Cassette awning

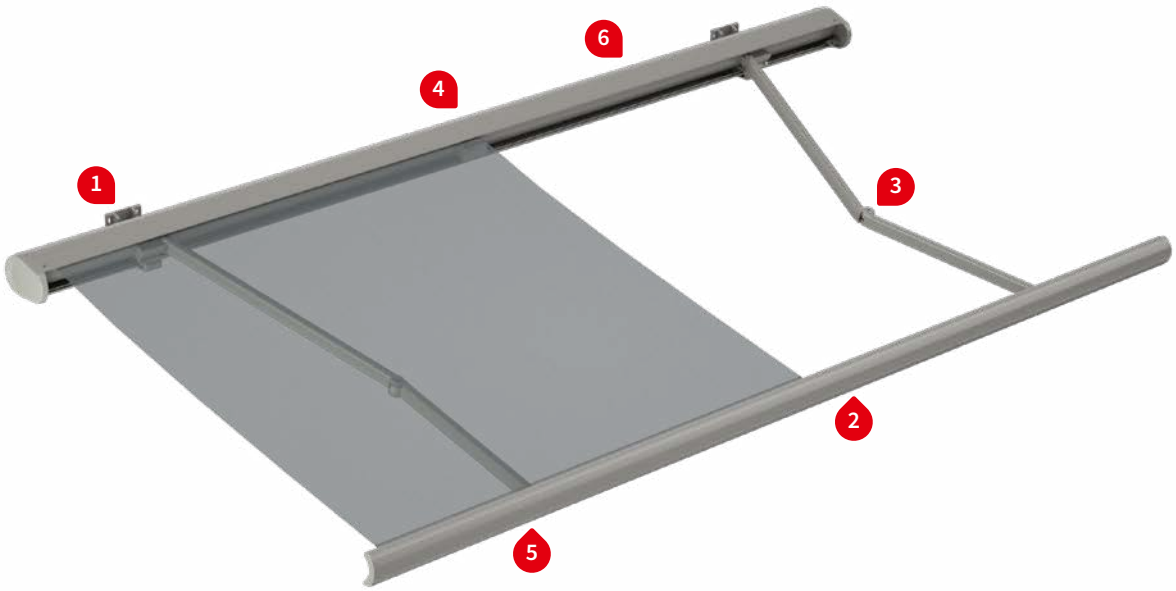
markilux 5010

The trendy cassette awning – slim, strong and simply chic.

01 02 03 04 05 06 **07** 08 09 10 11 12 13 14 15 16 17

Product Characteristics

Wind resistance class 1 | 2 (depending on size)
Beaufort 4 → 20–27 km/h → 5,5–7,4 m/s | Beaufort 5 → 28–37 km/h → 7,5–10,4 m/s



1 face fixture

1 top fixture

2 shadeplus [1)]

2 shadeplus, during extension [1)]

3 twin steel-link chain, corrosion protected

3 bionic tendon made of high-tech fibres for optimum power transference [1)]

4 infrared heater attached to the cassette [1)]

5 arm connection to the front profile, decorative cap in polished chrome

6 wall sealing profile [1)], front profile end cap in polished chrome

1) Optional accessories

Product Characteristics

Description

- ovally shaped cassette awning in a slender design
- extremely robust construction, ideally suited for shading large areas

Special features

- option of a drop valance up to a projection of 300 cm – vertical protection against low-lying sun and inquisitive glances integrated into the front profile, can be operated manually
- option of a silentec motor – motor noise is appreciably reduced
- the awning frame colour and end cap options can be freely combined front profile end caps, decorative caps at the elbow joint and for the front profile connectors)

Dimensions

- cassette in the standard version: depth 218 mm, height 151 mm cassette with drop valance: depth 293 mm, height 151 mm (without brackets) at a projection of 300 cm
- single unit: minimum width 187 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 cassette side caps are made of die-cast aluminium, powder coated

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette in two parts with integrated cover profile – offering optimum protection of the awning cover against the weather
- 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 fibres – low in friction, noiseless, insensitive to corrosion and UV resistant

End caps

- the front profile end caps are made of high-quality plastic, powder coated or with a polished chrome finish, with water drainage holes
- the decorative caps for the arm to front profile connectors are made of high-quality plastic, powder coated or with a polished chrome finish
- the decorative caps at the elbow joint are made of high-quality plastic, in black or white (depending on the awning colour) or with a polished chrome finish

Fixture brackets

- face fixture, top fixture, eaves fixture, bottom fixture
- extruded aluminium, powder coated
- pitch range 5°–35° or 36°–70°, infinitely adjustable
- 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 [1)]

stone grey metallic, 5215 [1)]

anthracite metallic, 5204 [1)]

havana brown textured finish, 5229 [1)]

off-white textured finish, 5233 [1)]
front profile end caps in polished chrome

stone grey metallic, 5215 [1)]
front profile end caps in polished chrome

anthracite metallic, 5204 [1)]
front profile end caps in polished chrome

Combination options – possible in any frame colour.

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.

1) textured finish

Dimensions and configuration options

Single unit

Order dimensions		Awning width 250	300	350	400	450	500	550	600	650	700 [2]
		187 – 250	251 – 300	301 – 350	351 – 400	401 – 450	451 – 500	501 – 550	551 – 600	601 – 650	651 – 700
H	150	3)									
	200	3)									
	250	—	3)								
	300	—	—	3)					4)	4)	
	350 [1]	—	—	—	3)					2) 3)	
	400 [1] [2]	—	—	—	—	3) 5)	5)	5)	—	—	3) 5)

Minimum widths					
Motor			Crank handle		
2	+2	3	2	+2	
200	187	—	200	187	
250	237	—	250	237	
300	287	—	300	287	
350	337	—	350	337	
400	387	644	400	387	
450	437	694	—	—	

Dimensions in cm

1) = drop valance not available

2) = only available with motor drive (surcharge)

3) = please note the minimum widths!

4) = in the case of shadeplus (on request): 3 folding arms, 4 brackets and 2 rolltex bearings (surcharge)

5) = meets wind resistance class 1, all other sizes meet wind resistance class 2

H = projection

= 2 folding arms 2 brackets

= 2 folding arms 3 brackets

= 2 folding arms, 3 brackets 1 rolltex bearing

= 3 folding arms, 4 brackets 2 rolltex bearing

= 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	—	✓
868 MHz radio-controlled motor io with manual override [1]	—	✓

1) For awnings with a maximum of 2 arms

Coupled awning (motor drive) [1]
2 fields, 1 motor, maximum width 1390 cm
3 fields, 1 motor, maximum width 1800 cm
maximum projection (depending on the width) 400 cm
junction roller
optionally with a one-piece cover (maximum of 2 fields / projection 350 cm / 15° pitch – without internal cover profile, drop valance not available)

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

Awning cover	fabric pattern no.	standard	optional
sunvas	300.. – 315..	✓	—
sunsilk	324.. / 325.. / 328.. / 369..	✓	—
sunbow	411.. - 427..	✓	—
smart art	340..	—	✓
perla FR	371.. / 372..	—	✓
valance, height 20 cm		—	✓

Drop valance [1] [2]	standard	optional
height 210 cm		
maximum projection 300 cm [3]		
crank handle	✓	—
hard-wired motor	—	—
radio-controlled motor io, 868MHz	—	—
radio-controlled motor RTS, 433MHz	—	—
fabric pattern sunvas / sunsilk / sunbow / transolair / vuscreen Alu / Serge 600		

1) In the case of coupled awnings (2 fields)shadeplus is driven with two separate gear boxes / motor (outside left and right)

2) Only available in plain seamless fabrics (oversized, fabric width >120 cm) or in plains with a horizontal joint (fabric width120 cm).

