



markilux 990

The most compact markilux with folding arms – svelte, attractive and functional.

markilux by Aquarius Blinds

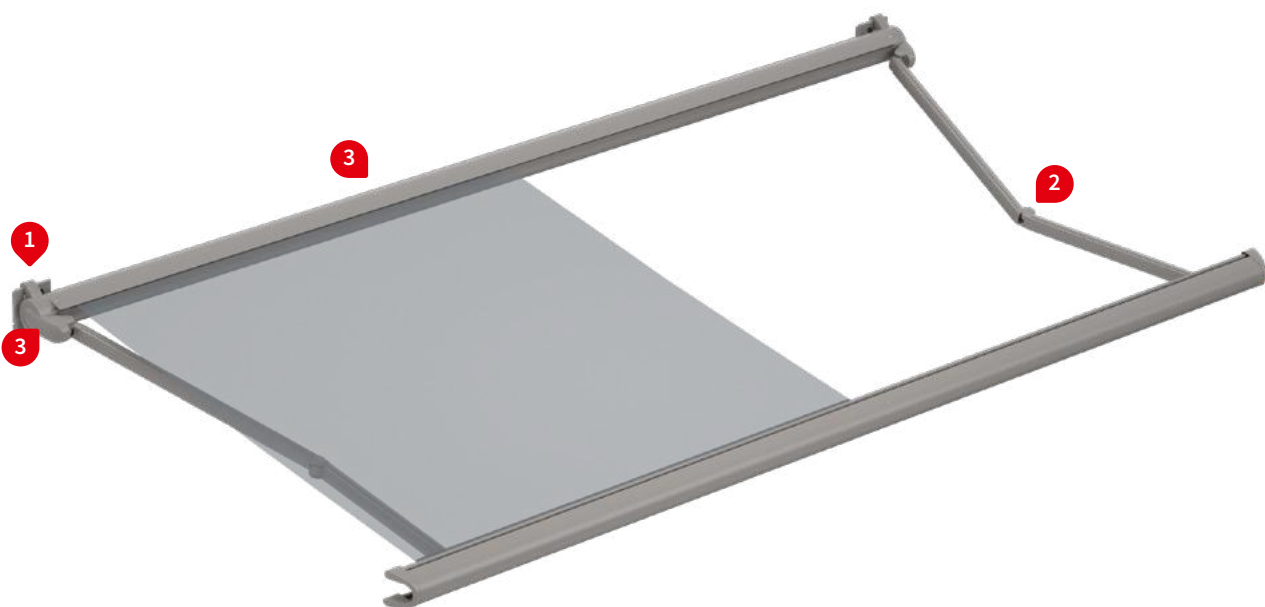
www.aqblinds.co.uk - 0800 953 0199

markilux
safe timeless beautiful

01
02
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17

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 35°



1 top fixture



1 top fixture, view from the rear



2 twin steel-link chain, corrosion protected



2 bionic tendon made of high-tech fibres for optimum power transference ¹⁾



1) during extension



3 wall sealing profile ¹⁾, cassette end cap in polished chrome



¹⁾ optional accessory

Product characteristics

Description

- the perfectly designed compact cassette awning. The outstanding “lightweight” for balcony and patio

Special features

- self-supporting cassette profile construction, the brackets being installed at each end of the awning – also suitable for bridging larger distances
- cassette with arms situated in front and at each end, which – when the awning is closed – are encompassed fully by the front profile and which lends an harmonious overall appearance to the awning
- even when the awning is fully extended, the roller tube is completely protected

Dimensions

- cassette in the standard version: depth 217 mm, height 124 mm
- single unit: minimum width 179 cm at the smallest projection of 150 cm, maximum width 500 cm at the largest projection of 300 cm

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 arm bearer is made of die-cast aluminium, powder coated, with integrated, infinitely variable pitch setting mechanism

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette in two parts
- semi-circular front profile with integrated 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 corrosion-protected twin steel-link chains at the elbow joint, optionally with innovative bionic tendon made of high tensile, high-tech fibre – low in friction, noiseless, insensitive to corrosion and UV resistant

Side caps

- the cassette 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, with drainage holes

Fixture brackets

- face fixture, top fixture, eaves fixture
- extruded aluminium, powder coated
- available in intermediate widths made to order (on request)
- pitch range 5°–35° (face fixture) or 5°–70° (top or eaves fixture), infinitely variable
- spacer plates, stand-off brackets and other accessories are available

01

Frame and end cap colours

02

markilux frame colours without surcharge

traffic white RAL 9016

metallic aluminium RAL 9006

grey brown, similar to RAL 8019

03

04

05

06

07

off-white textured finish, 5233 ¹⁾

stone grey metallic, 5215 ¹⁾

anthracite metallic, 5204 ¹⁾

08

09

10

11

Havana brown textured finish, 5229 ¹⁾

12

13

14

15

16

17

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

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

anthracite metallic, 5204 ¹⁾
end cap insert 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 awning width						Minimum width	
		250	300	350	400	450	500	Motor	Crank handle
Order dimensions		179 250	251 300	301 350	351 400	401 450	451 500		
H	150	1) —	—	—	—	—	—	179	179
	200	1) —	—	—	—	—	—	229	229
	250	—	1) —	—	—	—	—	279	279
	300	—	—	1) —	—	—	—	329	329

dimensions in cm

1) = please note the minimum widths!

H = nominal projection

 = 2 standard arms, 2 fixture brackets

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

not available

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

Optional accessories

folding-arm technology with bionic tendon
valance
wall sealing profile
infrared heater 2500 W
infrared heater 2500 W with integrated radio-controlled receiver 868 MHz io
LED spotlight – light bar 110 × 70 mm with 5 W LED spotlights, width 180 cm / 3 spots or 300 cm / 5 spots
LED spotlight 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

face fixture bracket 150 mm	71624.
face fixture bracket 300 mm L	70617.
face fixture bracket 300 mm R	70600.
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 80–300 mm	77968.
top fixture bracket 150 mm	71625.
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.

