



Exterior Awning

markilux 8800 / 8800 tracfix

Modern, timeless design and technology thought through to the very last detail – the extremely reliable shading solution for large areas.



product
design award

2013



German
Design Award

NOMINEE

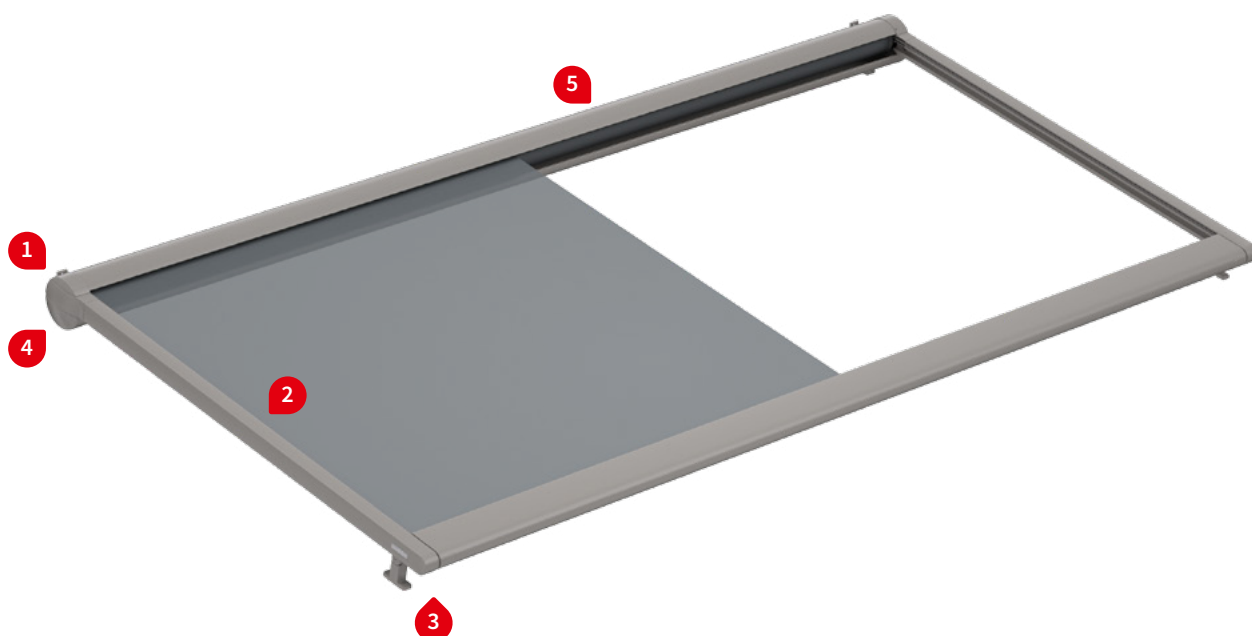
markilux.com

markilux
safe timeless beautiful

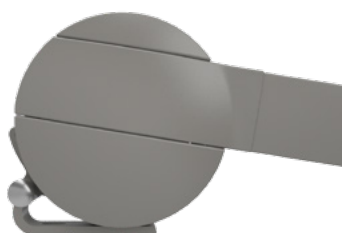
Product characteristics

Wind resistance class 3

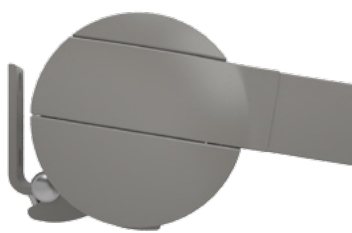
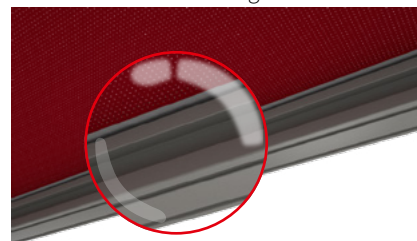
Beaufort 6 → 38–48 km/h → 10.5–13.4 m/s → 24–30 mph



1 bottom fixture



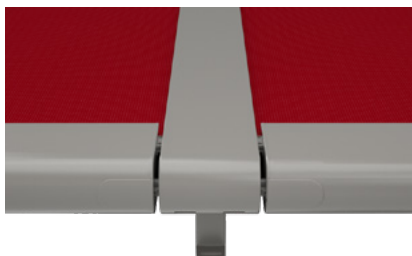
1 face fixture

2 tracfix ¹⁾ cover guidance – no gap between cover and guide track

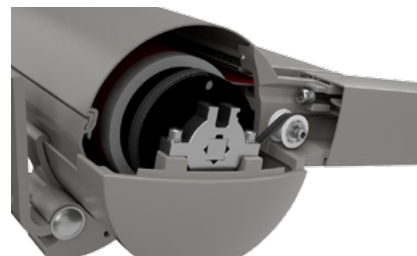
3 front profile finishes flush with the end of the guide tracks



3 coupling track



4 maintenance opening in the cassette



4 awning retracted, all round cover protection

5 wall sealing profile ¹⁾ effective up to a maximum pitch of 15°

1) optional configuration

Product characteristics

Description

- exterior awning for conservatories, glass canopies and large skylights. The ingenious tensioning system and the sturdy design allow areas of up to 36 m² to be shaded by one awning (with tracfix system 30 m²) – up to 5 awnings can be coupled together.

Special features

- fully encompassing cassette that protects the cover perfectly
- the awning cover is bonded with stabilising vertical panel joints – in the case of the series sunvas, sunsilk and perla the standard panel width is 60 cm (in perfotex 120 cm, in Soltis 92 88.5 cm and transolair 84 cm) – in order to achieve the optimum overall cover tension and stability
- option tracfix, the continuous lateral cover guidance system that leaves no gap between the cover and guide tracks – gives improved wind stability and a cleaner appearance
- option of a silentec motor – motor noise is appreciably reduced
- tried and tested tensioning system with drive belts and integrated gas pistons – delivers optimum cover tension in any phase of extension
- the broad range of brackets with patented clip-on system offers individual fixture solutions
- can be combined perfectly with the awning system markilux construct

Dimensions

- single unit: 60–700 cm in width, maximum extension 700 cm (depending on the width)
- maximum dimensions, width × extension: 500 cm × 700 cm / 550 cm × 650 cm / 600 cm × 600 cm / 650 cm × 500 cm / 700 cm × 450 cm (without tracfix system)
- maximum dimensions, width × extension: 500 cm × 600 cm / 550 cm × 500 cm / 600 cm × 450 cm (with tracfix system)
- intermediate sizes are available

Roller tube and lateral bearings

- round roller tube Ø 95 mm with keyway, galvanised steel – excellent stability, ensures near perfect cover performance even at the largest widths
- the roller tube bearing is made of die-cast aluminium

Awning profiles

- extruded aluminium, in façade quality, powder coated
- cassette profile in two pieces, round, Ø 187 mm
- guide tracks angular, width × height 60 mm × 70 mm (coupled unit 116 mm × 70 mm)
- front profile rounded at the front, height × depth 70 mm × 150 mm

Side caps

- the cassette end caps with opening for guide tracks are made of die-cast aluminium, powder coated
- the top maintenance cover is made of high-quality plastic, powder coated
- the front profile end caps are made of high-quality plastic, powder coated

Fixture brackets

- extruded aluminium, powder coated
- cassette brackets: bottom fixture, face fixture, top fixture
- brackets for the guide tracks: stand-off brackets for bottom fixture, lateral fixture, reveal fixture
- standard bracket heights: 100 mm / 140 mm / 100–500 mm (bespoke heights can be ordered)
- track-only fixture of the awning is possible up to a fixture width of 600 cm without any housing support
- other accessories are available

Frame colours

markilux frame colours without surcharge

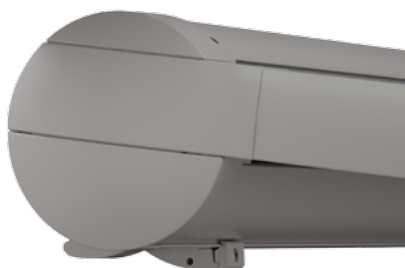
traffic white RAL 9016



metallic aluminium RAL 9006



grey brown, similar to RAL 8019

off-white textured finish, 5233 ¹⁾stone grey metallic, 5215 ¹⁾anthracite metallic, 5204 ¹⁾Havana brown textured finish, 5229 ¹⁾

Non-standard powder-coated finish

Bespoke frame colours at a surcharge – matt, metallic and pearl finishes as well as other colour ranges (DB, Tiger etc.) on request. All frame colours are available at a surcharge with enhanced corrosion protection.

¹⁾ textured finish

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

Dimensions and configuration options

Single unit

		Awning fixture width												Minimum fixture width	
		150	200	250	300	350	400	450	500	550	600	650 ¹⁾	700 ¹⁾	Hard-wired motor	Radio-controlled motor
Order dimensions		77 150	151 200	201 250	251 300	301 350	351 400	401 450	451 500	501 550	551 600	601 650	651 700		
H	150													60 [73]	70 [83]
	200														
	250														
	300														
	350														
	400 ²⁾		
	450 ²⁾		
	500 ²⁾	—		
	550 ²⁾	—	—		
	600 ²⁾	—	—		
	650 ²⁾	—	—	—		
	700 ²⁾	—	—	—	—		

dimensions in cm

1) = depending on the fixture combination, an additional central cassette support is required from a fixture width of 601 cm, and a central support for any cover support tube from a fixture width of 451 cm.

2) = from an extension of 401 cm, an additional track bracket per track is required

• = 1 cover support tube, if unit is without tracfix

•• = 2 cover support tubes, if unit is without tracfix

[...] = dimensions in the case of tracfix units

H = extension

	= tracfix (optional)
	= tracfix ist not available

Operation

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

Awning cover

Awning cover	fabric range no.	standard	optional
sunvas ¹⁾	301.. / 309..–315..	✓	—
perla ^{1) 5)}	370 ..	—	✓
sunsilk ¹⁾	324.. / 325.. / 328.. / 369..	✓	—
perla FR ^{1) 5)}	374.. / 375..	—	✓
perfortex ²⁾	331.. / 332..	✓	—
transolair ^{3) 6)}	338..	—	✓
vuscreen Alu	317..	—	—
Soltis Perform 92 ⁴⁾	92-20..	—	✓
glass fibre screen	272..	—	—

Standard panel widths

- 1) 60 cm 3) 84 cm 5) only for tracfix units
 2) 120 cm 4) 88,5 cm 6) max. projection 600 cm

Coupled Awning

2–5 fields, 1 motor per field
alternatively 2 fields, 1 motor / 3 fields, 2 motors / 4 fields, 2 motors
maximum field dimensions: see dimension overview for a single unit

General information

Different extensions in coupled awnings are available. In different awning widths, the rolling up characteristics of the covers may also be visually different. This affects neither the functionality of the awning nor the service life of the cover.

Shadeplus / drop valance

not available

Optional accessories

tracfix – the cover is held in the guide tracks by a zip
storm safety bracket for the cassette
wall sealing profile
more than one motor in coupled units which can be operated independently of one another
automatic controls (light, wind, rain)

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

Coupled unit 2 fields ⁴⁾

Overall width

Coupled unit 3 fields ⁴⁾

Overall width

- 1) = maximum fixture width of 1650 cm
- 2) = maximum fixture width of 1950 cm
- 3) = the cassette will be supplied in one piece as standard. If, for transportation or installation reasons, the cassette needs to be split, please note this explicitly when ordering.
- 4) = maximum field dimensions: see dimension overview for a single unit
- = 1 cover support tube, if unit is without tracfix
- = 2 cover support tubes, if unit is without tracfix
- H = *order dimension* = extension

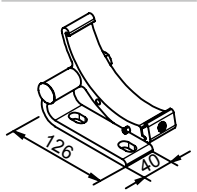
= tracfix (optional)

= tracfix not available

dimensions in cm

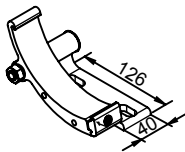
Fixtures, fittings and accessories

Bottom fixture brackets, cassette



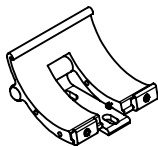
bottom fixture cassette bracket
left

76061.



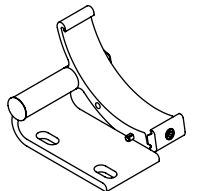
bottom fixture cassette bracket
right

76062.



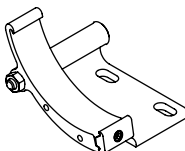
coupling bracket for the cassette bottom fixture

76180.



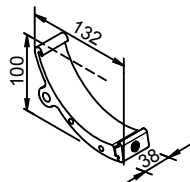
bottom fixture cassette bracket for reveal fixture
left

76077.



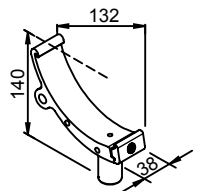
bottom fixture cassette bracket for reveal fixture
right

76078.



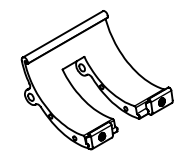
cassette support for track-only fixture
100 mm

76183.



cassette support for track-only fixture
140 mm

76184.



coupling bracket for the cassette in the case of rigid track-only fixture types 31 and 32

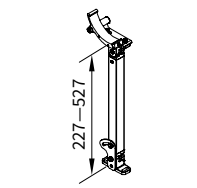
76069.



raised cassette bracket foot can be tilted backwards by up to 45°, head of cassette fixture bracket can be tilted forwards by up to 45°

76067.

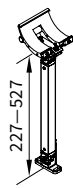
left



raised cassette bracket foot can be tilted backwards by up to 45°, head of cassette fixture bracket can be tilted forwards by up to 45°

76068.

right

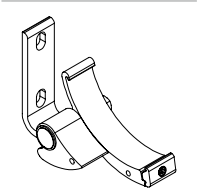


raised cassette bracket foot can be tilted backwards by up to 45°, head of cassette fixture bracket can be tilted forwards by up to 45°

76198.

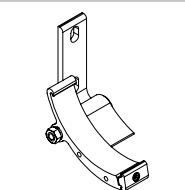
for coupling point bottom fixture

Bottom fixture brackets, cassette



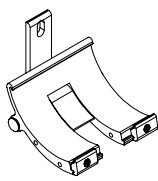
face fixture cassette bracket
left
5°-45° pitch adjustment range

76063.



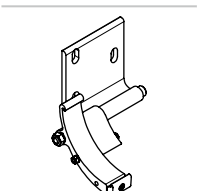
face fixture cassette bracket
right
5°-45° pitch adjustment range

76064.