3) Dimensions (551–650) × 300 cm on request

Optional accessories

shadeplus, manual
folding-arm technology with bionic tendon
valance
wall sealing profile, up to a pitch of 65°
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, 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)

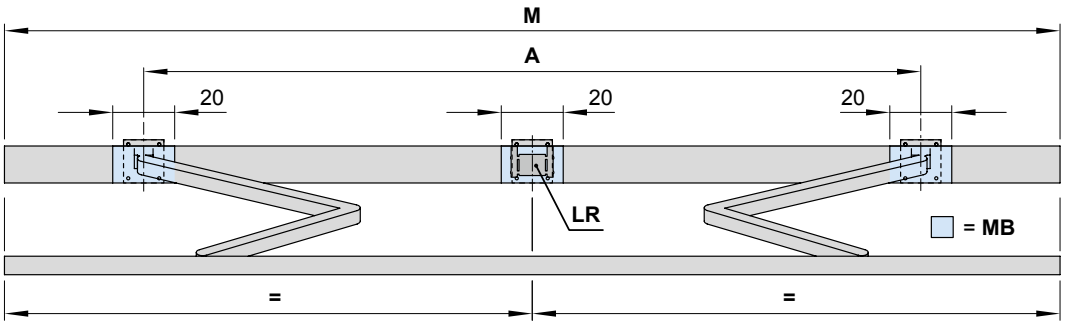
N.B. Important background information can be found in the chapter “Optional Accessories”

Fixture options

face fixture brackets 150 mm, 5°–35°	77921.
face fixture brackets 150 mm, 38°–65°	77936.
fixture plate A 430 × 160 × 12 mm	75328.
fixture plate B 300 × 400 × 12 mm	75327.
stand-off bracket 80–300 mm	77969.
markilux panel 250 × 230 × 49 mm	76308.
markilux panel continuous	701104
top fixture bracket 135 mm, 5°–35°	77937.
top fixture bracket 150 mm, 38°–65°	77938.
eaves fixture bracket 150 mm, 5°–35°, flat plate 150 mm	77939.
eaves fixture bracket 150 mm, 5°–35°, flat plate 270 mm	77940.
flat plate and angled bracket for eaves fixture, machine finish aluminium, 500 mm	741290
spreader plate for eaves fixture bracket 260 × 60 × 12 mm	75383.
bottom fixture 150 mm, 5°–35°	77941.

Bracket fixture range

Awning with 2 folding arms



dimensions in cm

Order dimensions		Awning width								
		250	**300**	**350**	**400**	**450**	**500**	**550**	**600**	**650**
		187 – 250	251 – 300	301 – 350	351 – 400	401 – 450	451 – 500	501 – 550	551 – 600	601 – 650
		Arm position A								
H	**150**	172 [1]	220	270	300	340	380	440	490	510
	200	222 [2]	223 [1]	270	300	340	380	440	490	510
	250	—	272 [2]	273 [1]	300	340	390	440	490	510
	300	—	—	322 [2]	323 [1]	340	390	440	490	510
	350	—	—	—	372 [2]	373 [1]	390	440	490	—
	400	—	—	—	—	422 [2]	423 [1]	440	—	—
	BHT	**No. of brackets | No. of fixing points**								
W	**15**	2 | 8					3 | 12			
BP		**A** 2 | 16 **B** 2 | 8					**A** 2 | 16 **B** 2 | 8			
DP		—					1 | 4			
PA		2 | 8					3 | 12			
DA / DE	**13,5**	2 | 8 2 | 6					3 | 12 3 | 9			

dimensions in cm

1) = coupled awnings are available in intermediate widths with a junction roller on request
2) = please note the minimum widths! Dimension **A** is only valid for standard arms! In the case of bespoke arms: **A** minus 13 cm. coupled units are not available with a junction roller

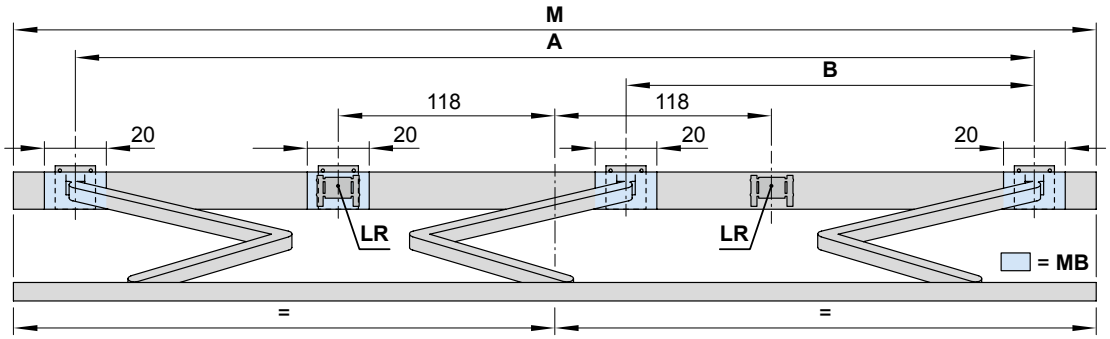
If the brackets cannot be positioned in accordance with this table, make sure the actual dimensions are noted on the order form!

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 *pro.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 brackets
DE = top fixture brackets
DP = spacer plate 71644.,to be positioned behind the rolltex bearing, in the case of spreader plate **A** or **B**
H = **order dimension** = projection
LR = rolltex bearing
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

Order dimensions		Awning width									
		650				700					
		601 – 650		651 – 674		675 – 700		651 – 693		694 – 700	
		Arm position									
		A	B	A	B	A	B	A	B	A	B
H	150	—	—	570	265	590	265	—	—	—	—
	200	—	—	570	240	590	240	—	—	—	—
	250	—	—	570	230	590	230	—	—	—	—
	300	566 [2)]	230 [2)]	570	230	590	230	—	—	—	—
	350	616 [1)]	225 [1)]	—	—	—	—	616 [1)]	225 [1)]	622	230
	400	—	—	—	—	—	—	—	—	666 [1)]	230 [1)]
	BHT	No. of brackets | No. of fixing points									
W	15	4 | 16									
BP		A 3 | 24 B 3 | 12									
DP		1 | 4									
PA		4 | 16									
DA / DE	13,5	4 | 16 4 | 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) = please note the minimum widths! Dimension **A** is only valid for standard arms! In the case of bespoke arms: **A** minus 13 cm, coupled units are not available with a junction roller

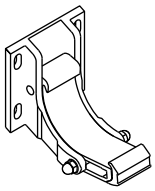
2) = awning only available with 3 olding arms if equipped with shadeplus / drop valance – available on request

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”.