No. of brackets | No. of fixing points

		Overall awning width					
		250	300	350	400	450	500
Order dimensions		180	251	301	351	401	451
		250	300	350	400	450	500
BHT		No. of brackets No. of fixing points					
W	15	2 6					
BP		A 2 16 B 2 8					
PA		2 8					
DA / DE	15	2 8					

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”.

A = arm position

BHT = bracket width

BP = spreader plate (A or B)

DA = eaves fixture brackets

DE = top fixture brackets

H = *order dimension* = projection

M = *order dimension* = awning width

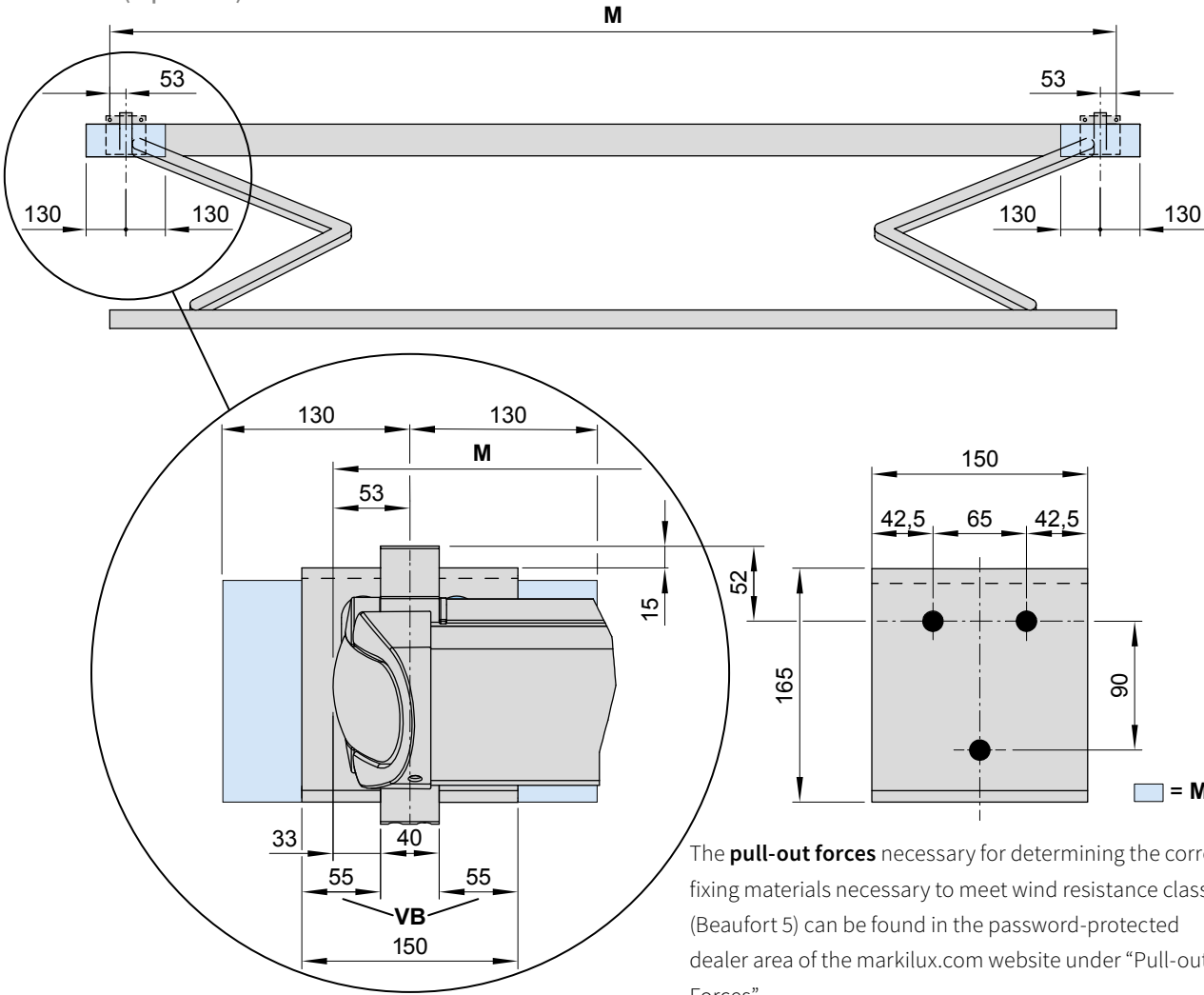
PA = markilux panel, fixture profile, width 250 mm