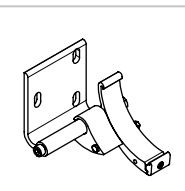
cassette coupling bracket face fixture
central
5°-45° pitch adjustment range

76181.



face fixture cassette bracket, wide
left
5°-45° pitch adjustment range

76231.



face fixture cassette bracket, wide
right
5°-45° pitch adjustment range

76232.

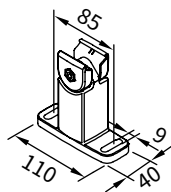


top fixture cassette bracket
5°-20° pitch adjustment range

77058.

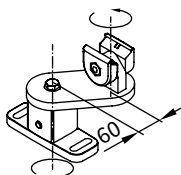
Fixtures, fittings and accessories

Track bracket



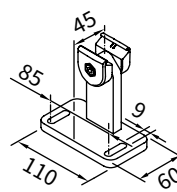
track bracket,
with adjustable head
100 mm

76046.



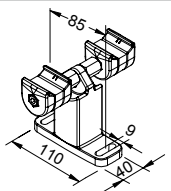
universal
track bracket
100 mm

76054.



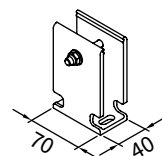
track bracket
with adapter plate
100 mm

76199.



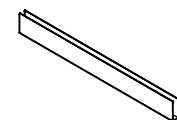
double track bracket,
with adjustable head
100 mm

76191.



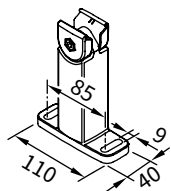
track bracket for rigid
track-only fixture

76017.



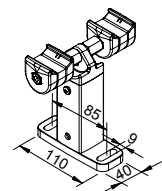
track bracket
for bottom fixture
available by the metre
undrilled
max. length 6 m

76013.



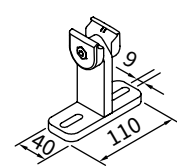
track bracket,
with adjustable head
140 mm

76048.



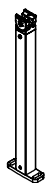
double track bracket
with adjustable head
140 mm

76192.



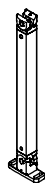
track bracket
for conservatory
transom fixture
100 mm

76055.



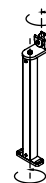
track bracket
with adjustable head
100–500 mm

76047.



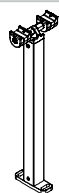
track bracket,
with adjustable head
and foot
200–500 mm

76045.



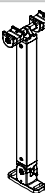
universal track bracket
with adjustable head
140–500 mm

76053.



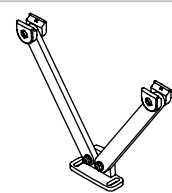
double track bracket,
with adjustable head
100–500 mm

76193.



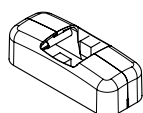
double track bracket
with adjustable head
and foot
200–500 mm

76194.



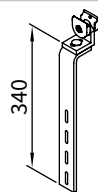
vario-V bracket for track
fixture 140–500 mm

76052.



decorative cap for square
track brackets
standard accessory for
bracket

76718.

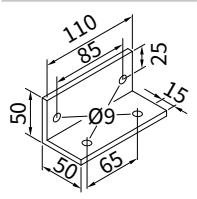
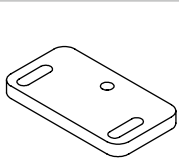
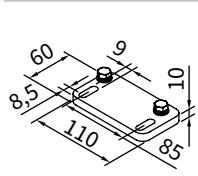
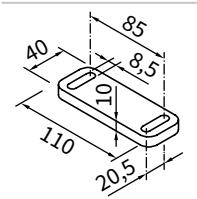
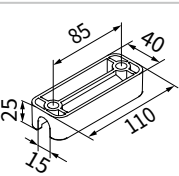
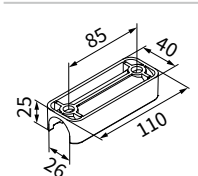
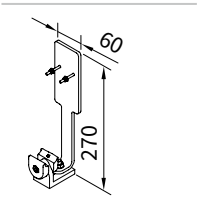
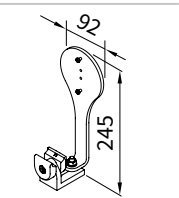
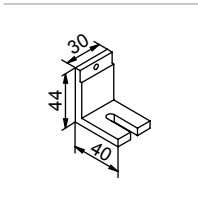
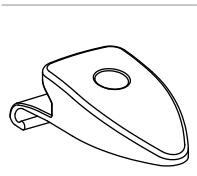
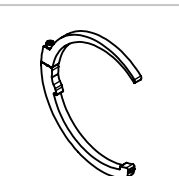
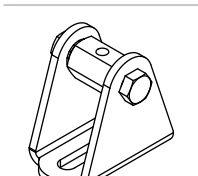
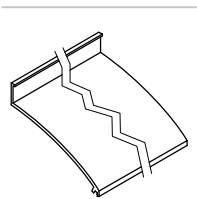
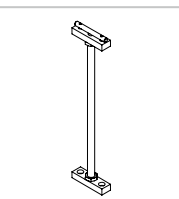


flat track bracket
for lateral fixture
with adjustable head

76049.

Fixtures, fittings and accessories

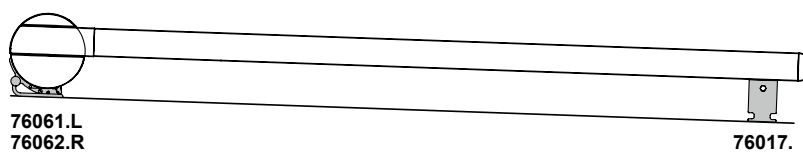
Accessories

 <p>angled adapter plate for rounded mullions L/R incl. fixture bolts required in addition to fixture combination 32</p> <p>76099.</p>	 <p>fixture plate 110 × 60 × 10 mm</p> <p>78158.</p>	 <p>adjustable foot plate for track bracket</p> <p>78165.</p>
 <p>spacer plate for track bracket 110 × 40 × 10 mm</p> <p>78570.</p>	 <p>track bracket assembly for track fixture directly to glass roof mullions (14 mm in width)</p> <p>76804.</p>	 <p>track bracket assembly for track fixture directly to glass roof mullions (25 mm in width)</p> <p>76805.</p>
 <p>bracket sun, wind or rain sensor</p> <p>76050.</p>	 <p>bracket Sun / wind sensor io</p> <p>76723.</p>	 <p>angled bracket to prevent deflection of the cover support tube, for bracket height 100 mm</p> <p>76065.</p>
 <p>storm safety clip / closing guide</p> <p>76235.</p>	 <p>storm safety bracket for the cassette (recommended in windy locations and as an additional safety measure for the cassette)</p> <p>76197.</p>	 <p>diagonal tensioning kit 4 wire tensioners, 1 tensioning wire (stainless steel)</p> <p>71790.</p>
 <p>wall sealing profile available by the metre see "Face fixture with wall sealing profile"</p> <p>77780.</p>	 <p>support bracket to prevent deflection of the cover support tube, can be shortened to between 70 mm and 320 mm (with clamp plate)</p> <p>71780.</p>	

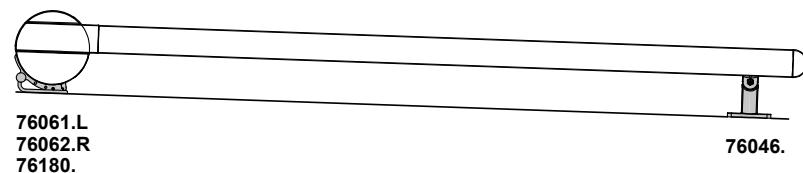
Fixture types

Bottom fixture

11



14

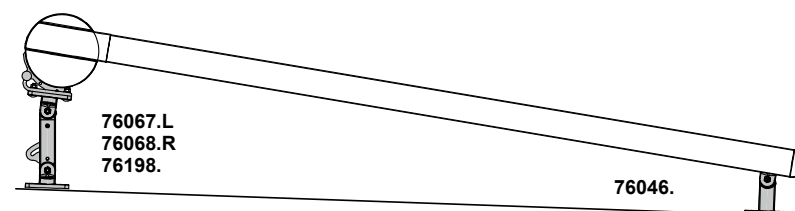


21



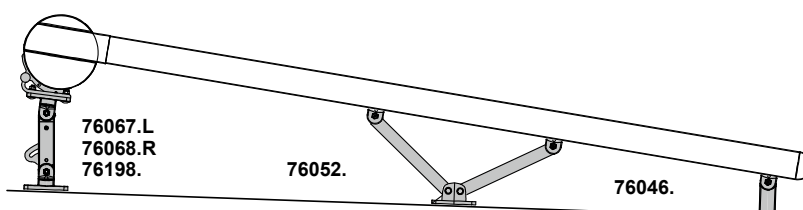
61

up to an extension
of 400 cm



81

from an extension
of 401 cm



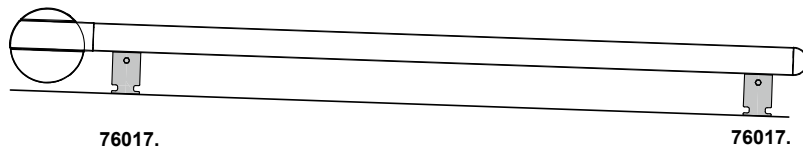
Range of individual bracket options: see "Fixtures, fittings and accessories".

Bottom fixture: in the case of extensions > 400 cm, 2 brackets per guide track. In the case of widths > 600 cm, an additional central cassette bracket or cassette support is required

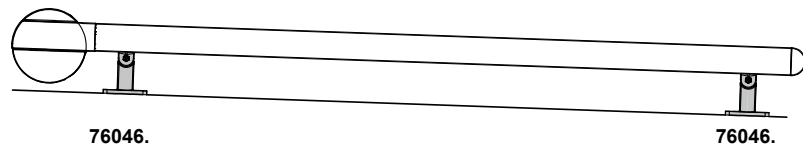
Fixture types

Track-only fixture

31



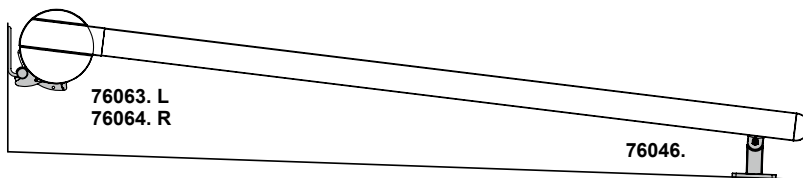
32



Face fixture

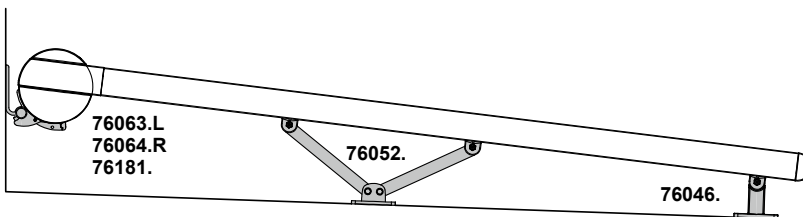
12

up to an extension
of 400 cm

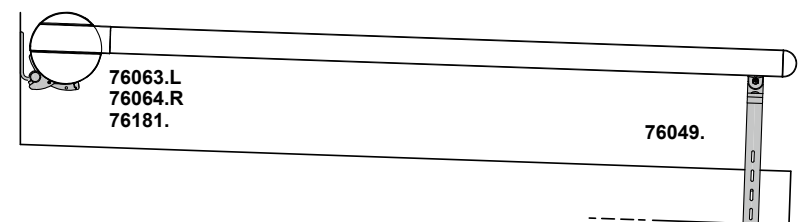


51

from an extension
of 400 cm



22



Range of individual bracket options: see "Fixtures, fittings and accessories".

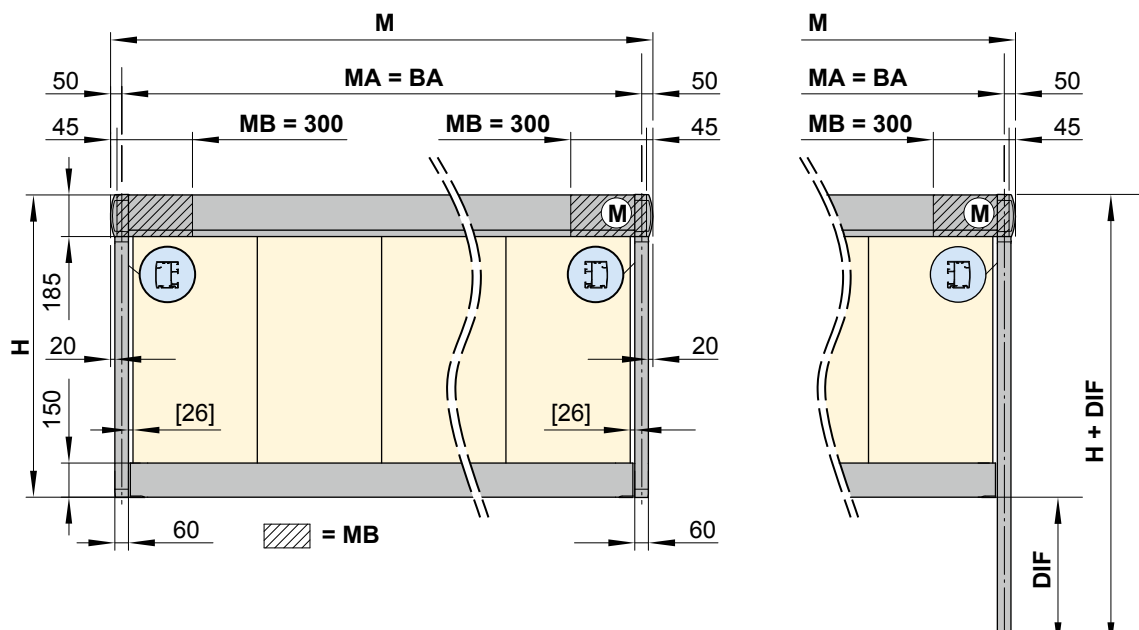
Track-only fixture: in the case of extensions > 400 cm, 3 brackets per guide track. In the case of widths > 600 cm, an additional central cassette bracket or cassette support is required

Face fixture: in the case of extensions > 400 cm, 2 brackets per guide track. In the case of widths > 600 cm, an additional central cassette bracket is required.