A = arm position
BHT = bracket width
BP = spreader plate **A** or **B**, to be positioned behind the folding arm
DE = top fixture brackets
DA = eaves fixture brackets
DP = spacer plate 71644., to be positioned behind the rolltex bearing, in the case of spreader plate **A** or **B**
H = **order dimension** = projection
LR = rolltex bearing
M = **order dimension =** awning width
MB = bracket fixture range
PA = markilux panel, fixture profile, width 250 mm
W = face fixture bracktes

Face fixture

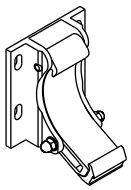
Fixtures, fittings and accessories



face fixture bracket
150 mm

5°–35°

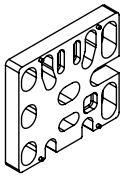
77921.



face fixture bracket
150 mm

38°–65°

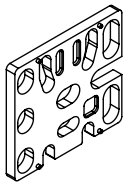
77936.



spacer plate
for face/top fixture
150 × 136 × 20 mm

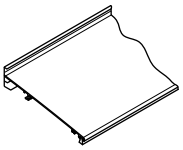
N.B!
stack to a max. height of 200 mm

716331



spacer plate for face fixture
150 × 136 × 12 mm

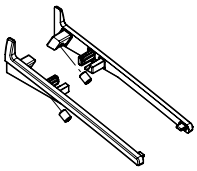
71644.



wall sealing profile
incl. brush seal

by the metre

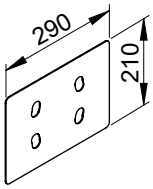
76385. and 704241.



side cover profile
for wall sealing profile

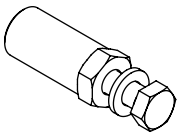
left and right

60919. and 60920.



cover plate for spacer plate and stand-off brackets in the case of external insulation
290 × 210 × 2 mm

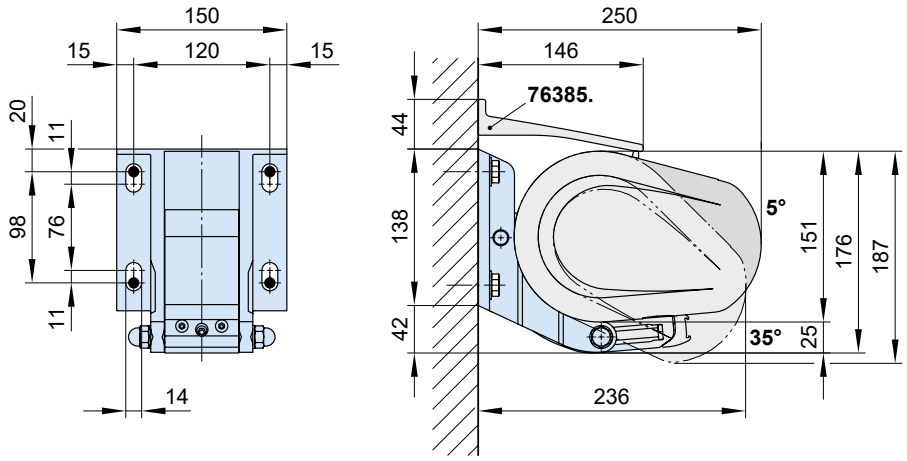
71841.



reduction bolt

pack 10 pcs

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

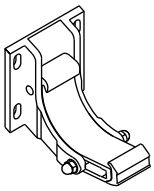


76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)

dimensions in mm

Face fixture with spreader plate A

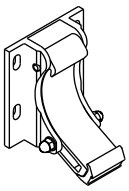
Fixtures, fittings and accessories



face fixture bracket
150 mm

5°–35°

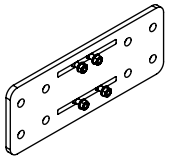
77921.



face fixture bracket
150 mm

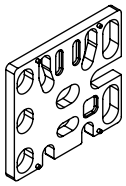
38°–65°

77936.



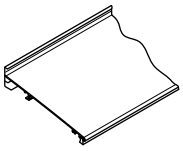
spreader plate A
430 × 160 × 12 mm

75328.



spacer plate for face fixture
150 × 136 × 12 mm

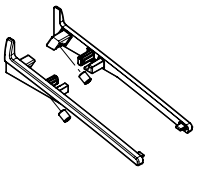
71644.



wall sealing profile
incl. brush seal

by the metre

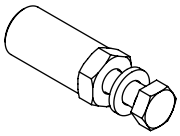
76385. and 704241.



side cover profile
for wall sealing profile

left and right

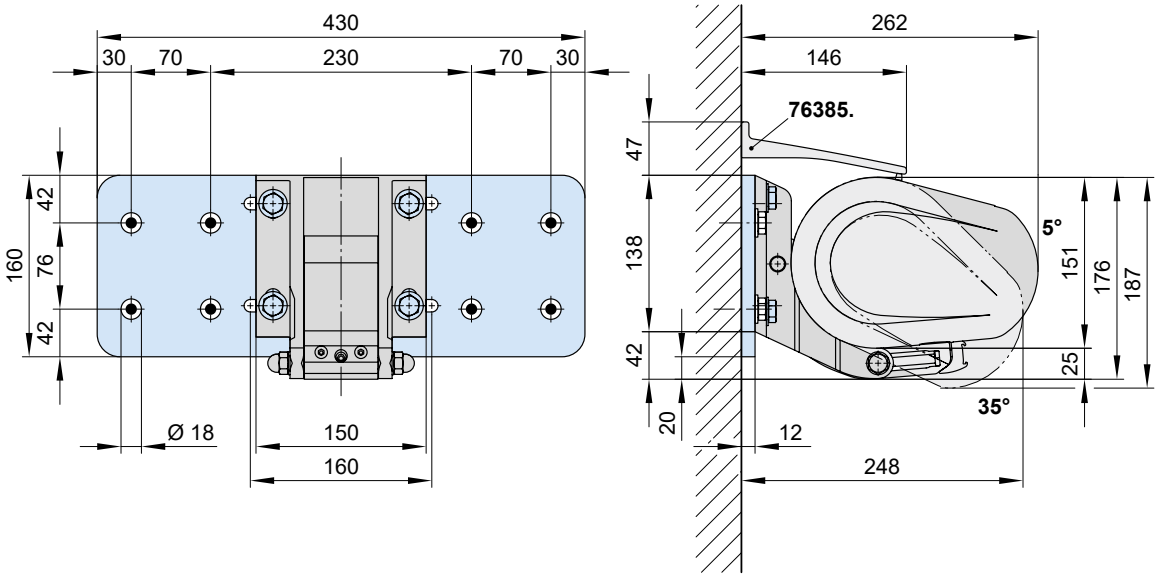
60919. and 60920.



reduction bolt

pack 10 pcs

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

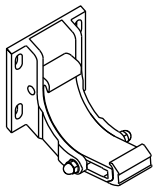


76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)

dimensions in mm

Face fixture with spreader plate B

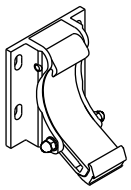
Fixtures, fittings and accessories



face fixture bracket
150 mm

5°–35°

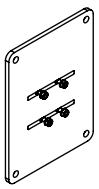
77921.



face fixture bracket
150 mm

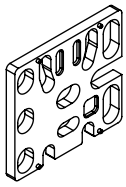
38°–65°

77936.