W = face fixture brackets

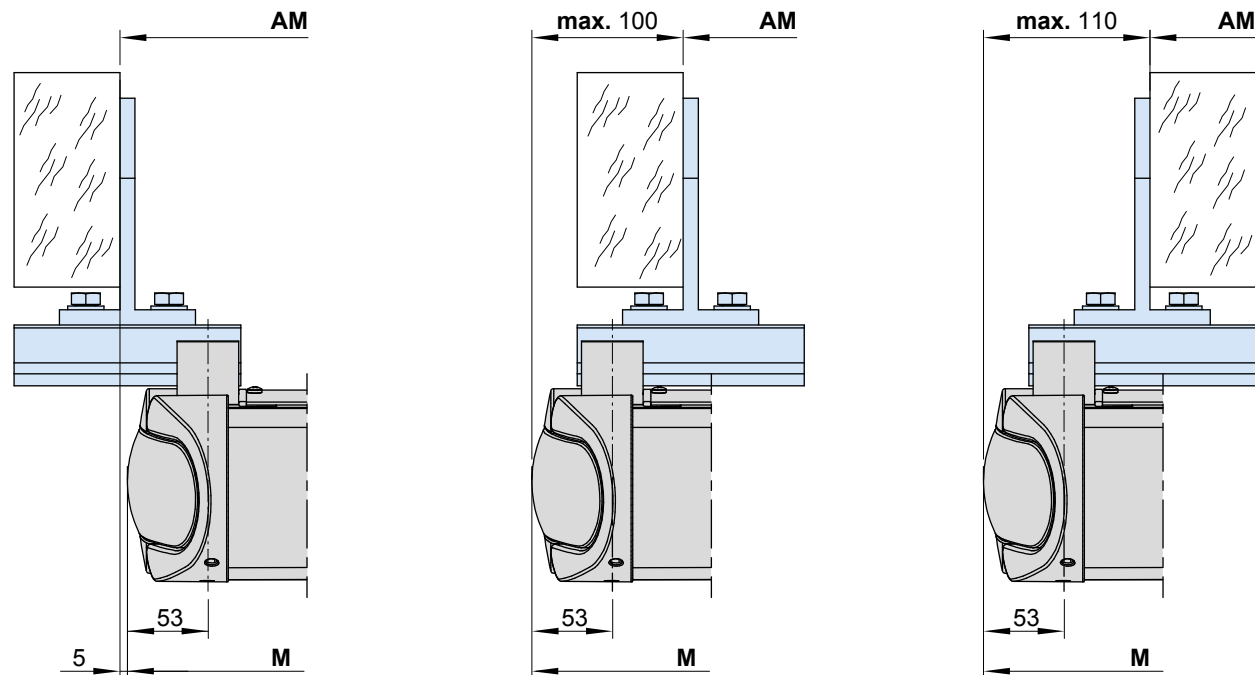
dimensions in cm

Bracket fixture range

Face fixture (top fixture)



Eaves fixture

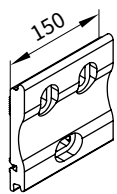


M = order dimension = awning width
 MB = bracket fixture range

VB = adjustment range face fixture bracket
 X = installation dimensions
dimensions in mm

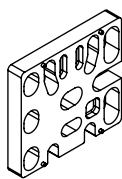
Face fixture

Fixtures, fittings and accessories



face fixture bracket
150 mm

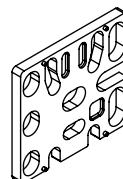
71624.



spacer plate for face fixture
150 x 136 x 20 mm

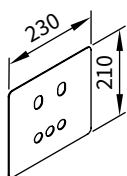
N.B! stack to a max.
height of 200 mm

716331



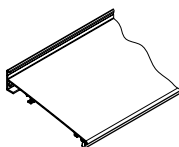
spacer plate for face fixture
150 x 136 x 12 mm

71644.



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

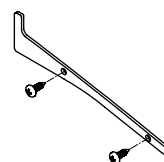
71843.



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

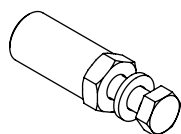
available by the metre

76385. and 704241



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

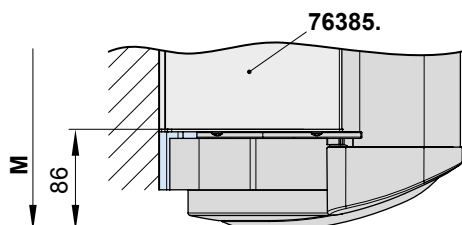
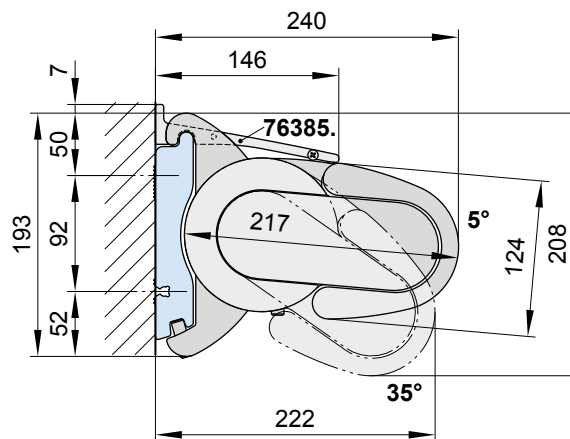
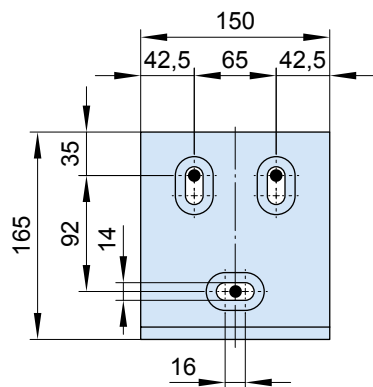
76386. and 2 x 735611



reduction
pack 10 pcs

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

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".

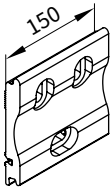
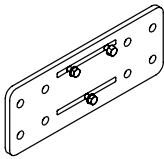
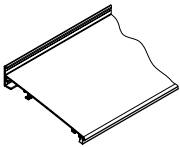
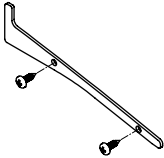
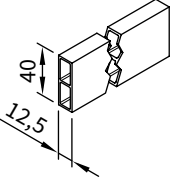
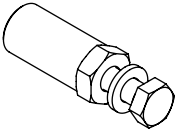