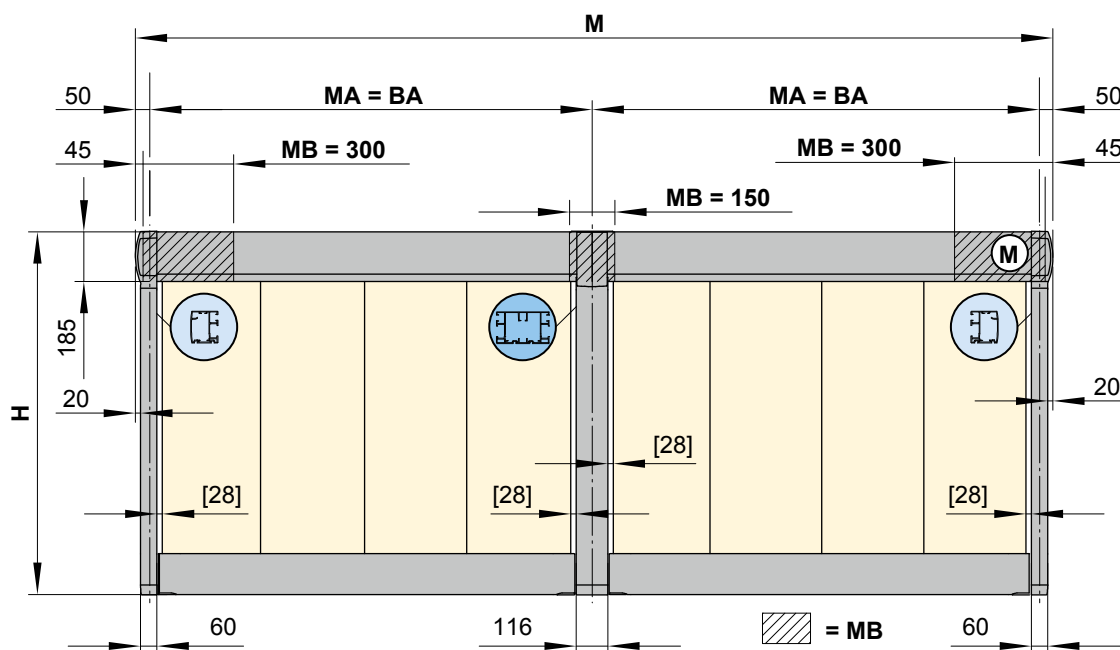
Overview of dimensions

Single unit 1 field, 1 motor

With asymmetrical guide
track extensions



Coupled unit, 2 fields, 1 motor



[...] = dimensions of the cover gap in a standard unit,
no cover gap in units with tracfix system

BA = width between fixture points

DIF = difference in measurement

H = *order dimension* = extension

M = overall awning width $MA + 100$ mm

MA = *order dimension* = awning fixture width = fixture width

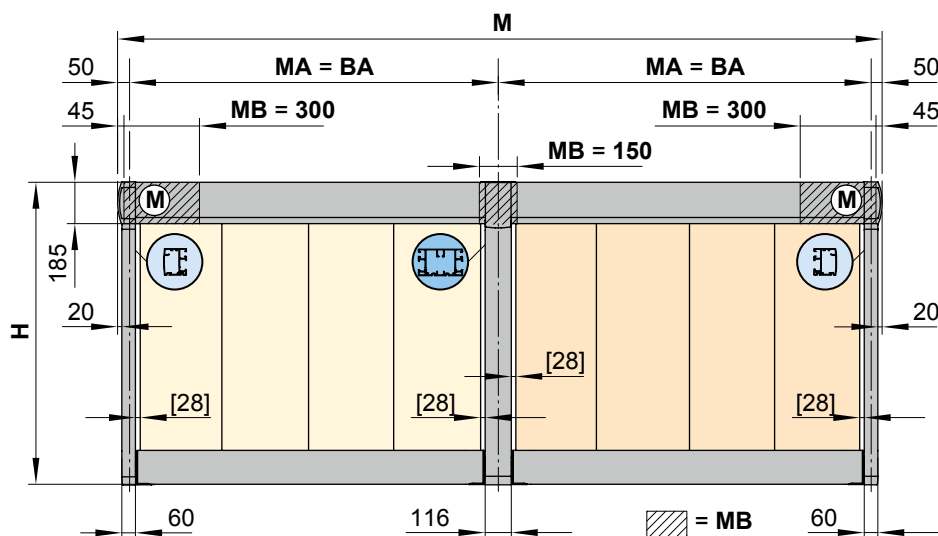
MB = bracket fixture range

(M) = motor

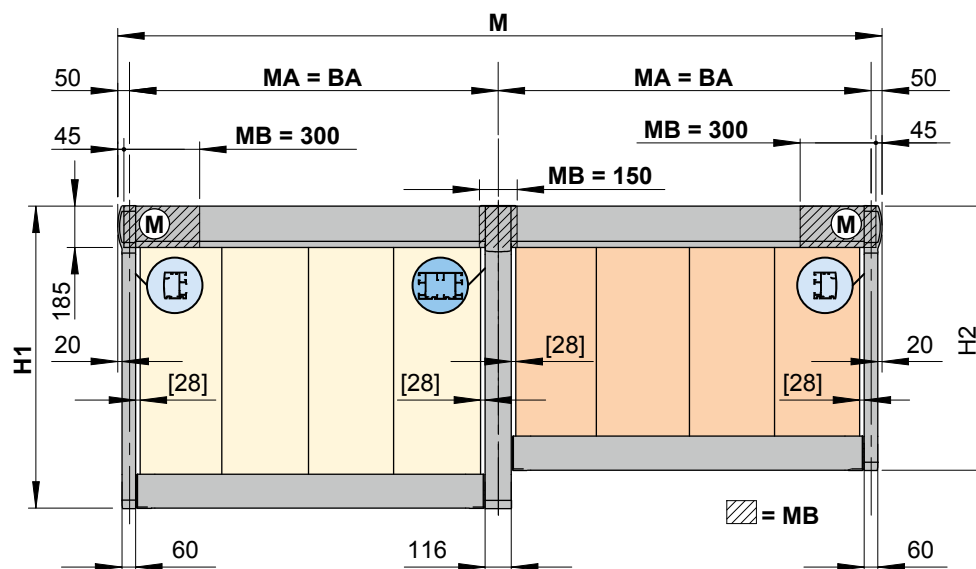
dimensions in mm

Overview of dimensions

Coupled unit, 2 fields, 2 motors



Coupled unit, 2 fields, 2 motors, asymmetrical guide track extensions



[...] = dimensions of the cover gap in a standard unit,
no cover gap in units with tracfix system

BA = width between fixture points

DIF = difference in measurement

H = *order dimension* = extension

H1 = longer extension

H2 = shorter extension

M = overall awning width MA + 100 mm

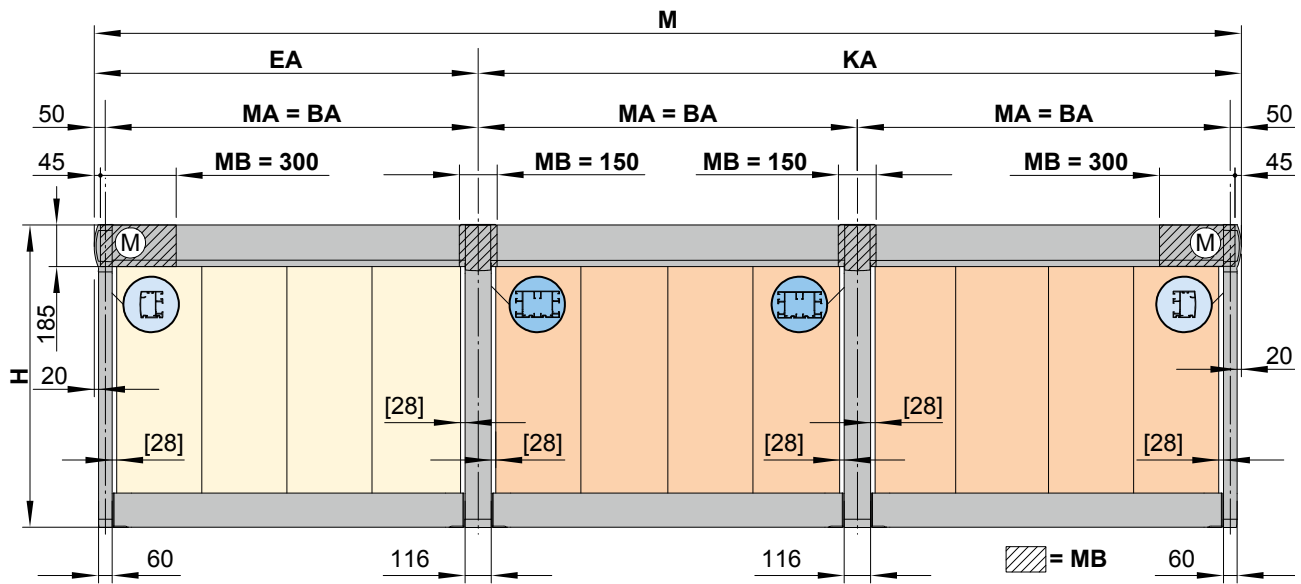
MA = *order dimension* = awning fixture width = fixture width

MB = bracket fixture range

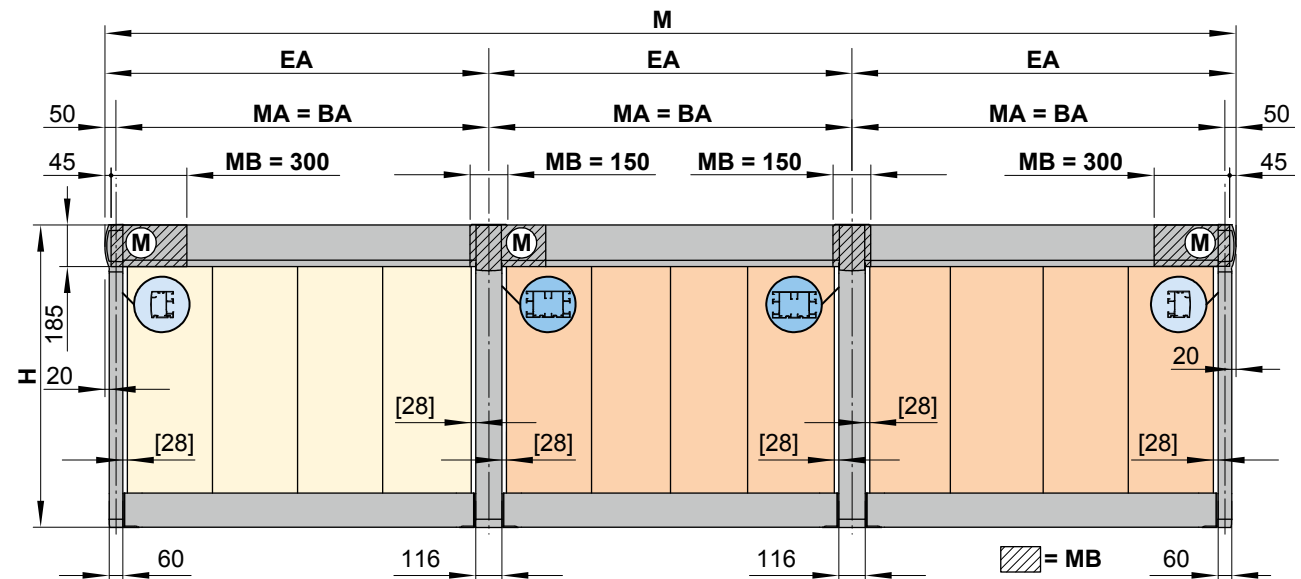
Ⓜ = motor

dimensions in mm

Coupled unit, 3 fields, 2 motors



Coupled unit, 3 fields, 3 motors



[...] = dimensions of the cover gap in a standard unit,
no cover gap in units with tracfix system