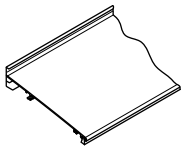
spreader plate B
300 × 400 × 12 mm

75327.



spacer plate for face fixture
150 × 136 × 12 mm

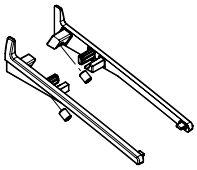
71644.



wall sealing profile
incl. brush seal

by the metre

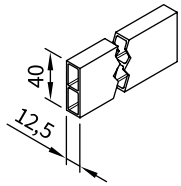
76385. and 704241.



side cover profile
for wall sealing profile

left and right

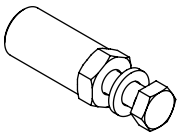
60919. and 60920.



stand-off strip
for wall sealing

by the metre

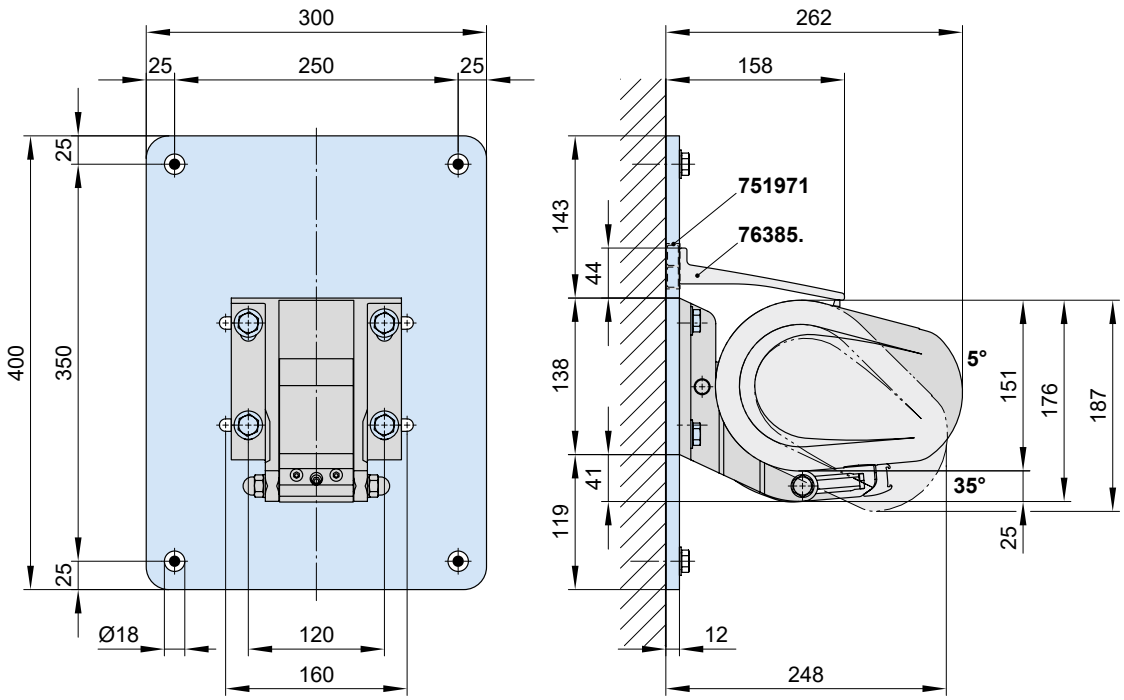
751971



reduction bolt

pack 10 pcs

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



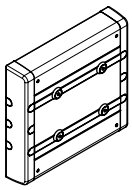
751971 = stand-off strip for wall sealing profile
76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)

dimensions in mm

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

Face fixture using the markilux panel 250 mm wide

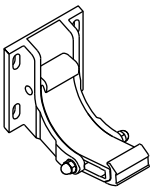
Fixtures, fittings and accessories



markilux panel
250 × 230 × 49 mm

with decorative profiles and end caps

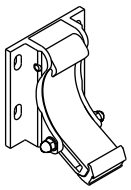
76308.



face fixture bracket
150 mm

5°–35°

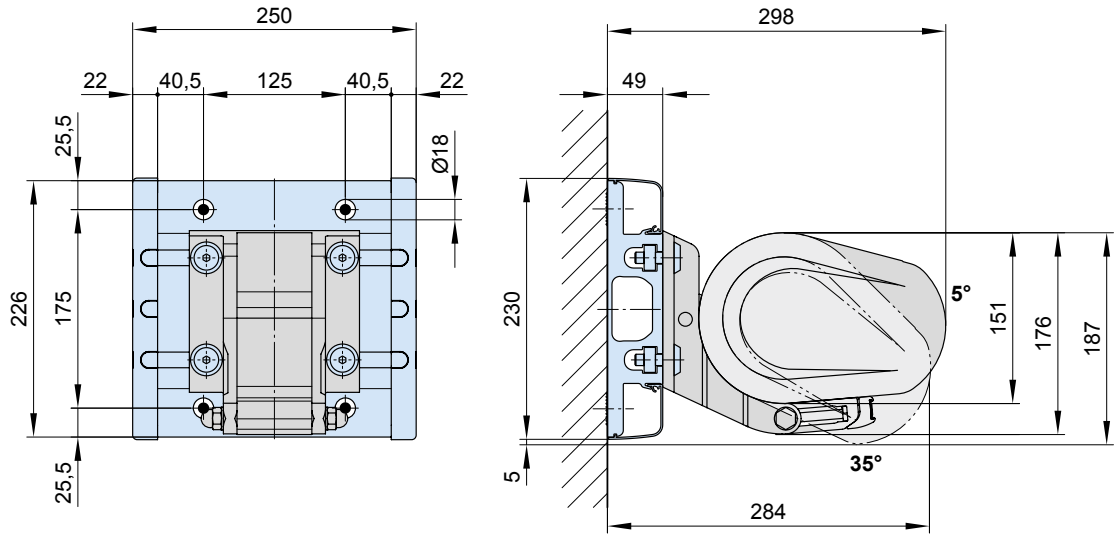
77921.



face fixture bracket
150 mm

38°–65°

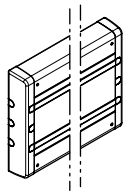
77936.



dimensions in mm

Face fixture with markilux panel continuous

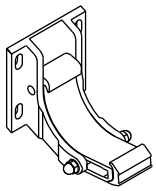
Fixtures, fittings and accessories



markilux panel continuous

with decorative profiles and end caps

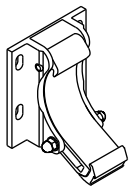
701104



face fixture bracket 150 mm

5°–35°

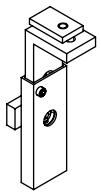
77921.



face fixture bracket 150 mm

38°–65°

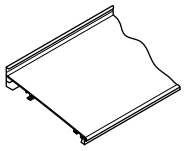
77936.



bracket wall sealing profile

small

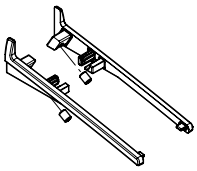
76468.



wall sealing profile incl. brush seal

by the metre

76385. and 704241.