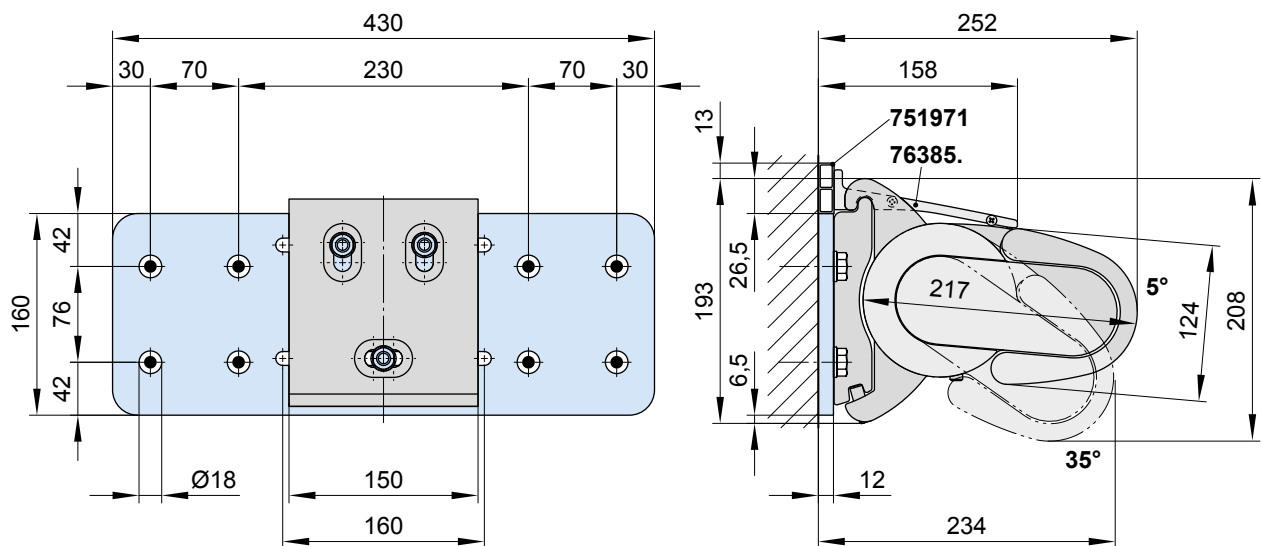
76385. = wall sealing profile (standard width = awning width (M) - 168 mm;
up to a maximum awning pitch of 35°)

dimensions in mm

Face fixture with spreader plate A

Fixtures, fittings and accessories

 face fixture bracket 150 mm 71624.	 spreader plate A 430 x 160 x 12 mm 75326.	 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 x 735611	 stand-off strip for wall sealing profile available by the metre 751971	 reduction pack 10 pcs M 16 → M 12 M 16 → M 10 M 12 → M 10 M 10 → M 10



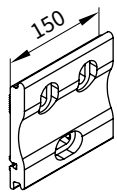
751971 = stand-off strip for wall sealing profil

76385. = wall sealing profile (standard width = awning width (**M**) – 168 mm;
up to a maximum awning pitch of 35°)

dimensions in mm

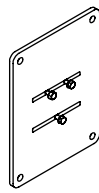
Face fixture with spreader plate B

Fixtures, fittings and accessories



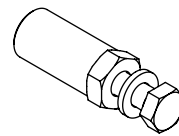
face fixture bracket
150 mm

71624.



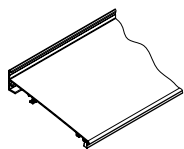
spreader plate B
300 x 400 x 12 mm

75325.



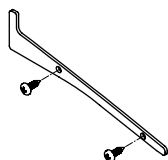
reduction
pack 10 pcs

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



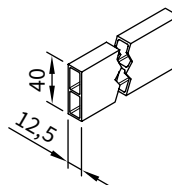
Wall sealing profile
incl. brush seal
when installing with a
coverboard
available by the metre

76385. and 704241



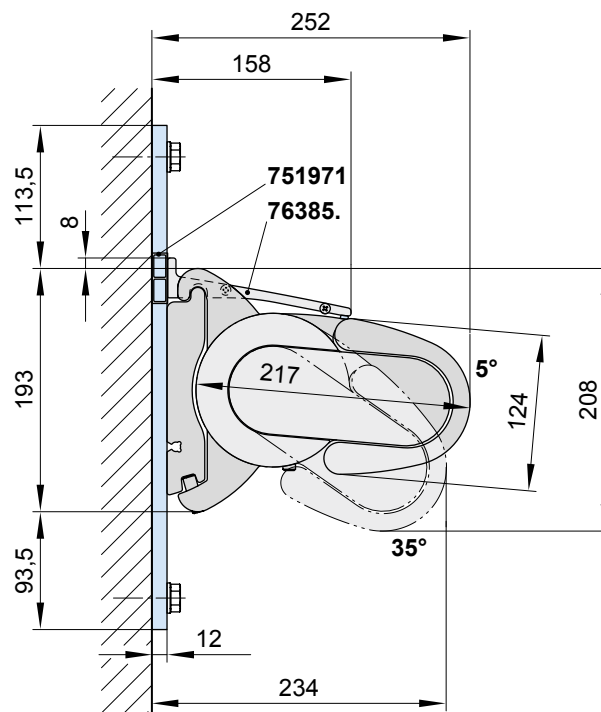
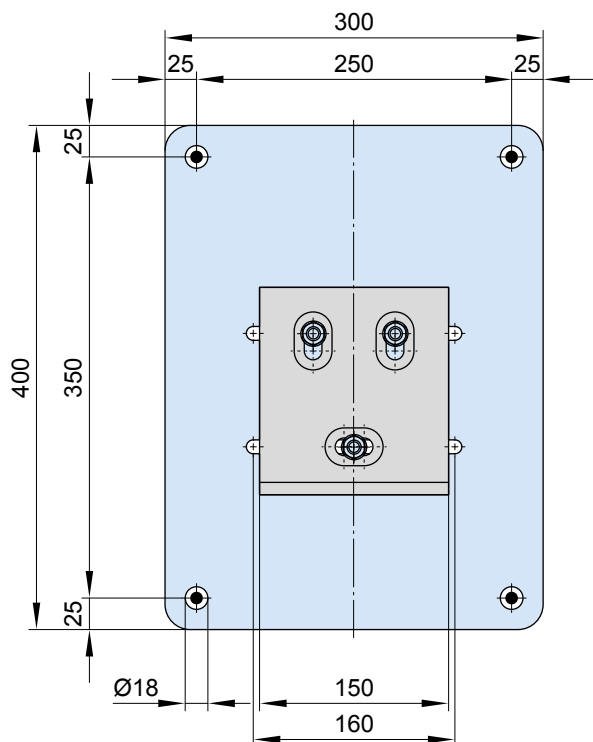
1 side plate including
2 pan-head self-tapping
screws for wall sealing
profile