BA = width between fixture points

DIF = difference in measurement

EA = single unit

H = *order dimension* = extension

KA = coupled unit

M = overall awning width MA + 100 mm

MA = *order dimension* = awning fixture width = fixture width

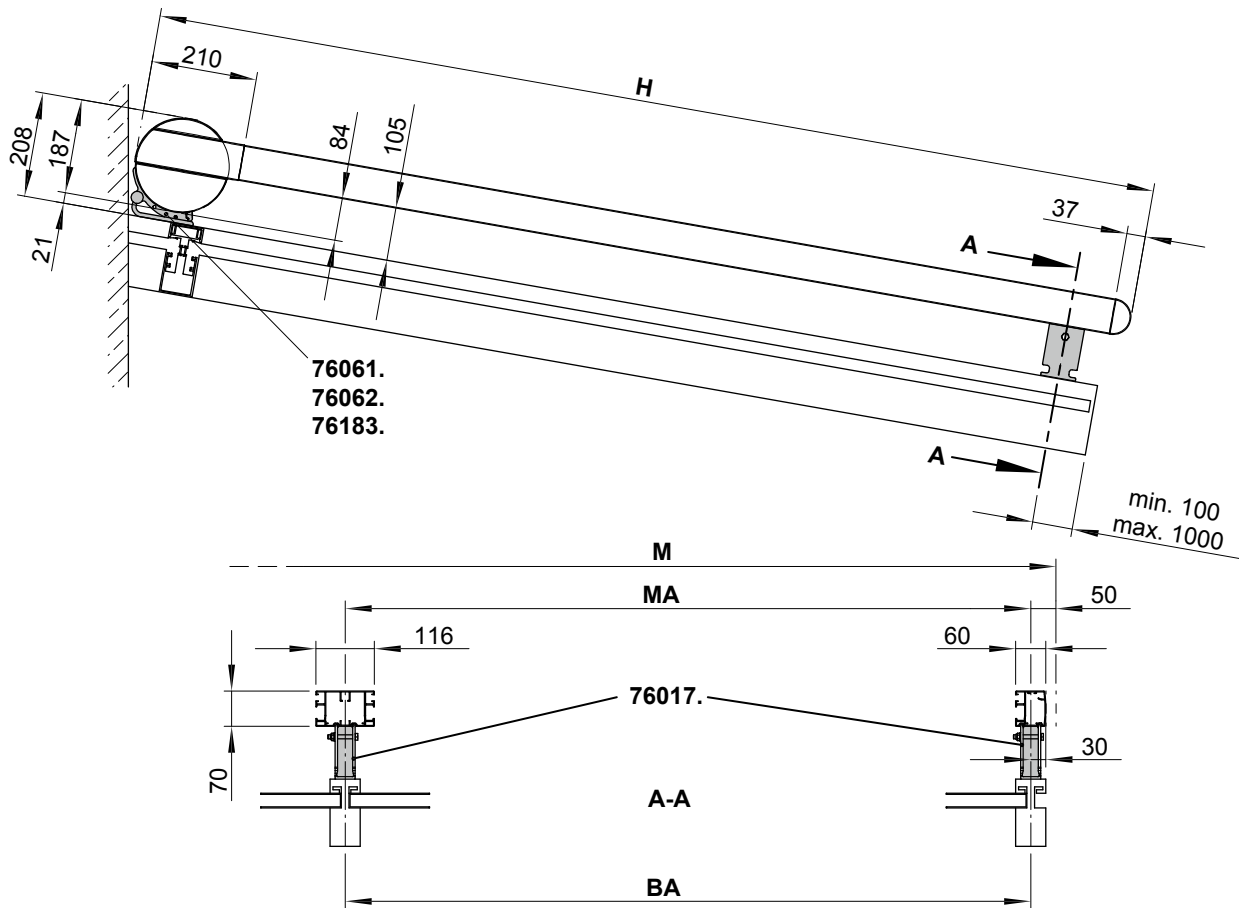
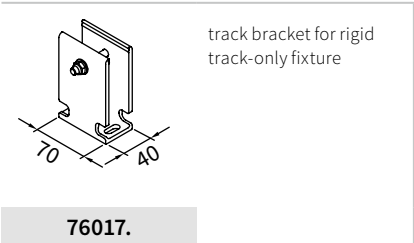
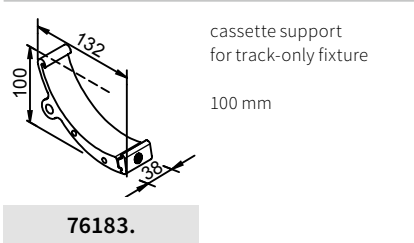
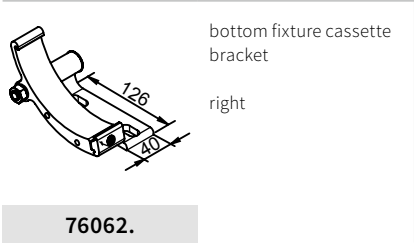
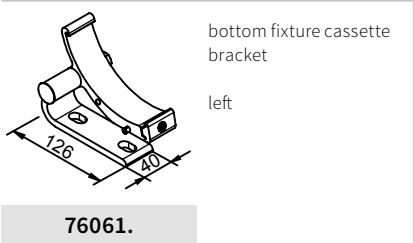
MB = bracket fixture range

Ⓜ = motor

dimensions in mm

Overview of dimensions, fixture type 11

Fixtures, fittings and accessories



- BA = width between fixture points
- H = *order dimension* = extension
- M = overall awning width
- MA = *order dimension* = awning fixture width = fixture width

dimensions in mm

Overview of dimensions, fixture type 14

Fixtures, fittings and accessories

bottom fixture cassette bracket
left

76061.

bottom fixture cassette bracket
right

76062.

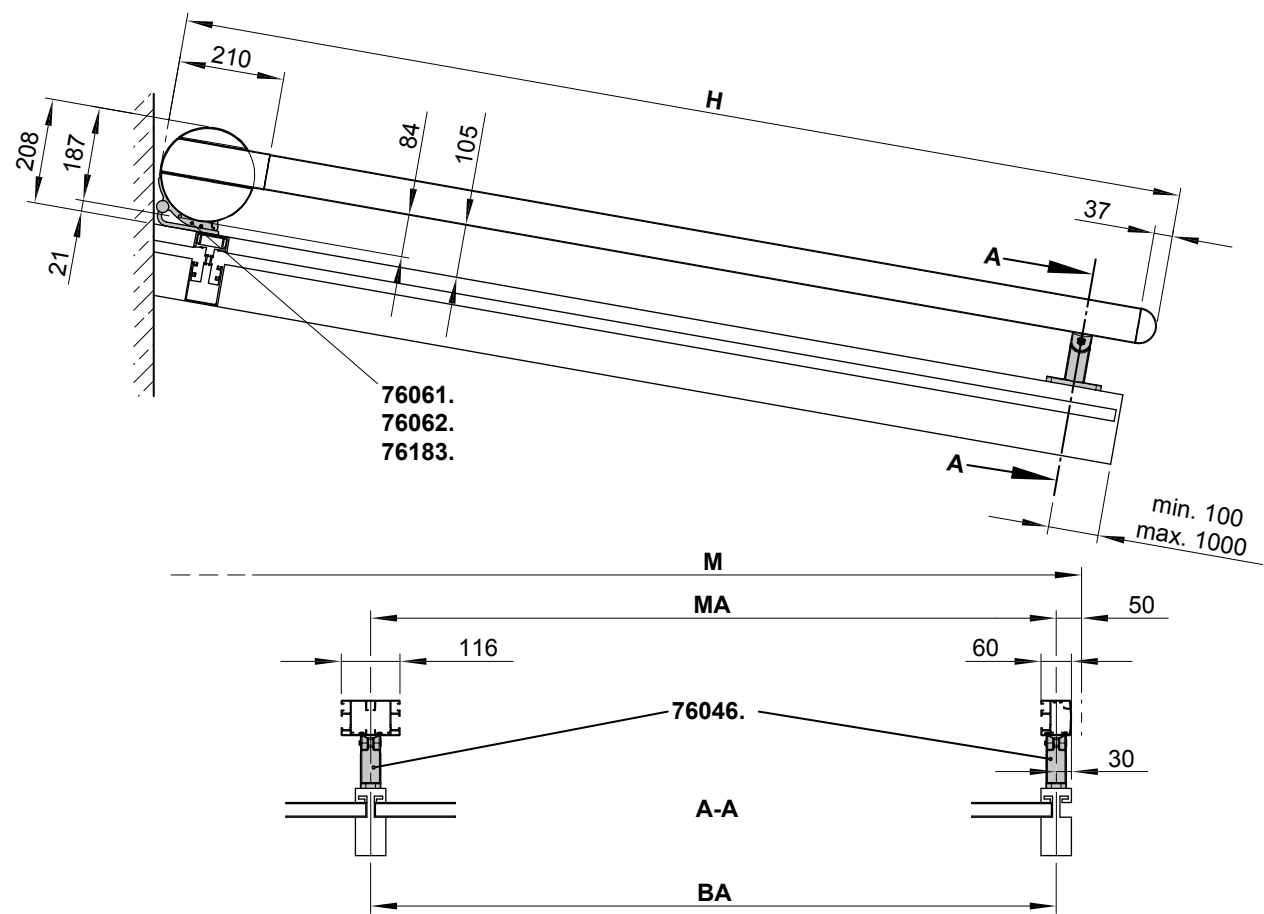
coupling bracket for the cassette, bottom fixture

76180.

track bracket, with adjustable head
100 mm

76046.

footprint dimensions
track brackets, with adjustable head

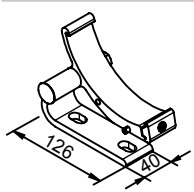


- BA** = width between fixture points
- H** = *order dimension* = extension
- M** = overall awning width
- MA** = *order dimension* = awning fixture width = fixture width

dimensions in mm

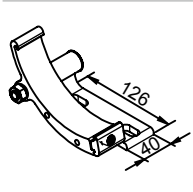
Overview of dimensions, fixture type 21

Fixtures, fittings and accessories



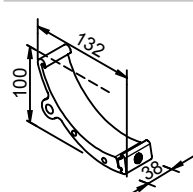
bottom fixture cassette bracket
left

76061.



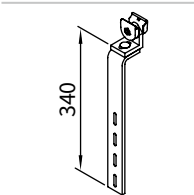
bottom fixture cassette bracket
right

76062.



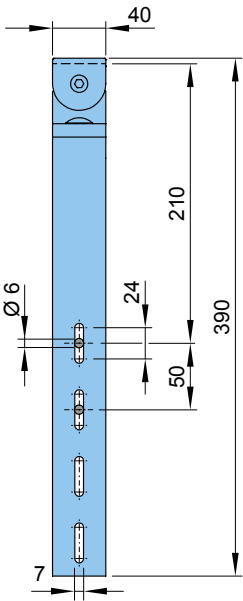
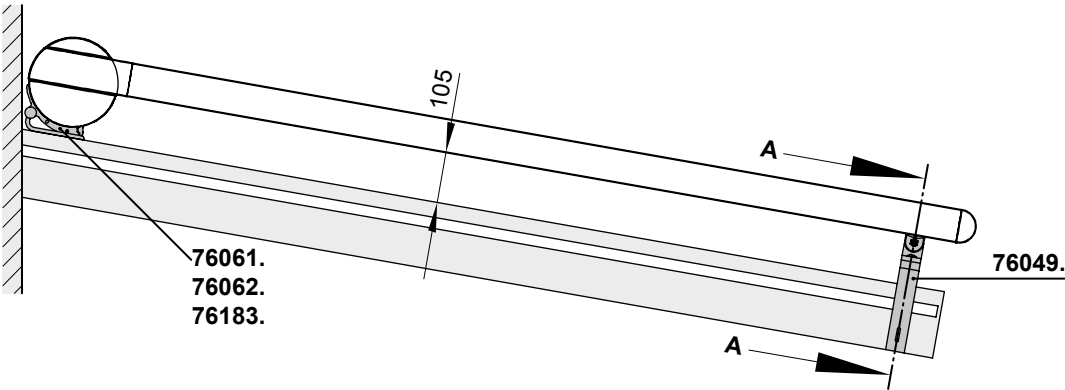
cassette support
for track-only fixture
100 mm

76183.



flat track bracket
for lateral fixture
with adjustable head

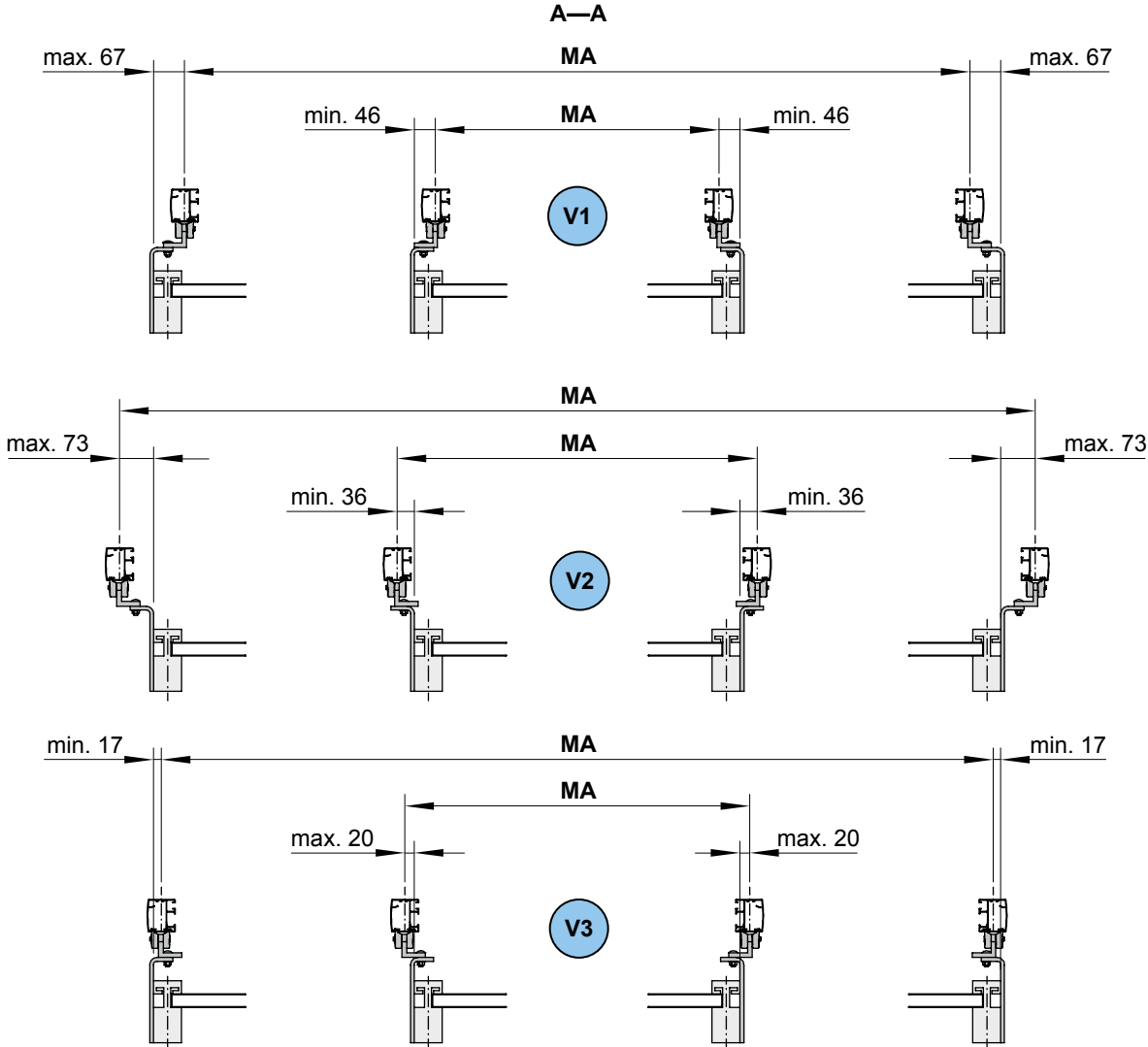
76049.