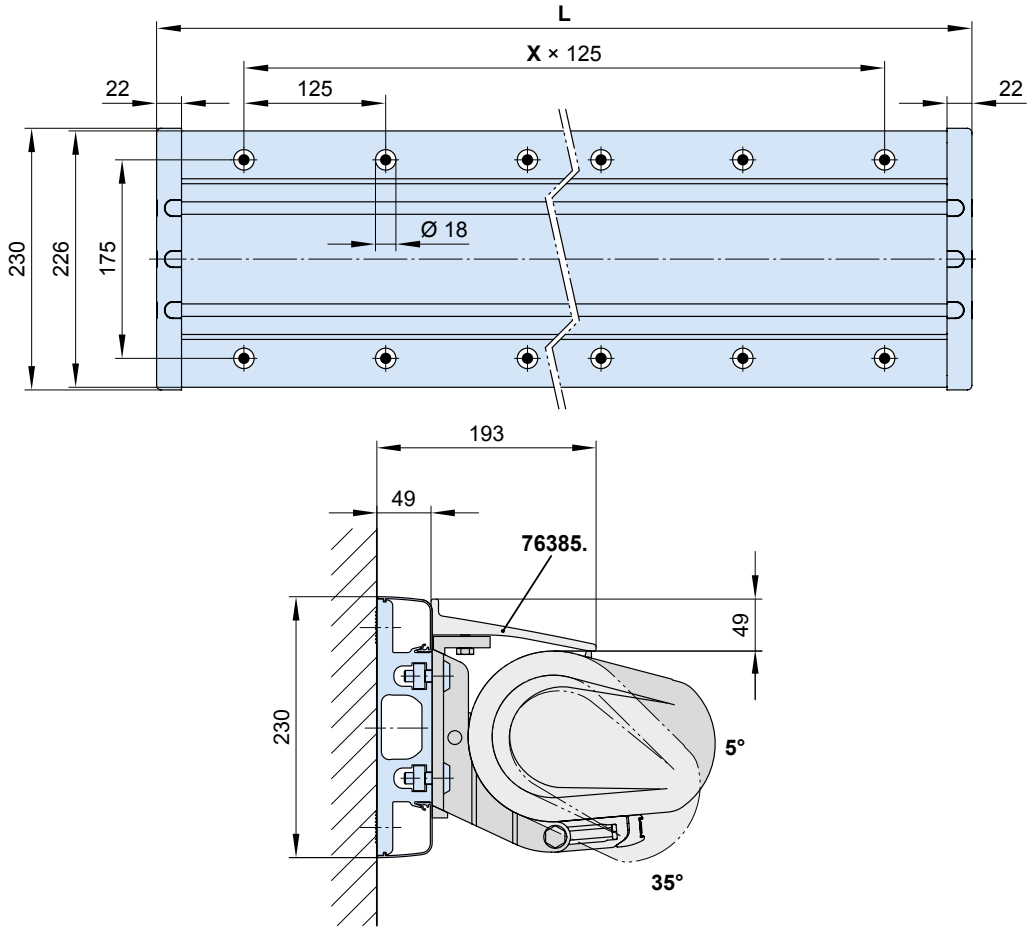
side cover profile for wall sealing profile

left and right

60919. and 60920.

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.

The technical drawing shows the fixture points and pull-out forces and must be approved in writing.

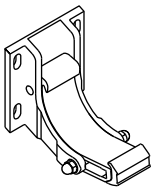


76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)
L = individual width, max. 7000 mm (standard L = M)
X = number of distances between the spots by way of example

dimensions in mm

Face fixture with stand-off bracket

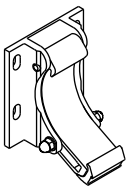
Fixtures, fittings and accessories



face fixture bracket
150 mm

5°–35°

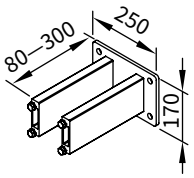
77921.



face fixture bracket
150 mm

38°–65°

77936.

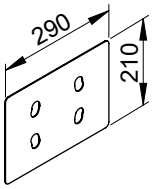


stand-off bracket
for face-fixture bracket
77921. und 77936.

80–300 mm

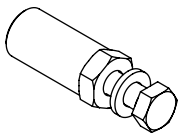
incl. insulating element

77969.



cover plate for spacer plate and stand-off brackets in the case of external insulation
290 × 210 × 2 mm

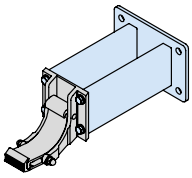
71841.

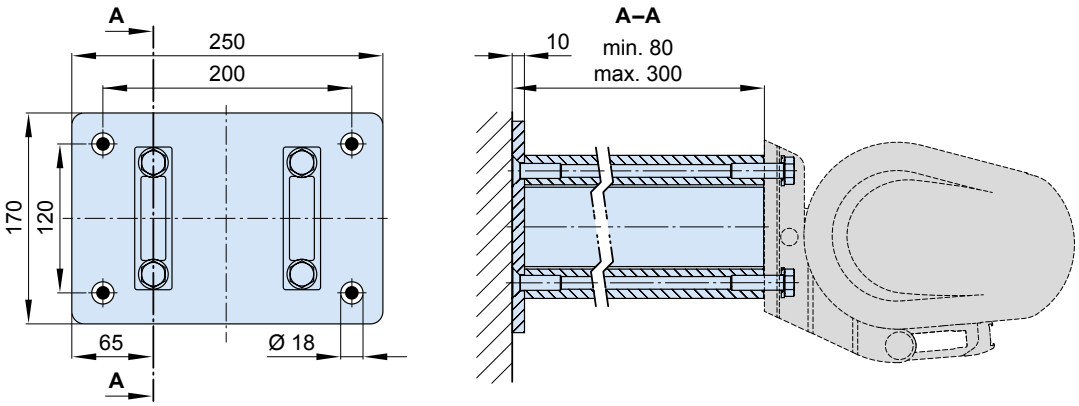


reduction bolt

pack 10 pcs

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

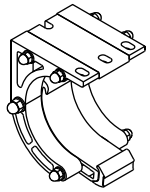




dimensions in mm

Top fixture

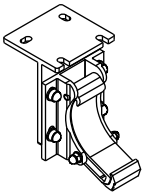
Fixtures, fittings and accessories



top fixture bracket
135 mm

5°–35°

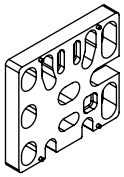
77937.



top fixture bracket
150 mm

38°–65°

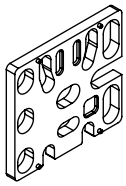
77938.