76386. and 2 x 735611



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

751971



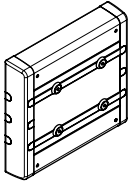
751971 = stand-off strip for wall sealing profil

76385. = wall sealing profile (standard width = awning width (**M**) - 168 mm;
up to a maximum awning pitch of 35°)

dimensions in mm

Face fixture with markilux panel 250 mm

Fixtures, fittings and accessories

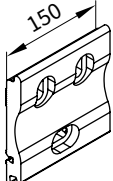


markilux panel
fixture profile,

with decorative profiles
and end caps

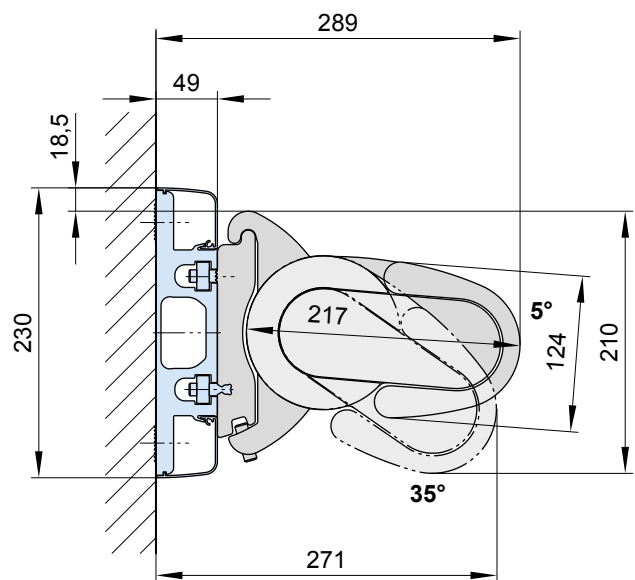
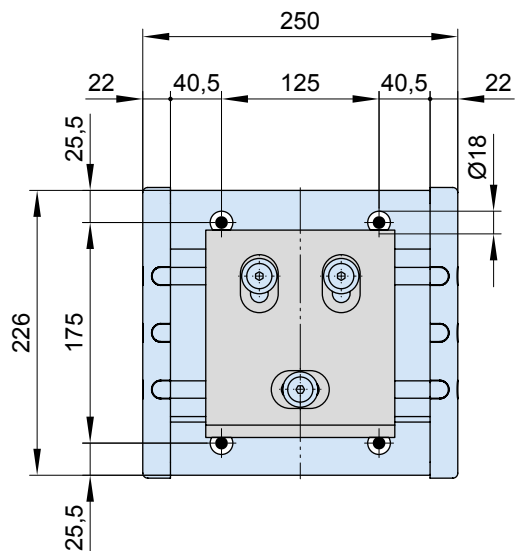
250 × 230 × 49 mm

76308.



face fixture bracket
150 mm

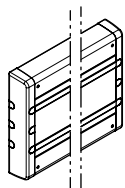
71624.



dimensions in mm

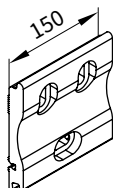
Face fixture with markilux panel continuous

Fixtures, fittings and accessories



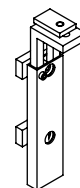
markilux panel
fixture profile,
with decorative profiles
and end caps
continuous

76380.



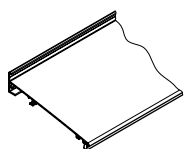
face fixture bracket
150 mm

71624.



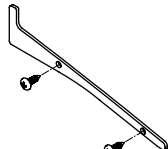
bracket
wall sealing profile
small

76387.