dimensions in mm

Overview of dimensions, fixture type 21

Alternative installation options



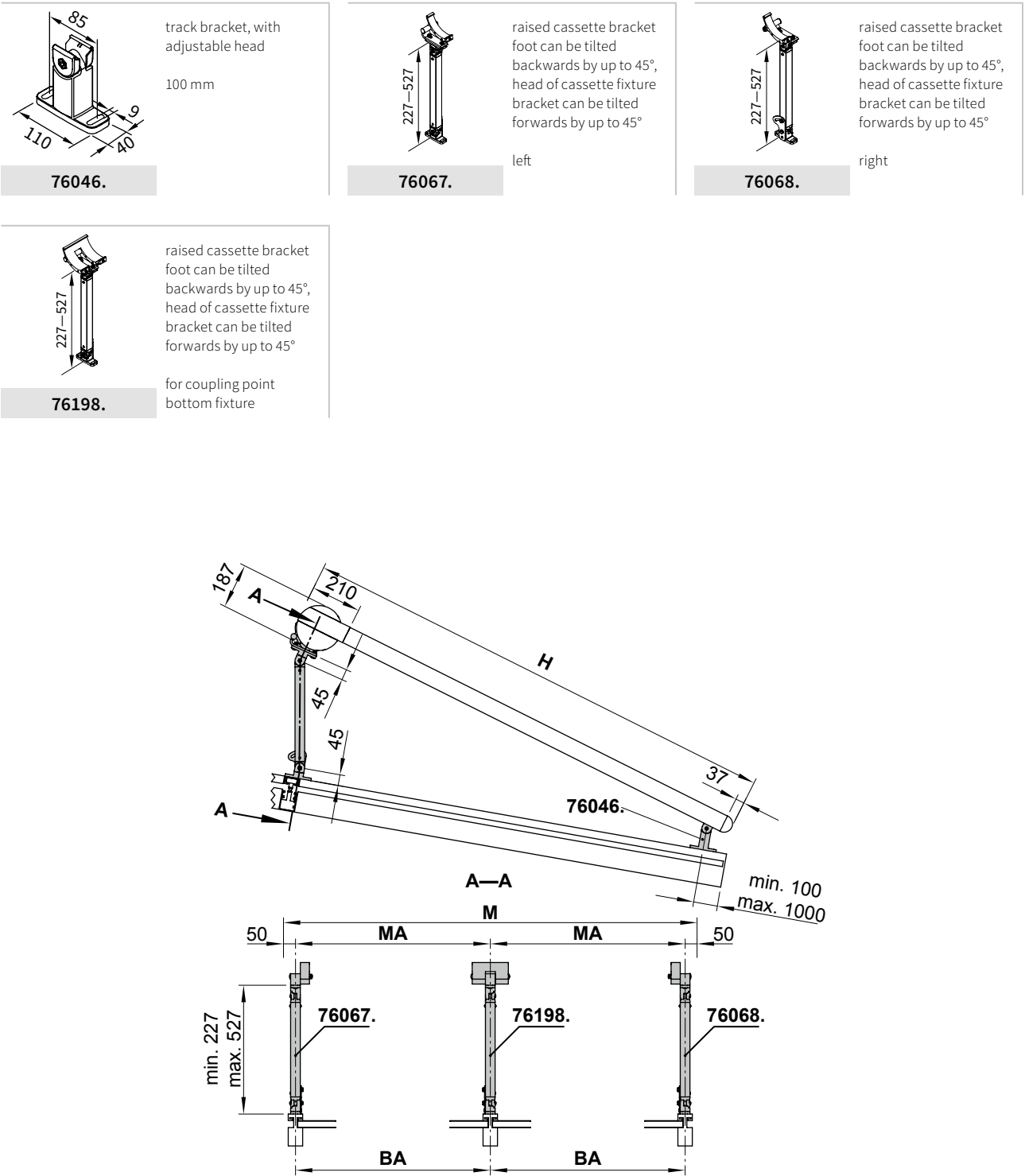
MA = order dimension = awning fixture width = fixture width

V1, V1, V3 = version

dimensions in mm

Overview of dimensiions, fixture type 61 (up to an extension of 400 cm)

Fixtures, fittings and accessories



BA = width between fixture points

H = *order dimension* = extension

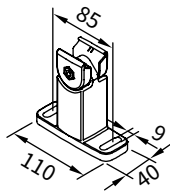
M = overall awning width

MA = *order dimension* = awning fixture width = fixture width

dimensions in mm

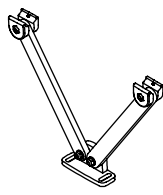
Overview of dimensions, fixture type 81 (from an extension of 400 cm)

Fixtures, fittings and accessories



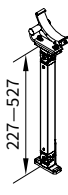
track bracket,
with adjustable head
100 mm

76046.



vario-V bracket for track
fixture

76052.



raised cassette bracket
foot can be tilted
backwards by up to 45°,
head of cassette fixture
bracket can be tilted
forwards by up to 45°

left

76067.



raised cassette bracket
foot can be tilted
backwards by up to 45°,
head of cassette fixture
bracket can be tilted
forwards by up to 45°

right

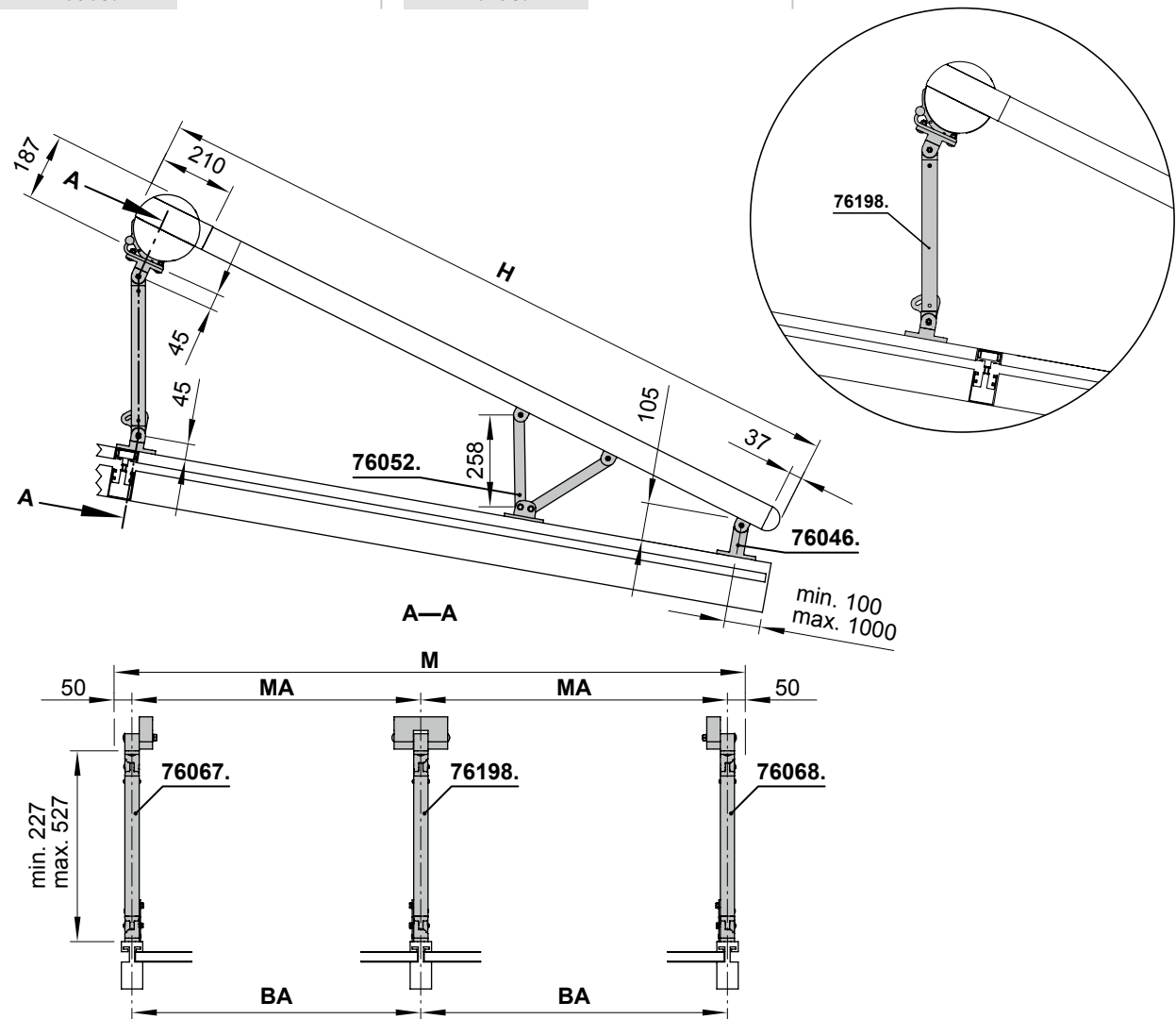
76068.



raised cassette bracket
foot can be tilted
backwards by up to 45°,
head of cassette fixture
bracket can be tilted
forwards by up to 45°

for coupling point
bottom fixture

76198.

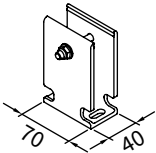


- BA** = width between fixture points
H = *order dimension* = extension
M = overall awning width
MA = *order dimension* = awning fixture width = fixture width

dimensions in mm

Overview of dimensions, fixture type 31

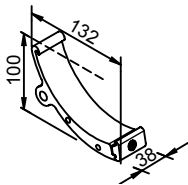
Fixtures, fittings and accessories



track bracket for rigid track-only fixture

70 40

76017.

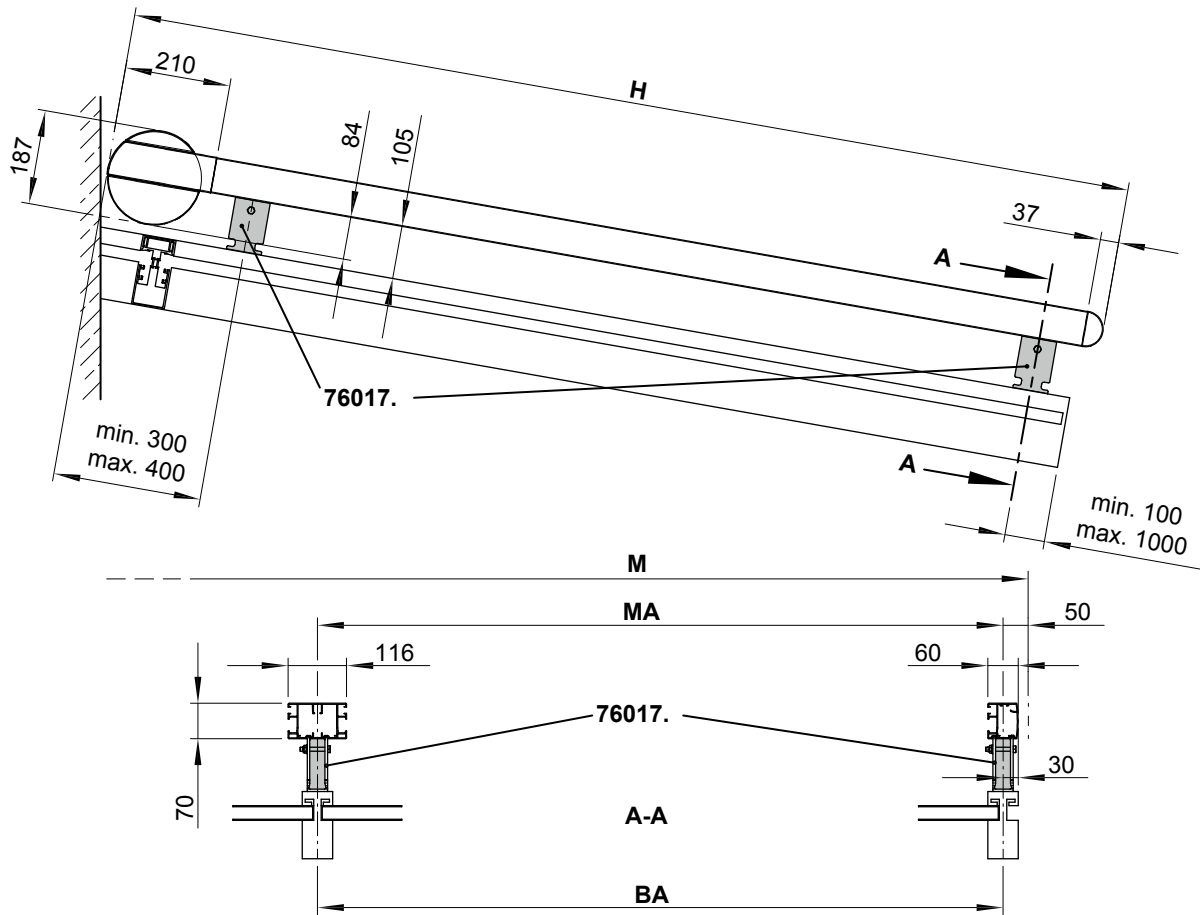


cassette support for track-only fixture

100 mm

132 100 38

76183.



- BA

= width between fixture points
- H

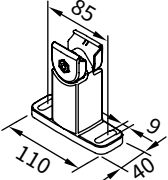
= *order dimension* = extension
- M

= overall awning width
- MA

= *order dimension* = awning fixture width = fixture width
- dimensions in mm

Overview of dimensions, fixture type 32

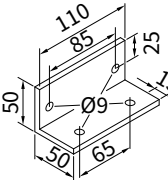
Fixtures, fittings and accessories



track bracket, with adjustable head

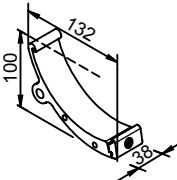
100 mm

76046.



angled adapter plate for rounded mullions L/R incl. fixture bolts required in addition to fixture combination 32

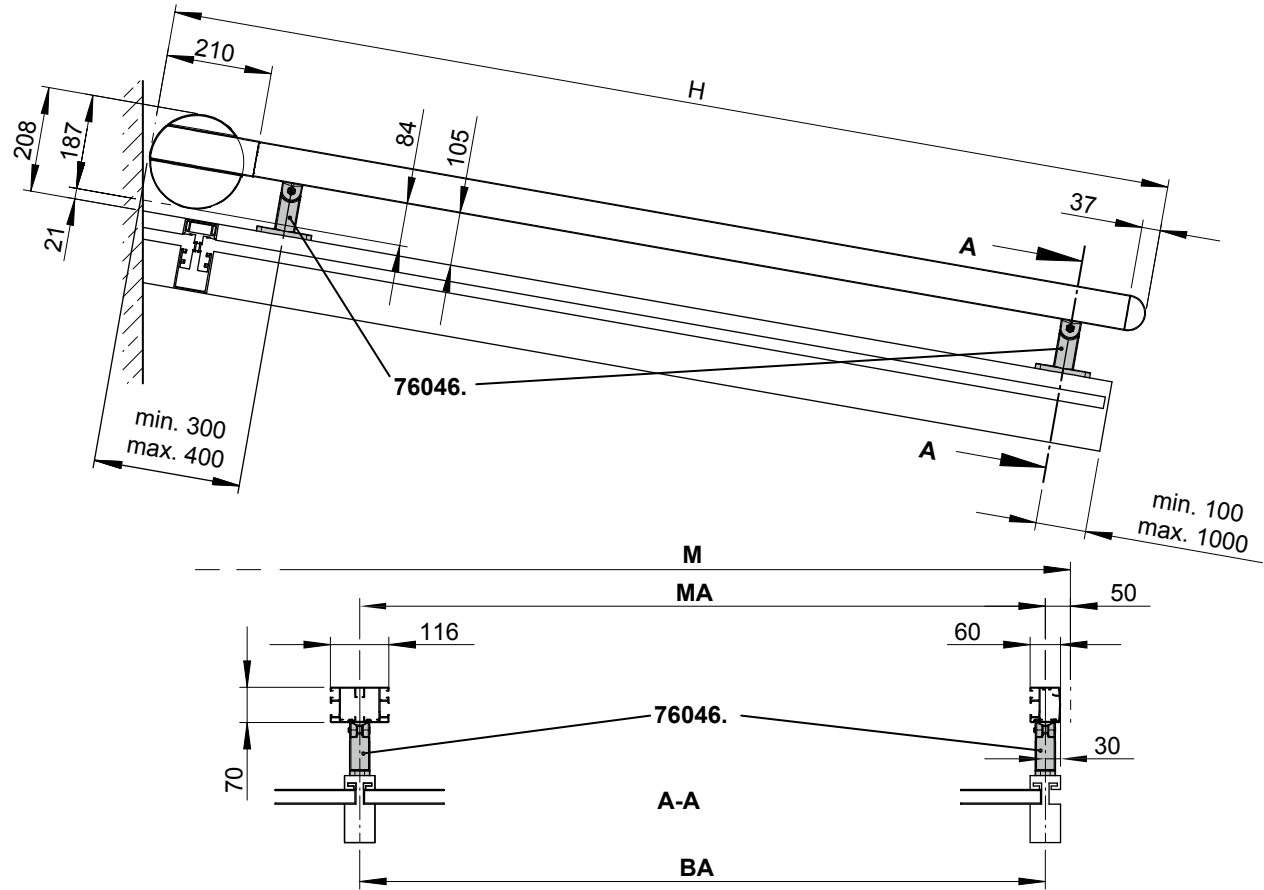
76099.



cassette support for track-only fixture

100 mm

76183.