spacer plate
for face/top fixture
150 × 136 × 20 mm

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

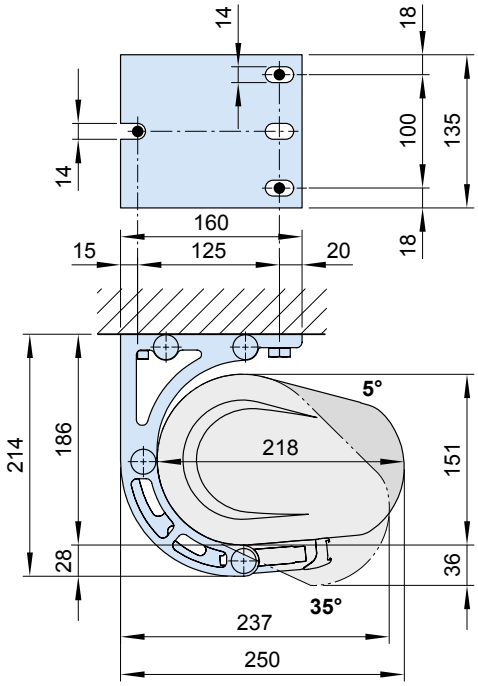
716331



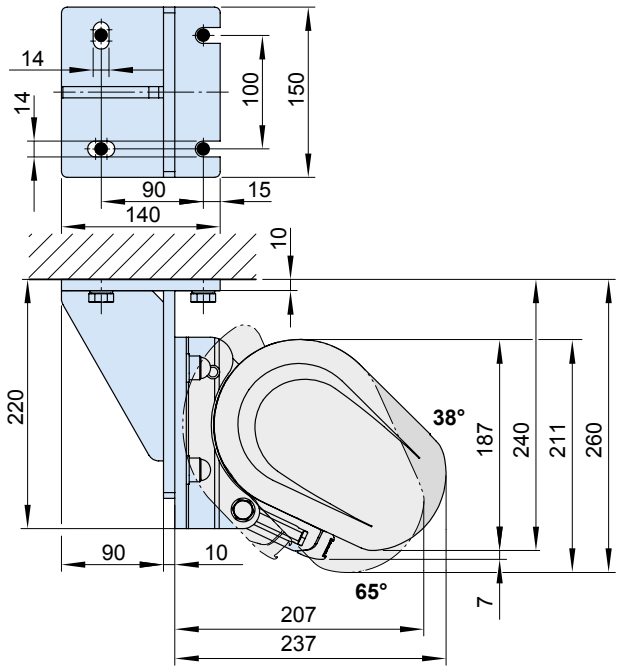
spacer plate for face fixture
150 × 136 × 12 mm

71644.

With top fixture bracket 135 mm 5°–35° (77937.)



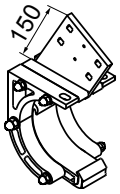
With top fixture bracket 150 mm 38°–65° (77938.)



dimensions in mm

Eaves fixture

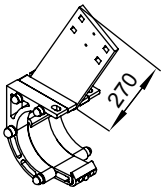
Fixtures, fittings and accessories



eaves fixture bracket
150 mm, 5°–35°

height of flat plate
150 mm

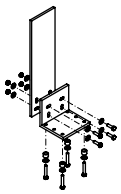
77939.



eaves fixture bracket
150 mm, 5°–35°

height of flat plate
270 mm

77940.

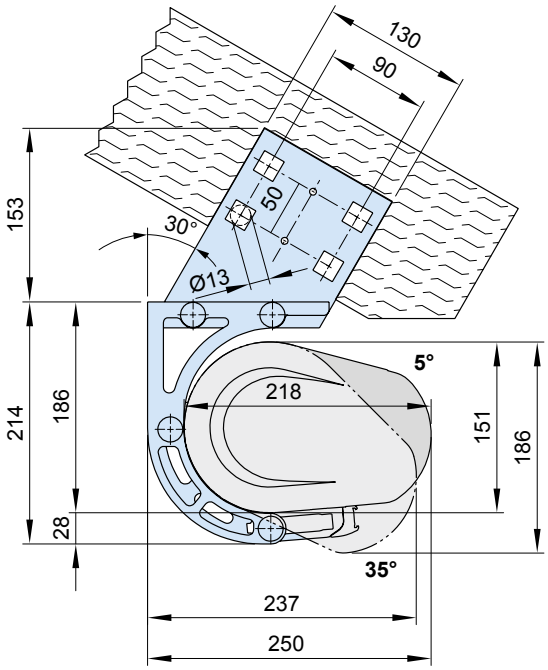


angle and plate for
eaves fixture
machine finish

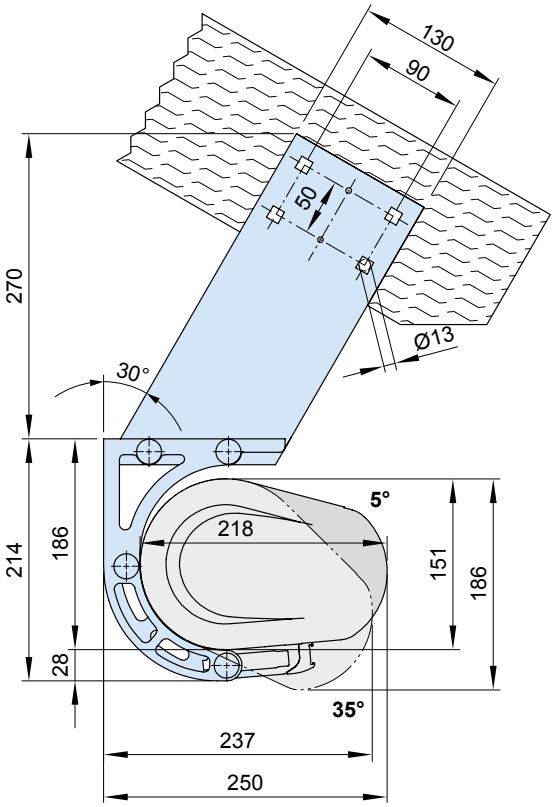
height of flat plate
500 mm

741290

With eaves fixture bracket 150 mm (77939.)



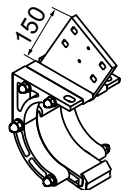
With eaves fixture bracket 270 mm (77940.)



dimensions in mm

Eaves fixture with additional plate

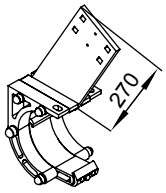
Fixtures, fittings and accessories



eaves fixture bracket
150 mm, 5°–35°

height of flat plate
150 mm

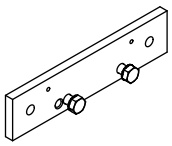
77939.



eaves fixture bracket
150 mm, 5°–35°

height of flat plate
270 mm

77940.