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

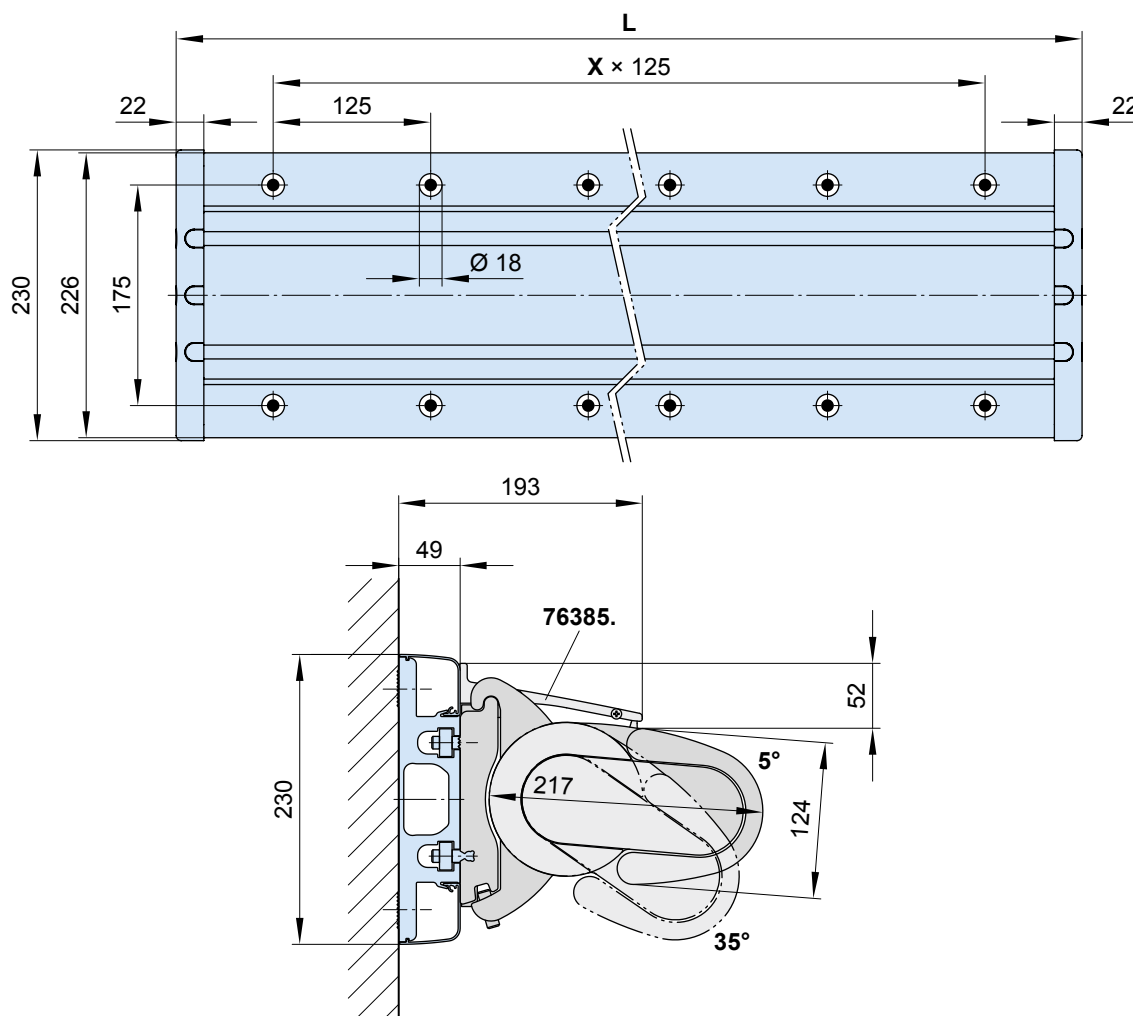
76385. and 704241



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 = $M - 168$ mm; up to a maximum awning pitch of 35°)

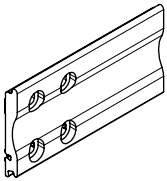
L = individual width max. 7000 mm, (standard $L = M + 20$ mm)

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

dimensions in mm

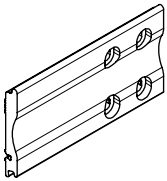
Face fixture with spacer bracket

Fixtures, fittings and accessories



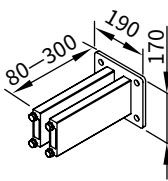
face fixture bracket left
300 mm

70617.



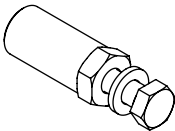
face fixture bracket right
300 mm

70600.



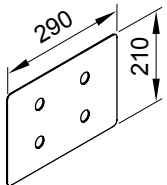
stand-off bracket
for face-fixture bracket
70617. and 70600.

77968.



reduction
pack 10 pcs

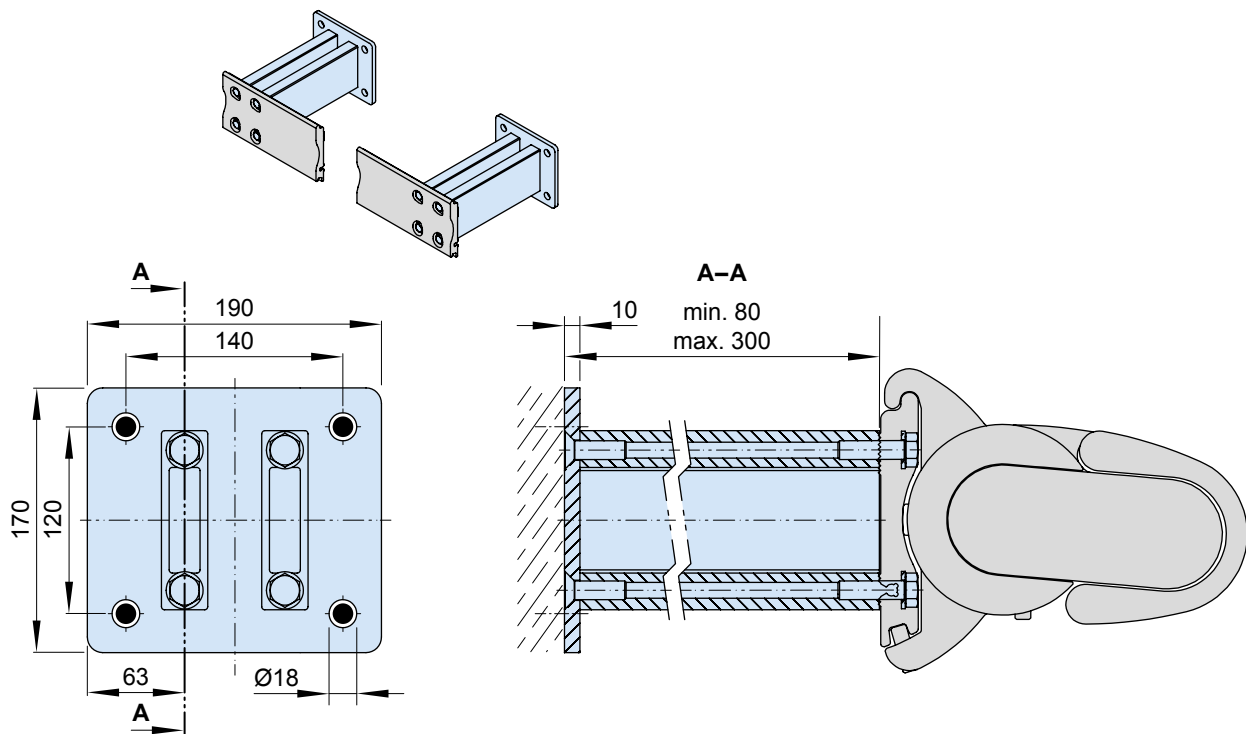
M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10



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

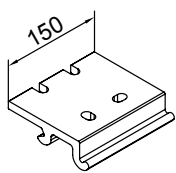
290 × 210 × 2 mm

71841.