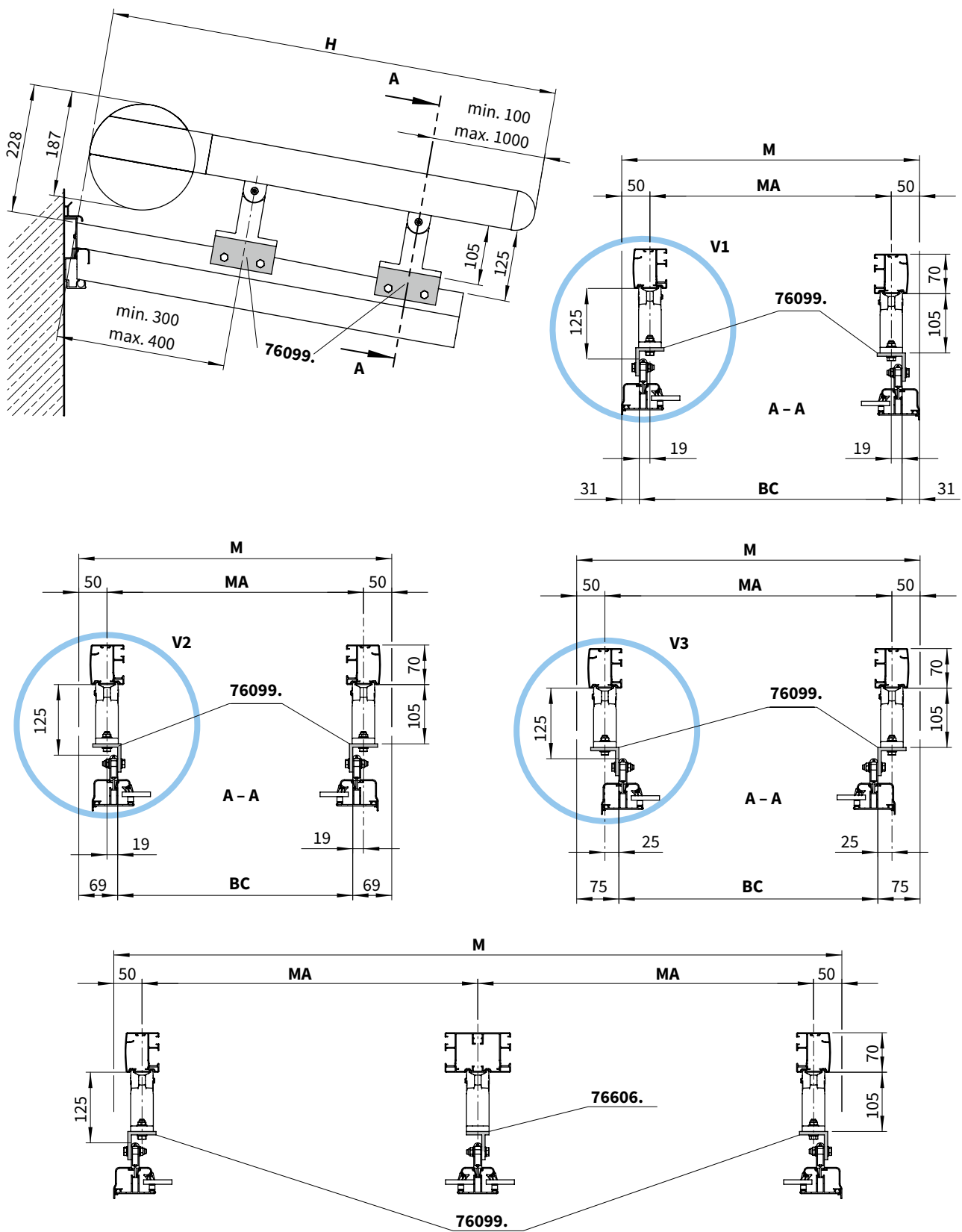


- BA** = width between fixture points
- H** = *order dimension* = extension
- M** = overall awning width
- MA** = *order dimension* = awning fixture width = fixture width

dimensions in mm

Overview of dimensions, fixture type 32

Mullion fixture with angled installation brackets



BC = width between fixture points

H = *order dimension* = extension

M = overall awning width

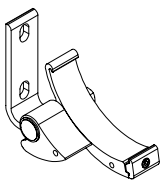
MA = *order dimension* = awning fixture width = fixture width

V1, V2, V3 = version

dimensions in mm

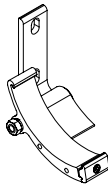
Overview of dimensions, fixture type 12 (up to an extension of 400 cm)

Fixtures, fittings and accessories



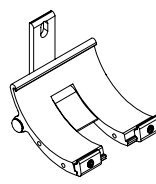
face fixture cassette bracket
left
5°-45°
pitch adjustment range

76063.



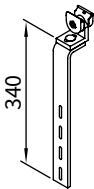
face fixture cassette bracket
right
5°-45°
pitch adjustment range

76064.



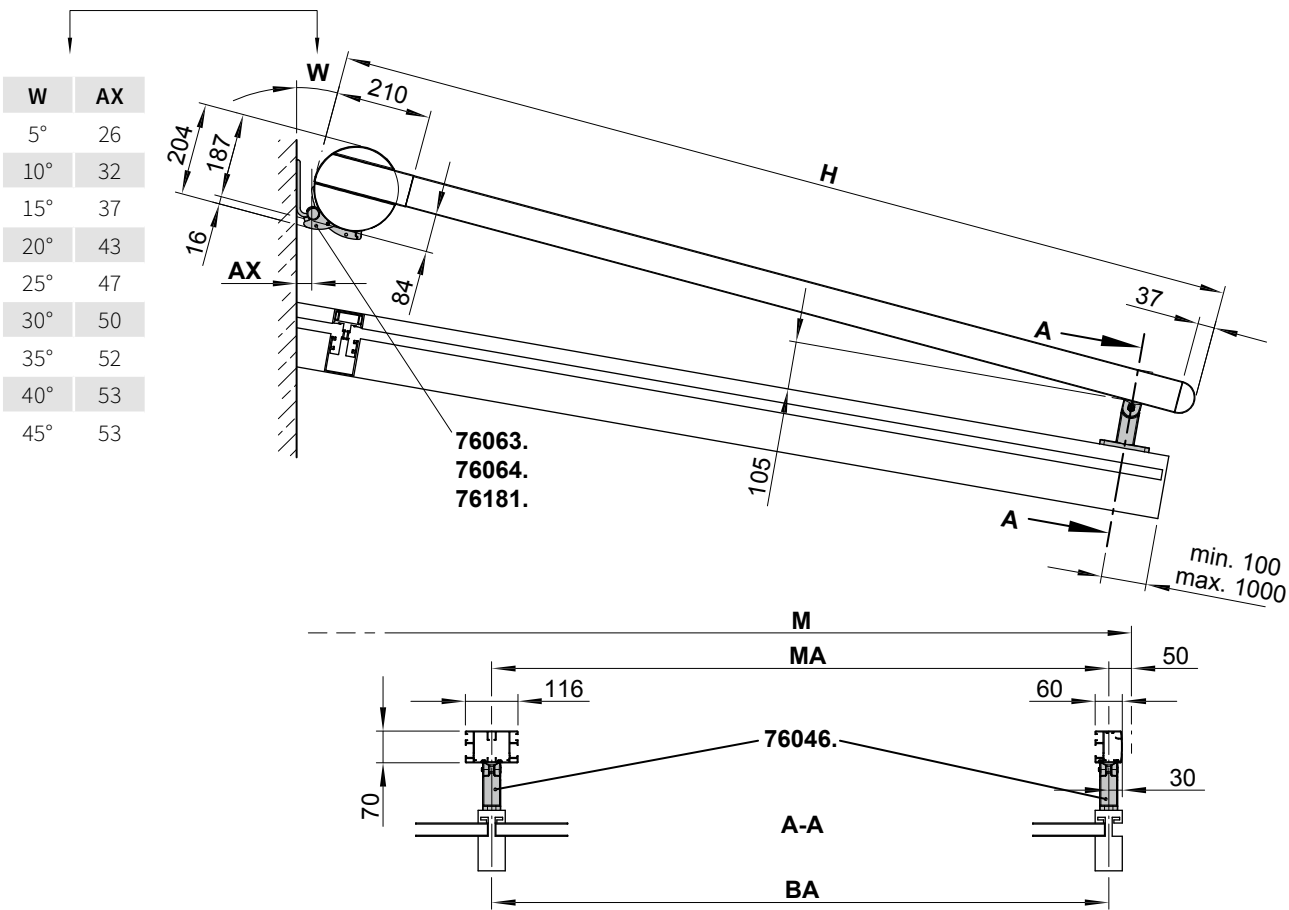
cassette coupling bracket
face fixture
central
5°-45°
pitch adjustment range

76181.



flat track bracket
for lateral fixture
with adjustable head

76049.

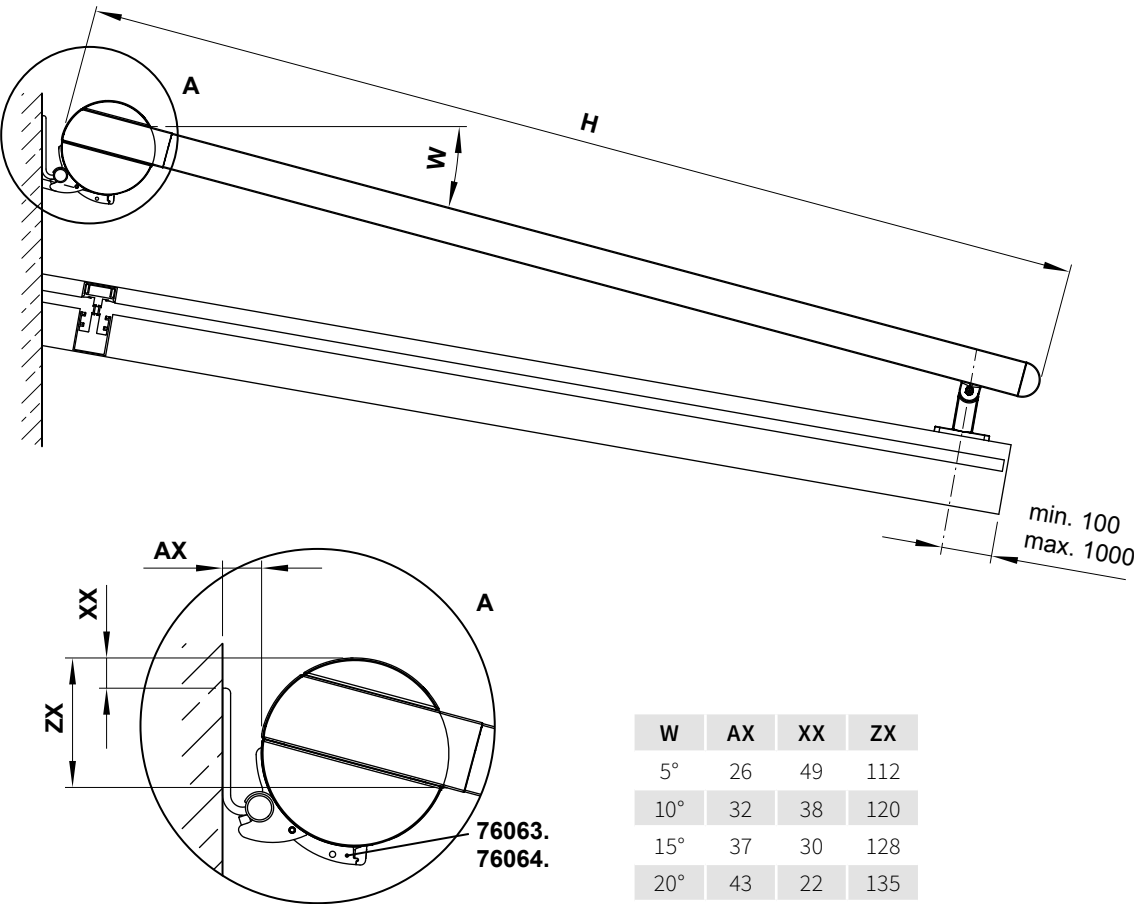


- AX** = distance from cassette to wall
BA = width between fixture points
H = *order dimension* = extension
M = overall awning width
MA = *order dimension* = awning fixture width = fixture width
W = pitch

dimensions in mm

Overview of dimensions, fixture type 12 (up to an extension of 400 cm)

Face fixture and track brackets with adjustable head

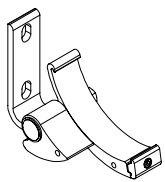


- AX = distance from cassette to wall
- H = *order dimension* = extension
- W = pitch
- XX = distance upper edge bracket – cassette
- ZX = distance upper edge cassette – guide track

dimensions in mm

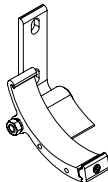
Overview of dimensions, fixture type 51 (from an extension of 400 cm)

Fixtures, fittings and accessories



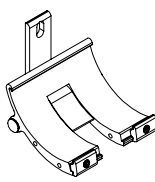
face fixture cassette bracket
left
5°–45°
pitch adjustment range

76063.