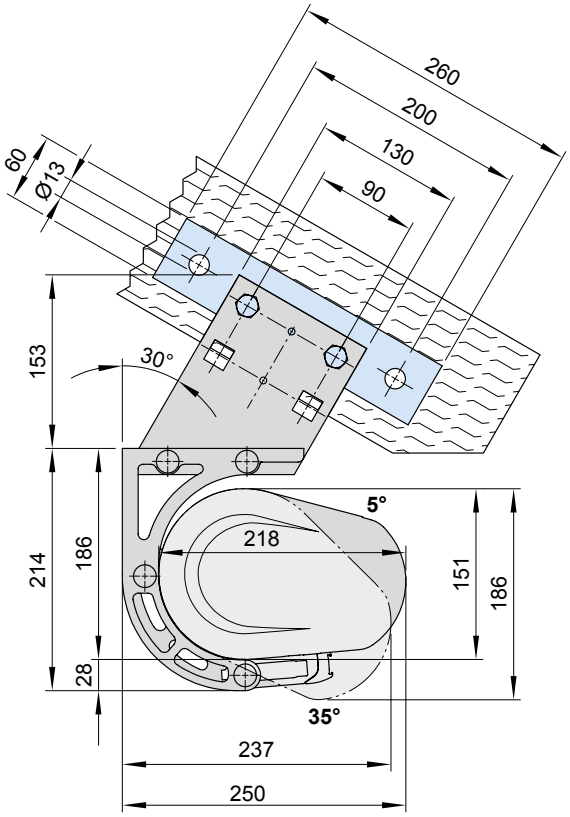


supplementary flat plate
for eaves fixture

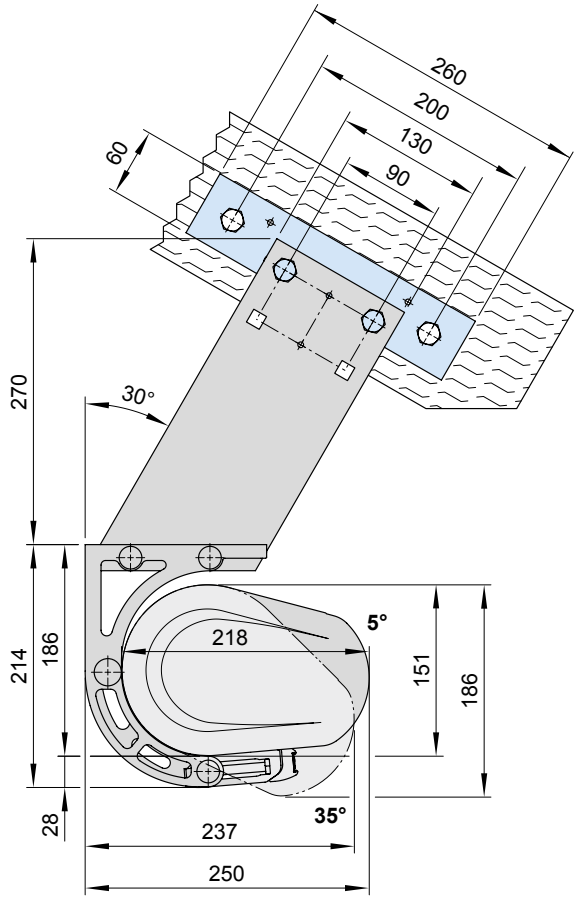
260 × 60 × 12 mm

75383.

With eaves fixture bracket 150 mm (77939.)



With eaves fixture bracket 270 mm (77940.)

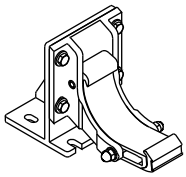


dimensions in mm

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

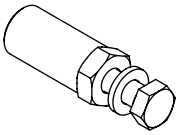
Bottom fixture

Fixtures, fittings and accessories



bottom fixture
150 mm, 5°–35°

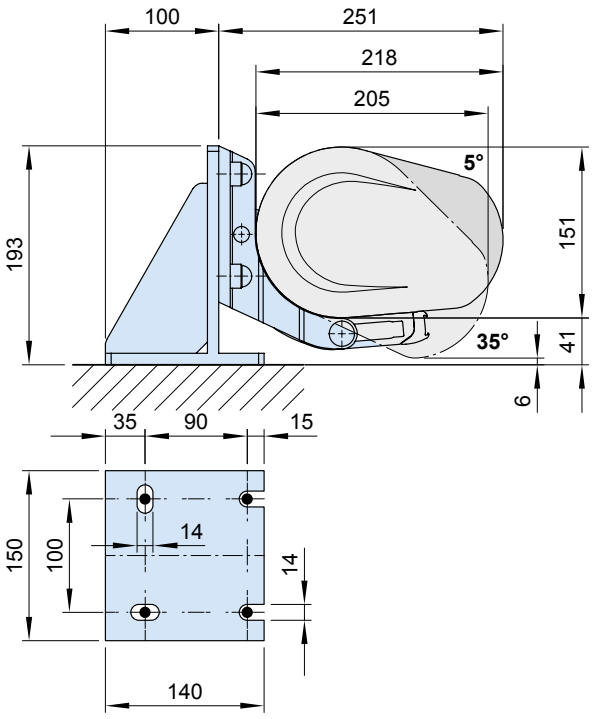
77941.



reduction bolt

pack 10 pcs

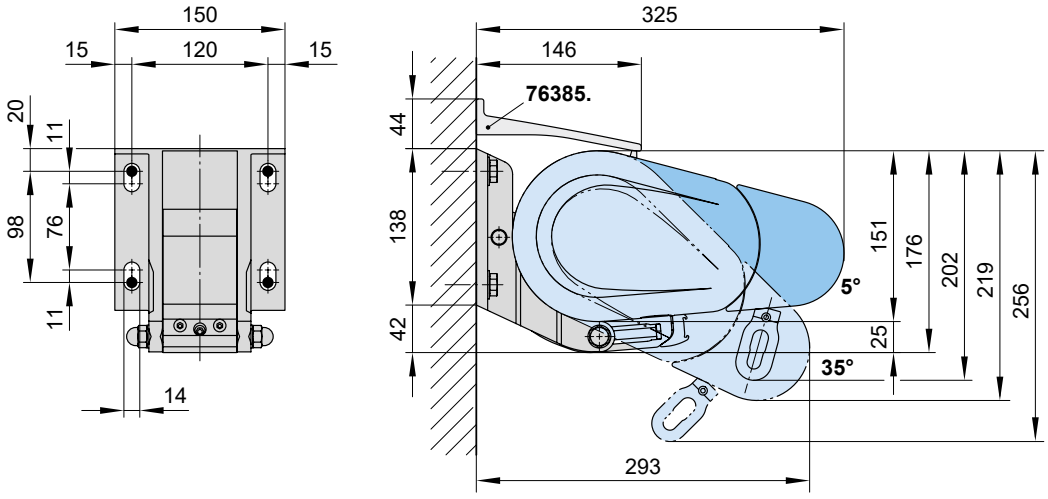
M 16 → M 12 | M 16 → M 10 | M 12 → M 10 | M 10 → M 10



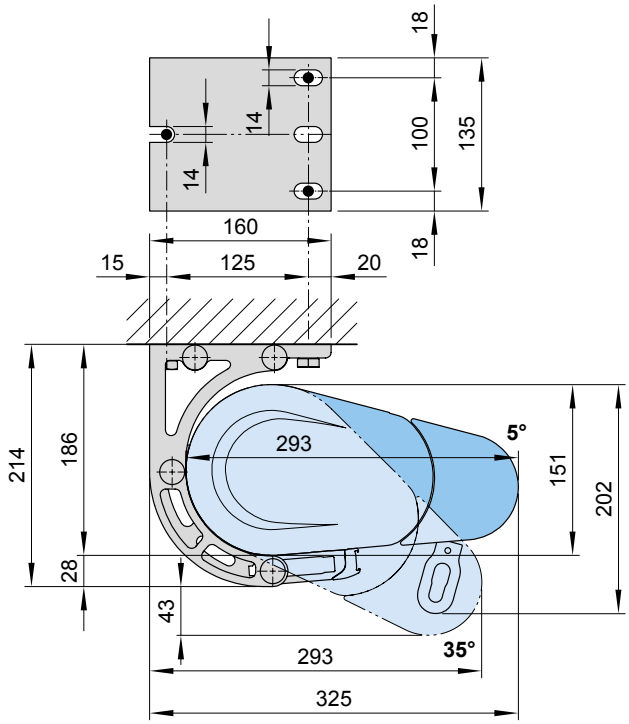
dimensions in mm

Awning with shadeplus

Face fixture



Top fixture

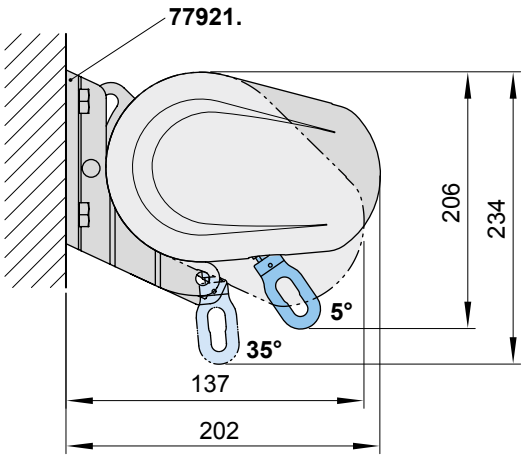


76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)