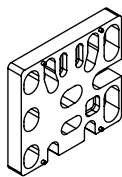
Top fixture

Fixtures, fittings and accessories



top fixture brackets
150 mm

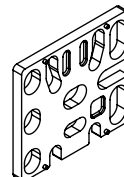
71625.



spacer plate for top fixture
150 × 136 × 20 mm

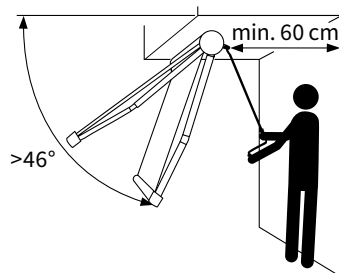
N.B! stack to a max.
height of 200 mm

716331

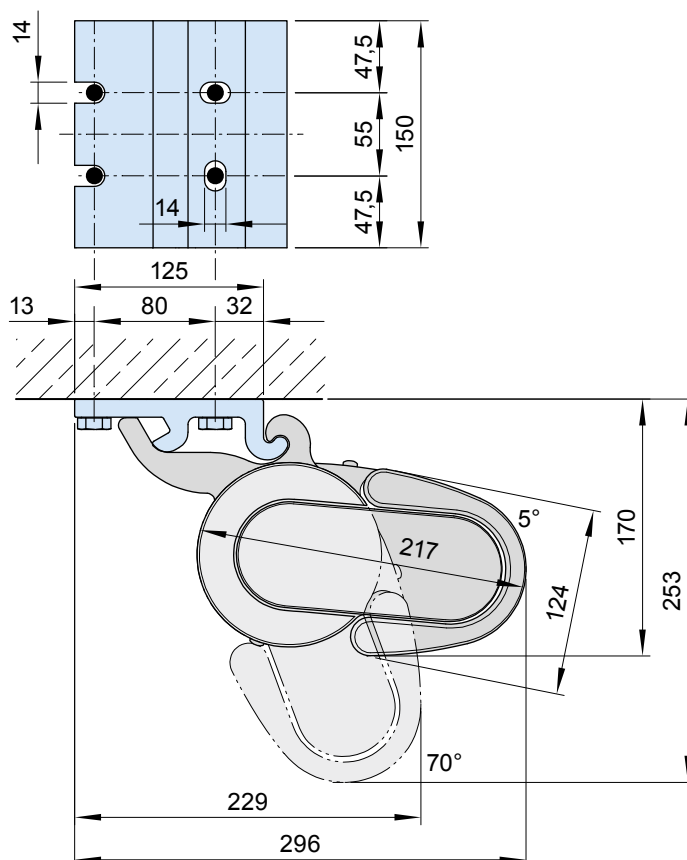


spacer plate for top fixture
150 × 136 × 12 mm

71644.



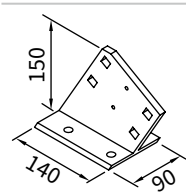
At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.



dimensions in mm

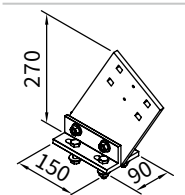
Eaves fixture

Fixtures, fittings and accessories



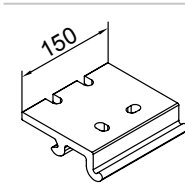
eaves fixture bracket
150 mm plate

71612.



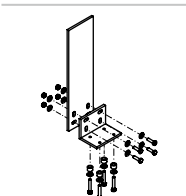
eaves fixture bracket
270 mm plate

71659.



top fixture bracket
150 mm

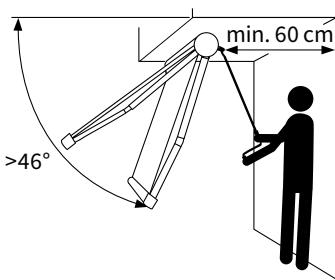
71625.



