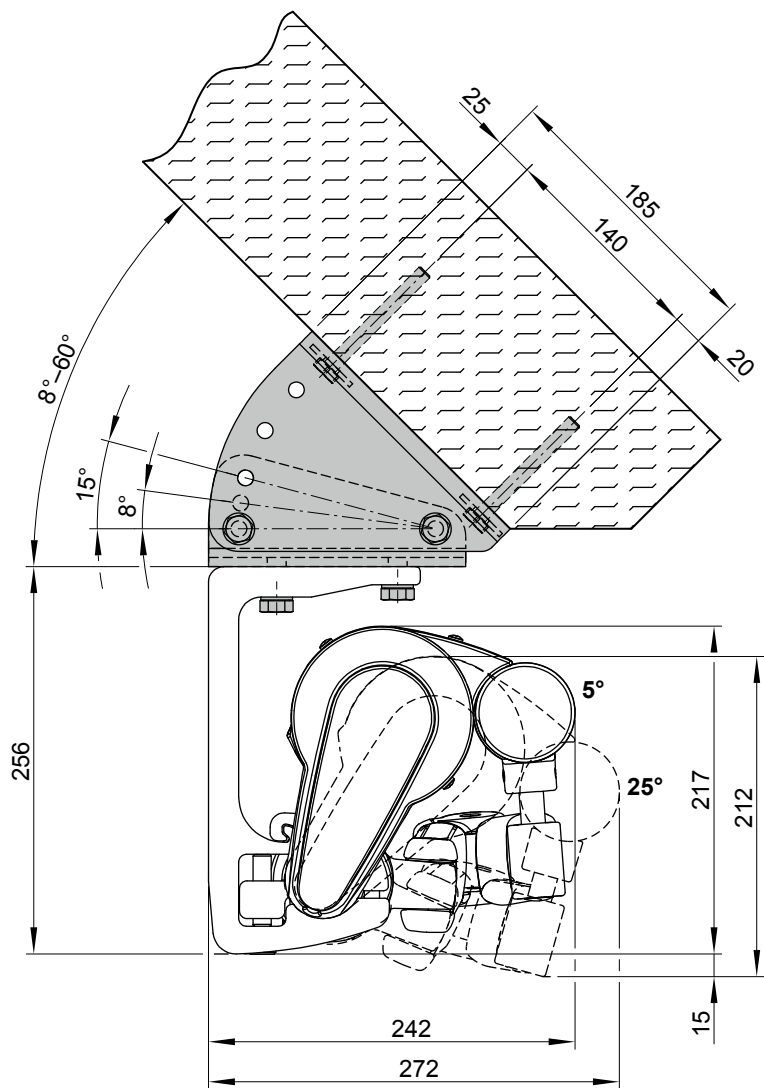
top fixture bracket
90 mm

70868.



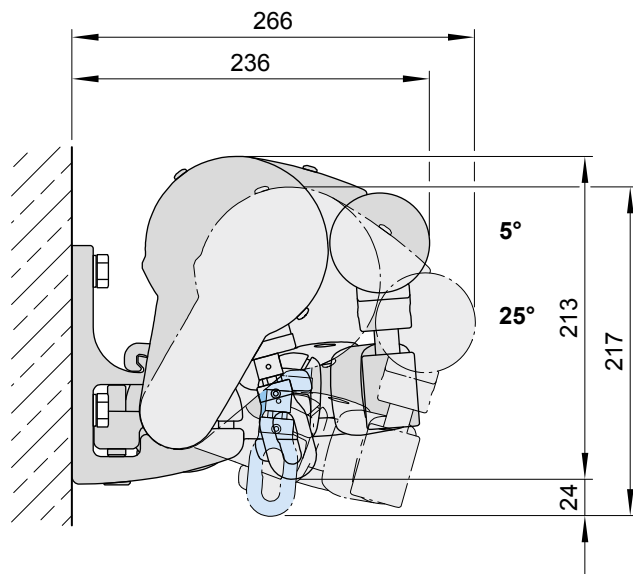
adjustable eaves fixture bracket

71198.



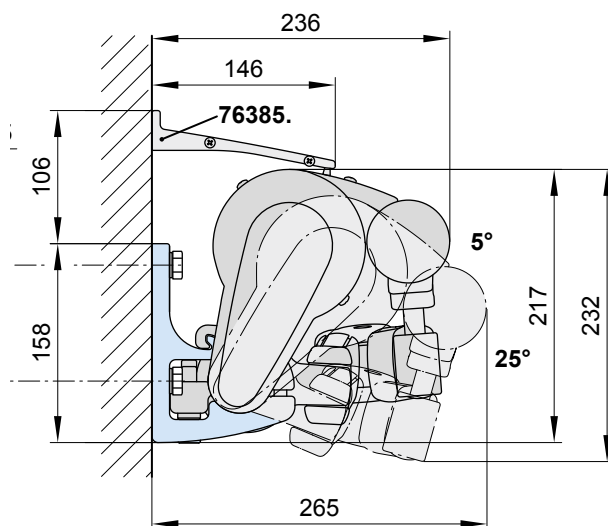
dimensions in mm

Face fixture, manual gearbox operation, dimensions at pitches between 5°–25°



Face fixture with wall sealing profile, max. pitch 15°

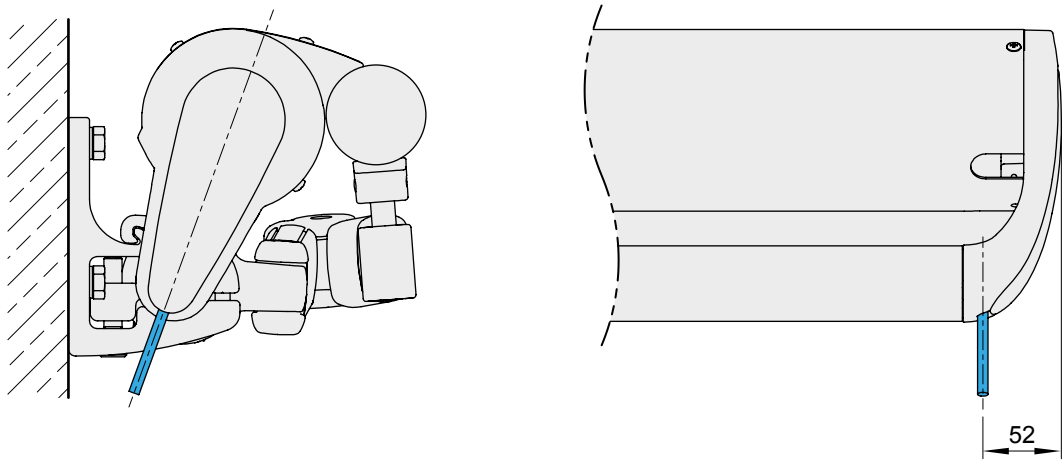
pitch (W)	approx. height in mm (X)
5°	106
10°	102
15°	99
20°	96
25°	90



76385. = wall sealing profile (standard width = awning width (M); up to a maximum awning pitch of 25°)

dimensions in mm

Motor cable exit point



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dimensions in mm

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