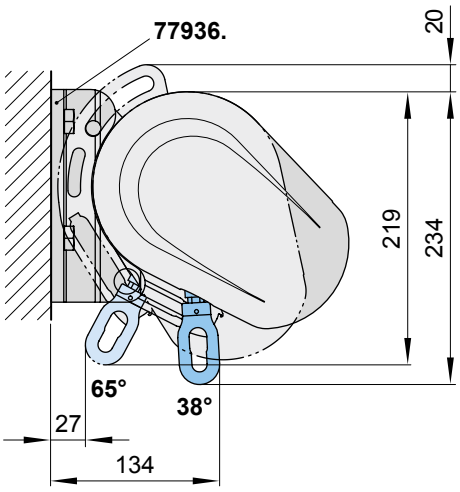
dimensions in mm

Face fixture, manual operation, Gearbox eye positions

Dimensions at pitches between 5°–35°



Dimensions at pitches between 38°–65°

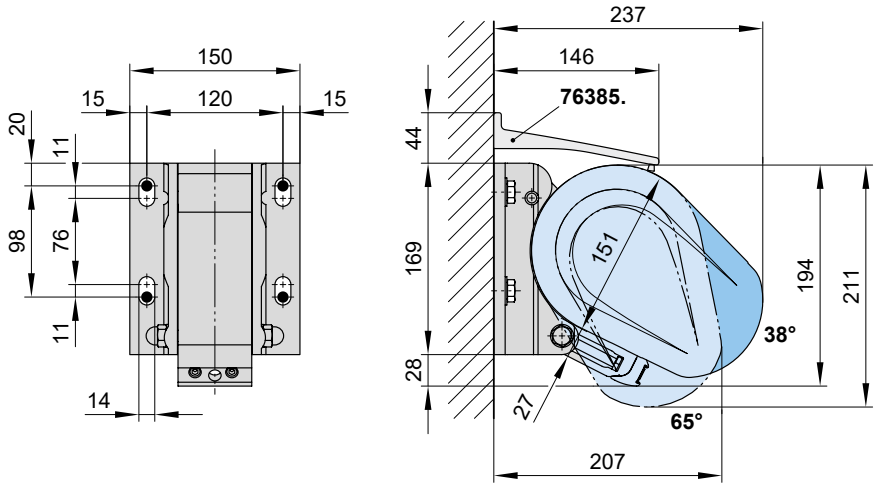


77921. = face fixture brackets 150 mm, 5°–35°
77936. = face fixture brackets 150 mm, 38°–65°

dimensions in mm

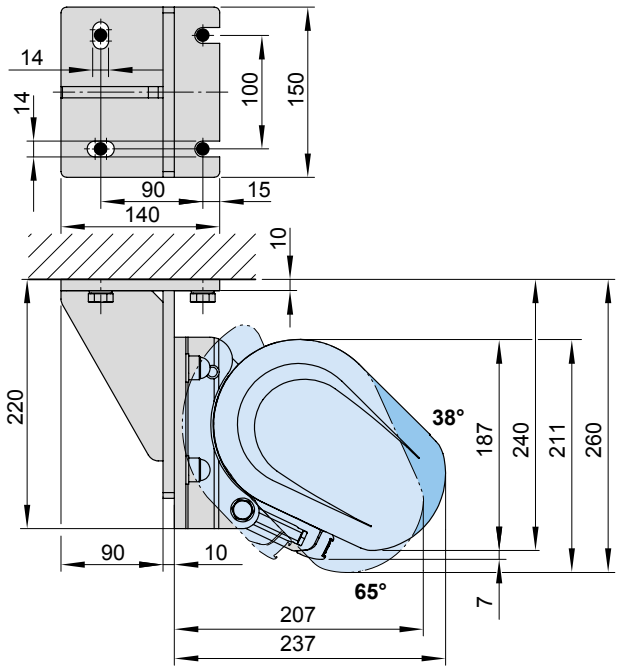
Top fixture, motor operation

Dimensions at pitches between 38°–65°



Top fixture, motor operation

Dimensions at pitches between 38°–65°

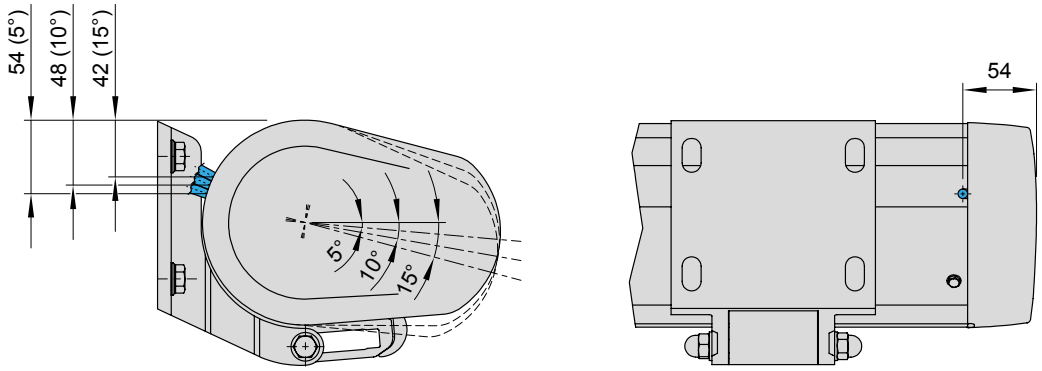


76385. = wall sealing profile (standard width = awning width (**M**); up to a maximum awning pitch of 65°)

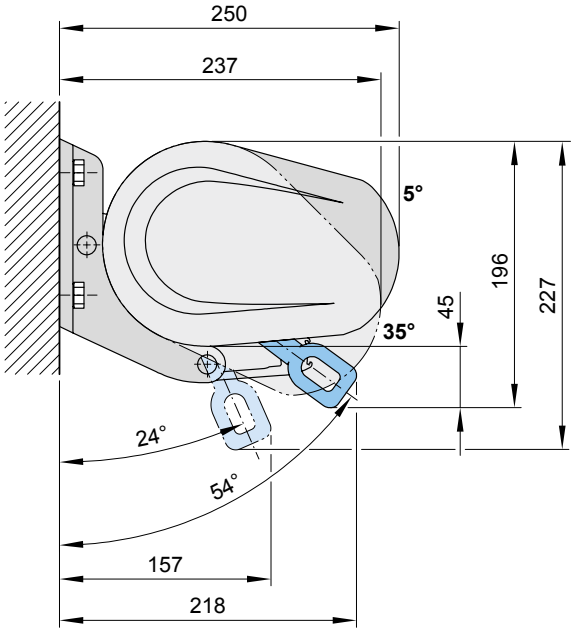
dimensions in mm

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17

Motor cable exit point



Face fixture, radio-controlled motor with manual override



dimensions in mm