flat plate and
angle bracket
for eaves fixture

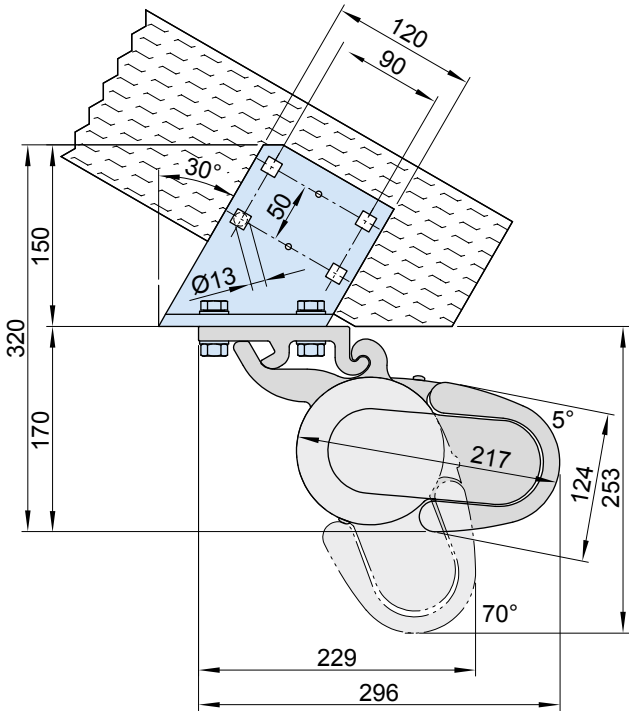
machine finish

716620

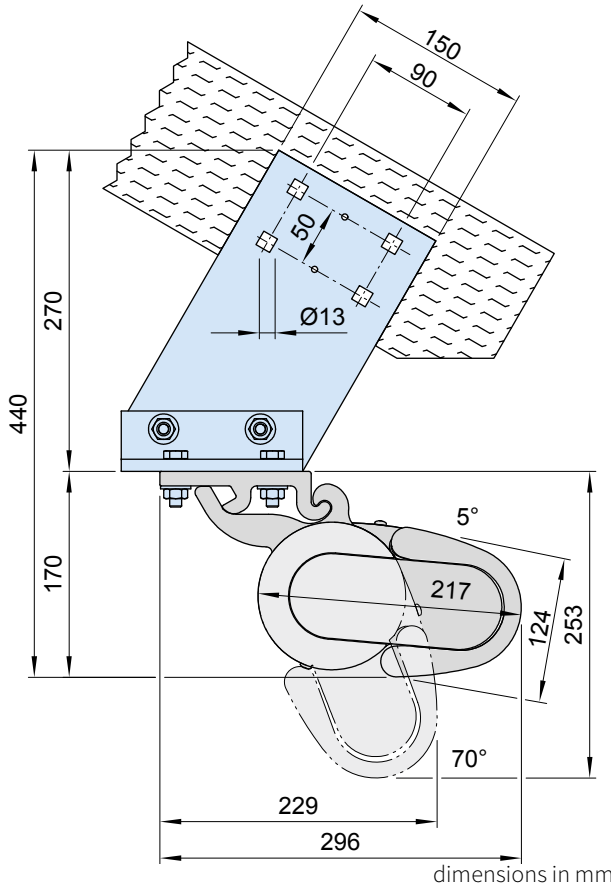


At a pitch of more than 46° to the horizontal there must be an area accessible behind the awning at least 60 cm deep to allow operation of an RTS motor with manual override.

With eaves fixture bracket 150 mm (71612.)



With eaves fixture bracket 270 mm (71659.)



01

02



04

05



07

08



10



12

13

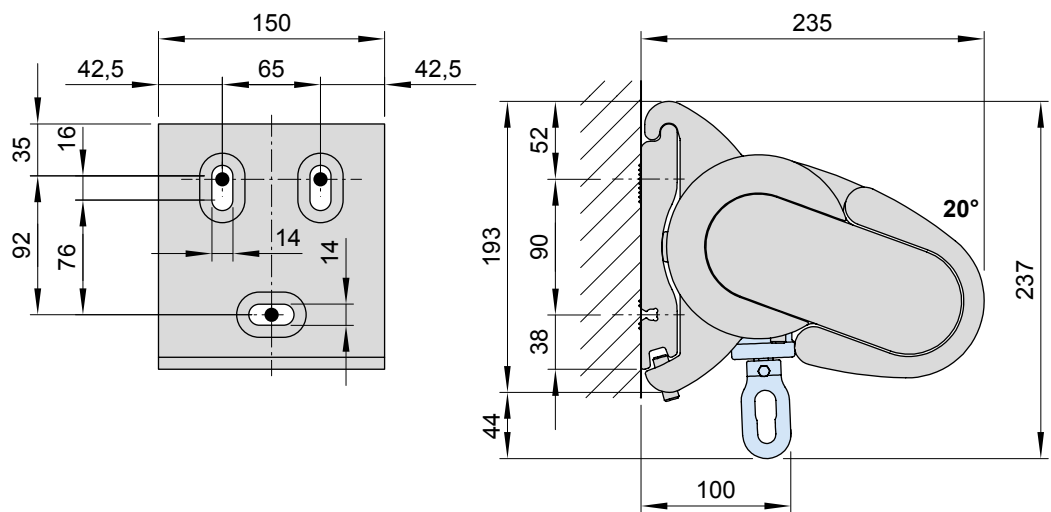


15

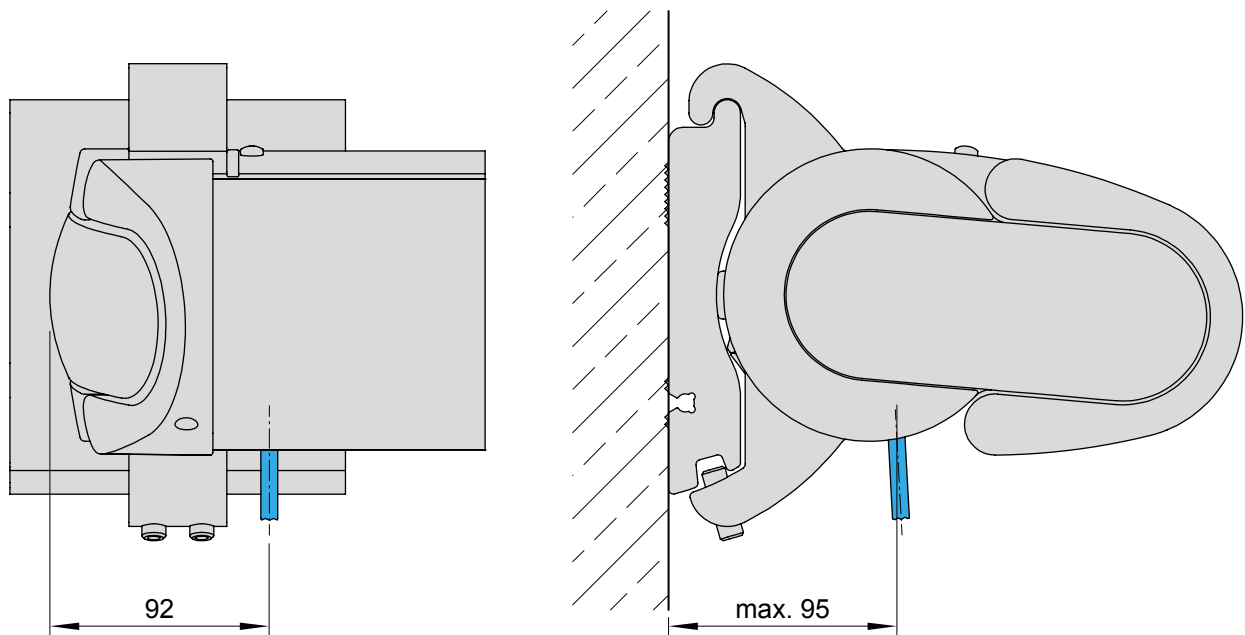
16

17

Face fixture, manual operation



Motor cable exit point



Face fixture, radio-controlled motor with manual override