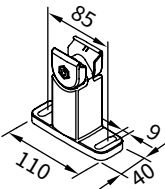
face fixture cassette bracket
right
5°–45°
pitch adjustment range

76064.



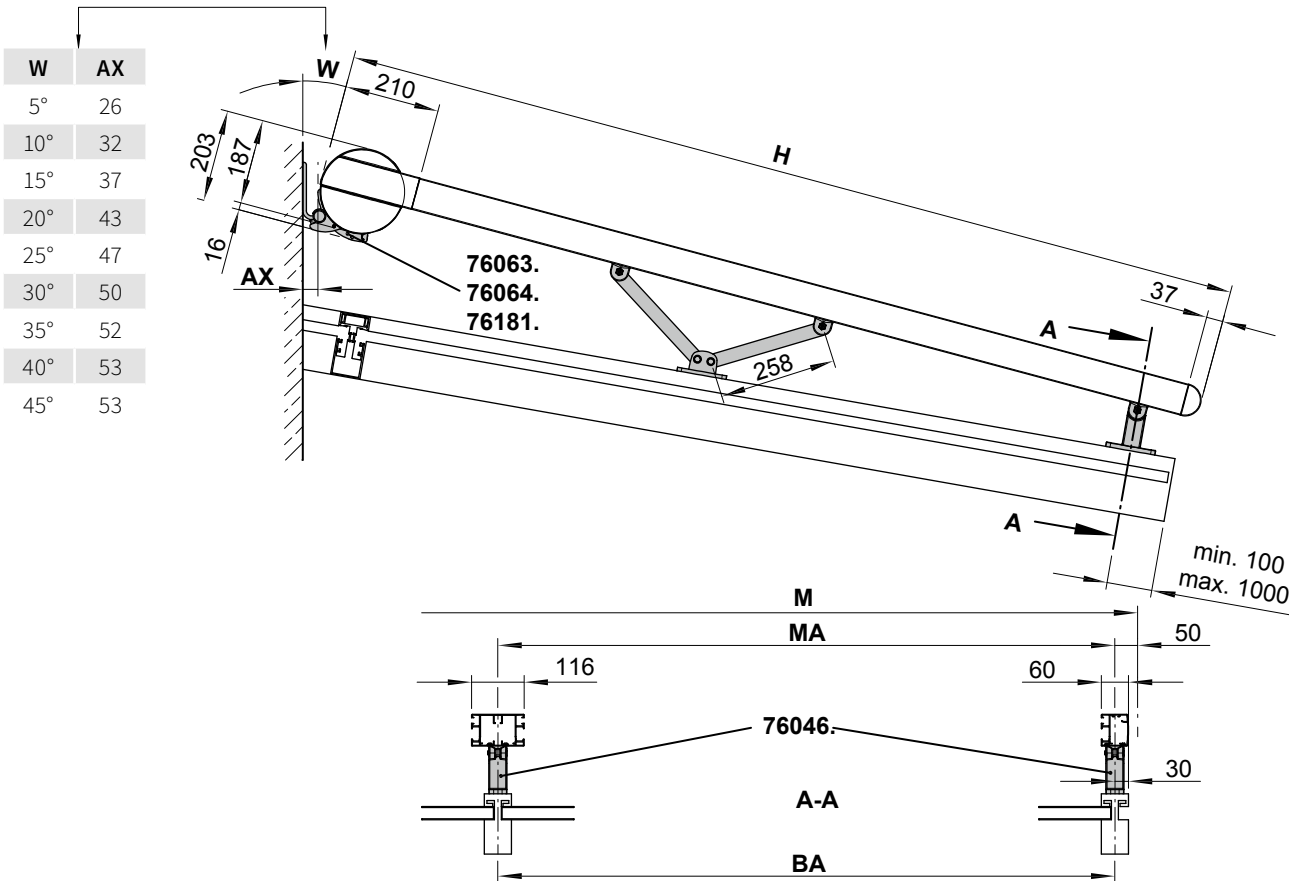
cassette coupling bracket
face fixture
central
5°–45°
pitch adjustment range

76181.



track bracket,
with adjustable head
100 mm
refer also to the section
“installation dimensions”

76046.

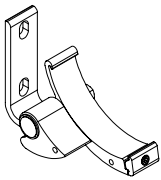


- AX** = distance from cassette to wall
- BA** = width between fixture points
- H** = *order dimension* = extension
- M** = overall awning width
- MA** = *order dimension* = awning fixture width = fixture width
- W** = pitch

dimensions in mm

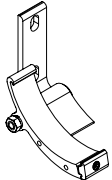
Overview of dimensiions, fixture type 22

Fixtures, fittings and accessories



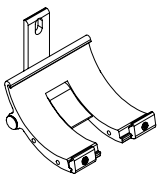
face fixture cassette bracket
left
5°-45°
pitch adjustment range

76063.



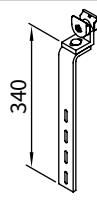
face fixture cassette bracket
right
5°-45°
pitch adjustment range

76064.



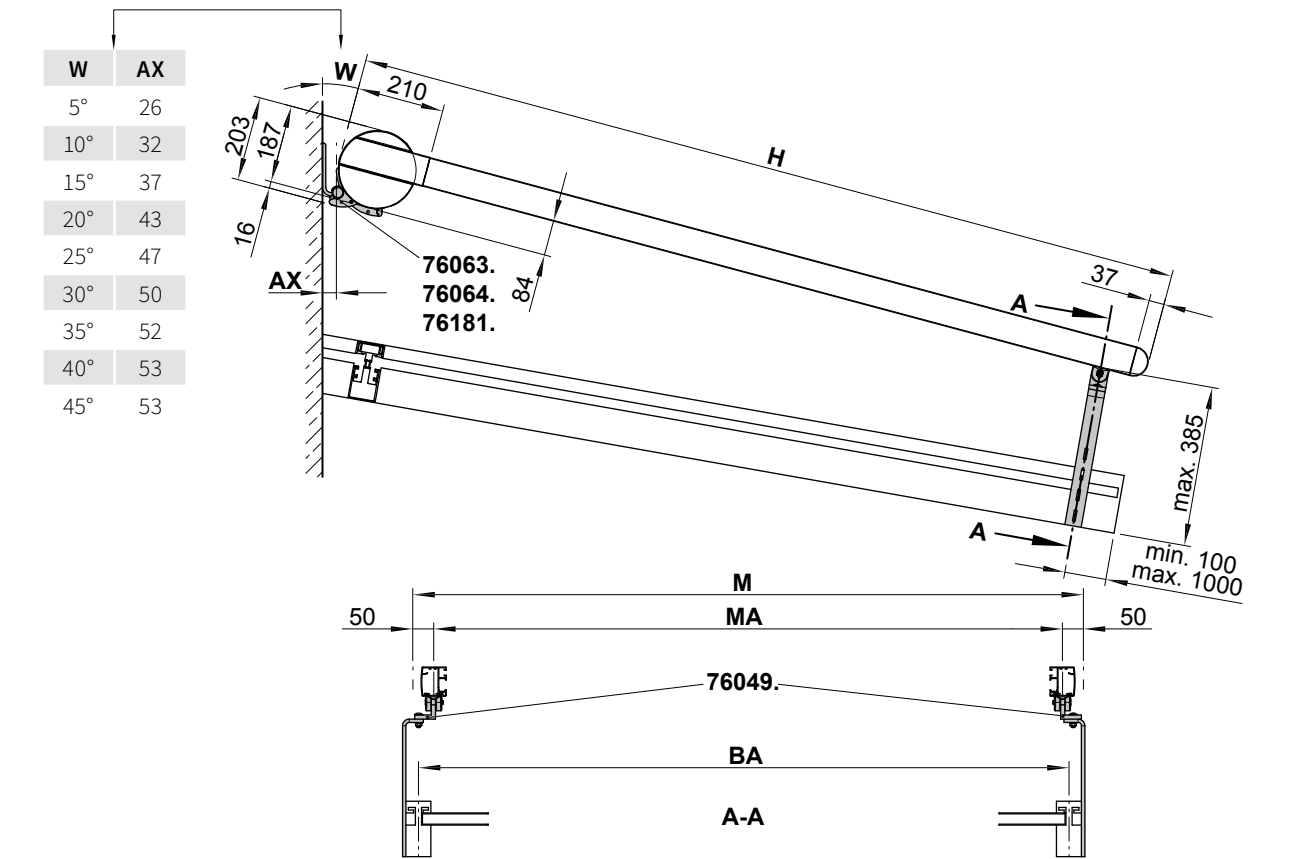
cassette coupling bracket
face fixture
central
5°-45°
pitch adjustment range

76181.



flat track bracket for
lateral fixture with
adjustable head

76049.



AX = distance from cassette to wall

BA = width between fixture points

H = *order dimension* = extension

M = overall awning width

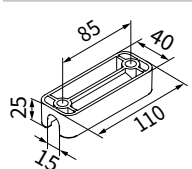
MA = *order dimension* = awning fixture width = fixture width

W = pitch

dimensions in mm

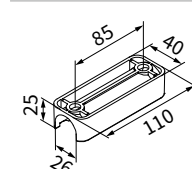
Overview of dimensions, additional brackets for mullion fixture

Fixtures, fittings and accessories



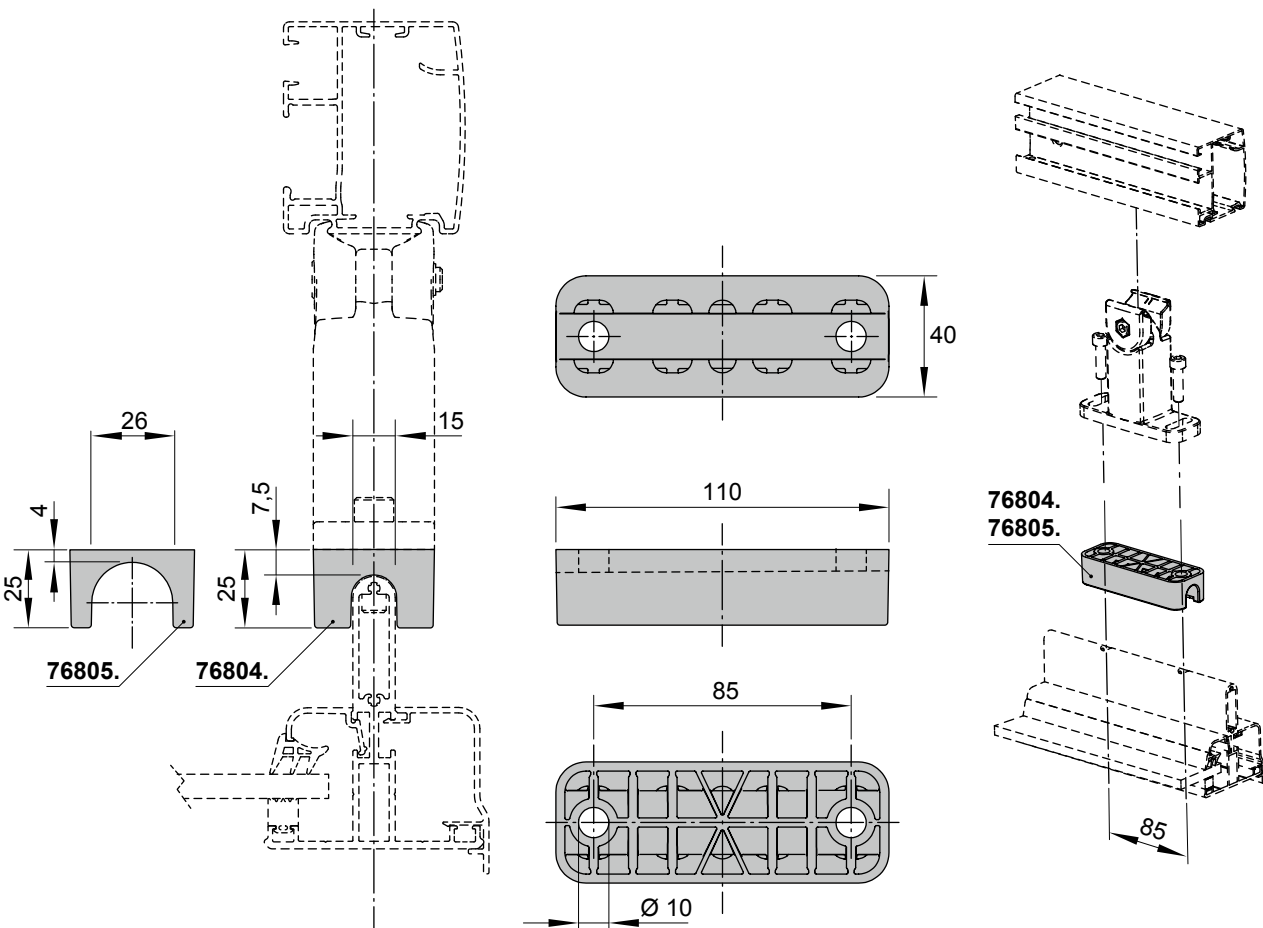
track bracket assembly
for track fixture directly to
glass roof mullions
(width 14 mm)

76804.



track bracket assembly
for track fixture directly to
glass roof mullions
(width 25 mm)

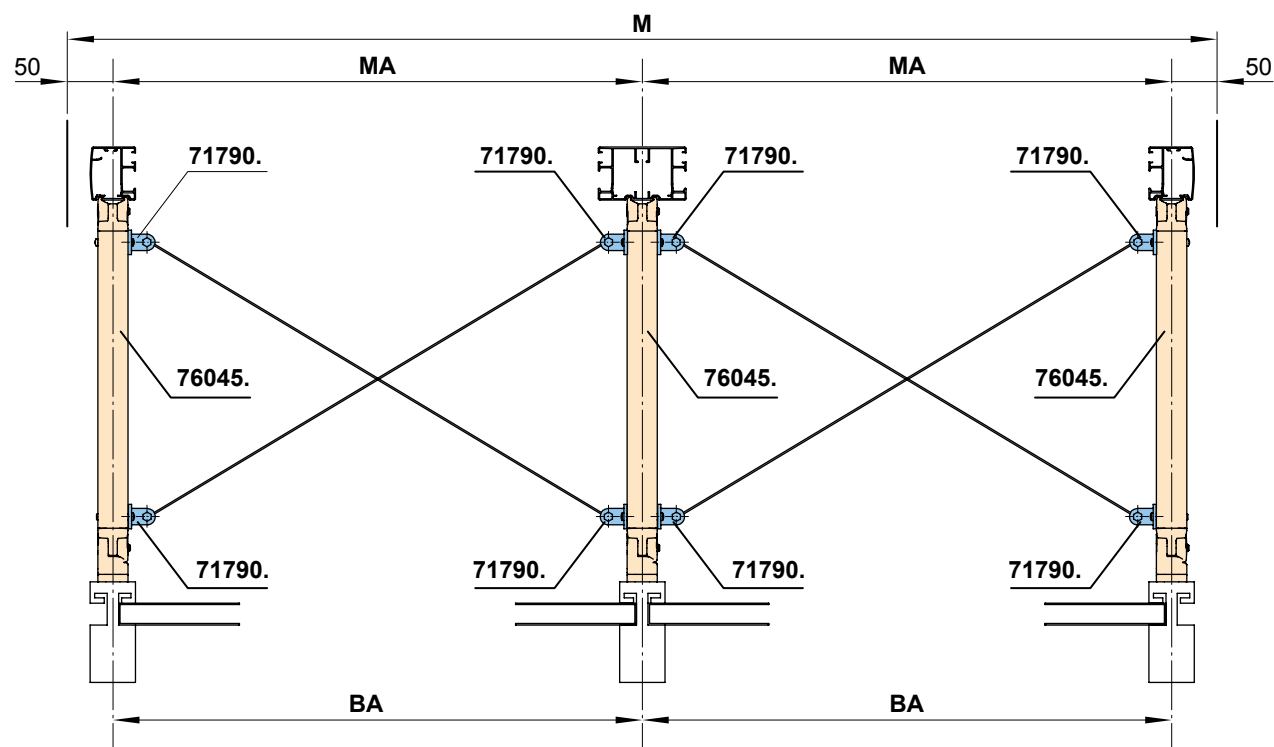
76805.



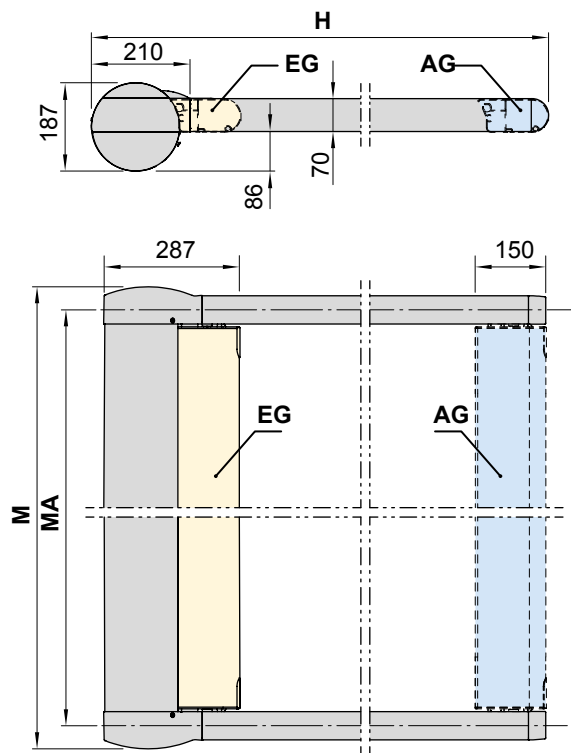
dimensions in mm

Overview of dimensiions

Diagonal tensioning kit for raised bottom fixture



Distance from the back of the cassette to the leading edge of the front profile



- AG

= extended
- BA

= width between fixture points
- EG

= retracted
- H

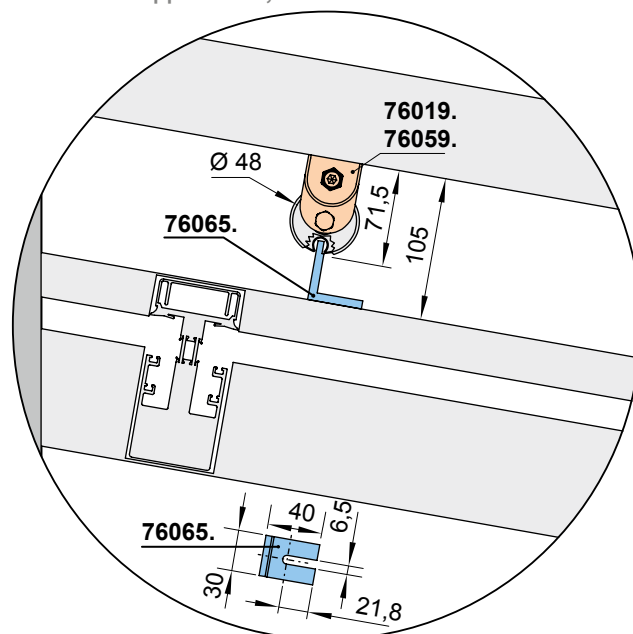
= *order dimension* = extension
- M

= overall awning width
- MA

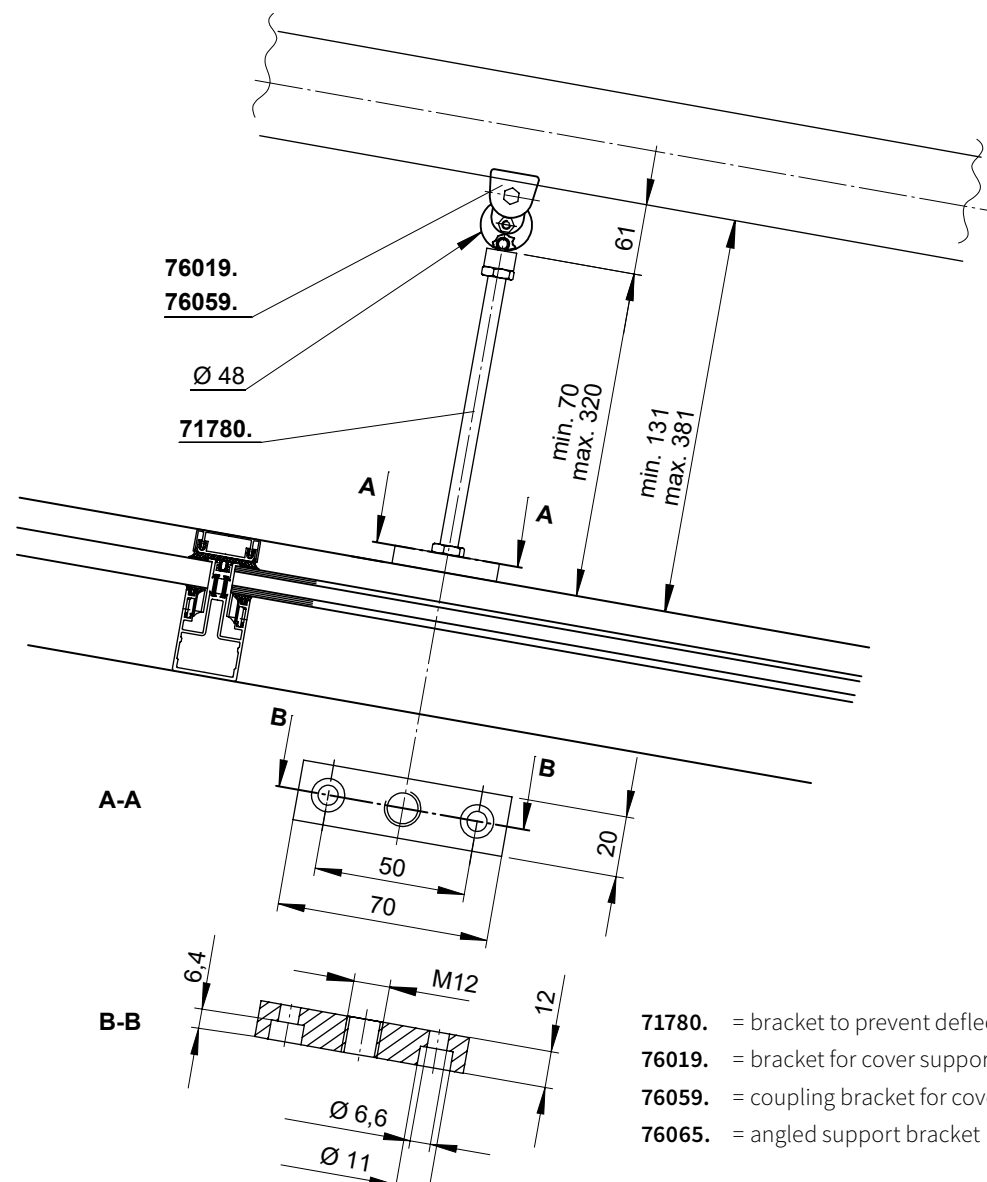
= *order dimension* = awning fixture width = fixture width
- dimensions in mm

Overview of dimensions

Support to prevent deflection of the cover support tube, 100 mm

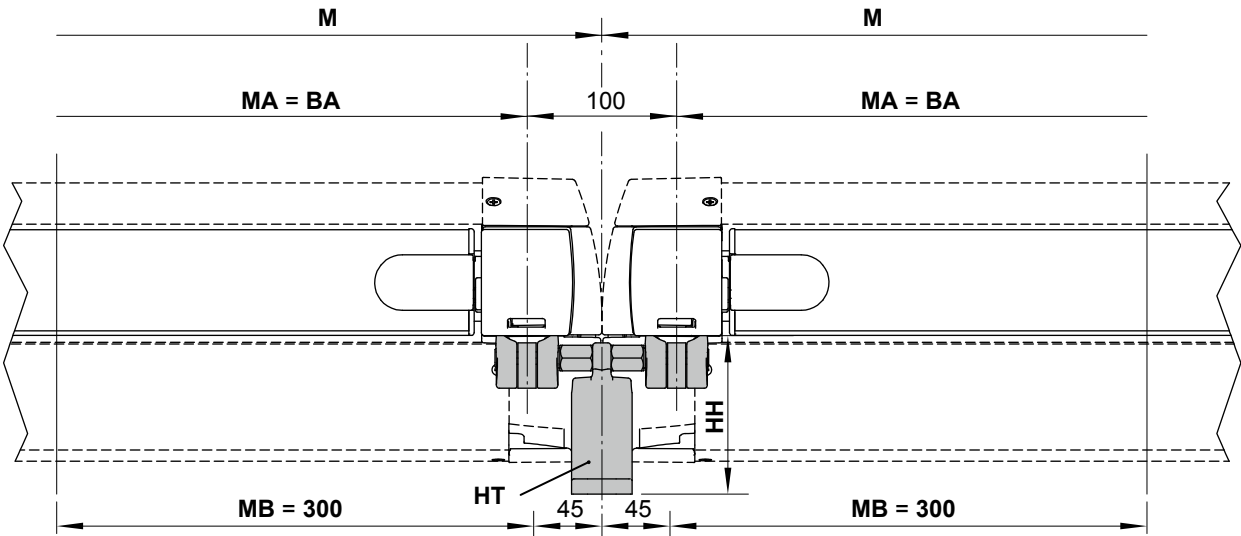


Support to prevent deflection of the cover support tube, can be shortened on site, height range 70–320 mm



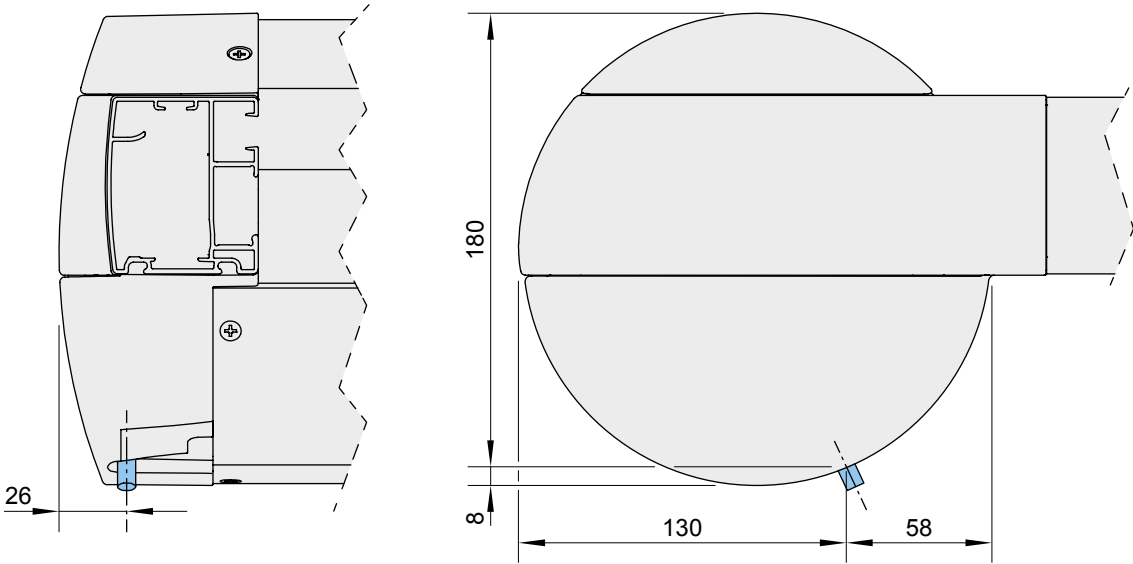
dimensions in mm

Overview of dimensions, double track bracket for single units



HT	76191.	76192.	76193.	76194.
HH	105	145	105–505	205–505

Motor cable exit point



- BA

= width between fixture points
- HH

= bracket height
- HT

= bracket
- M

= overall awning width
- MA

= *order dimension* = awning fixture width = fixture width
- MB

= bracket fixture range (cassette fixture bracket)

76191.

= double track bracket 100 mm
76192.

= double track bracket 140 mm
76193.

= double track bracket 100–500 mm
76194.

= double track bracket 200–500 mm

dimensions in mm

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14**
- 15
- 16
- 17
- 18
- 19
- 20