Above glass 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.

DESIGN AWARD 2012

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markilux

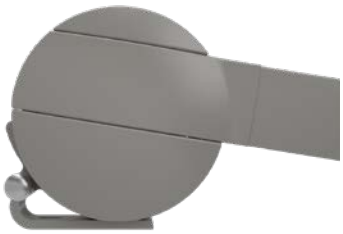
safe timeless beautiful

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

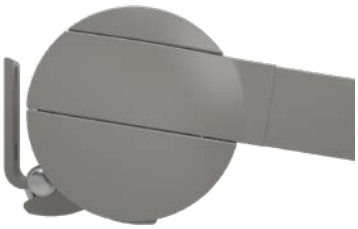
Product Characteristics

Wind resistance class 3
Beaufort 6 → 38–48 km/h → 10.5–13.4 m/s → 24–30 mph

1 bottom fixture



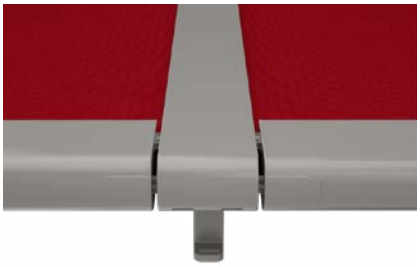
1 face fixture



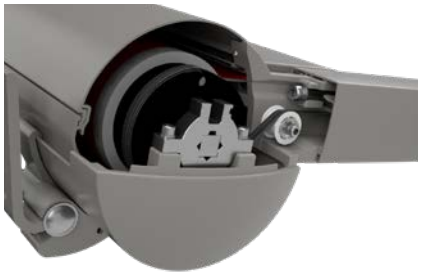
2 tracfix cover guidance – no gap between cover and track [1)]

3 when extended, the 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

1) Optional accessories

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 m^2 to be shaded by one awning (with tracfix system 30 m^2) – 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, sunbow and perla FR the standard panel width is 60 cm (perfotex 120 cm / Soltis Perform 92 88,5 cm / transolair 84 cm) – in order to achieve the optimum overall cover tension and stability
- tracfix optional: 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

Dimensions

- single unit: 60–700 cm in width, maximum extension 700 cm (depending on the width)
- maximum dimensions, width × extension: 500 × 700 cm / 550 × 650 cm / 600 × 600 cm / 650 × 500 cm / 700 × 450 cm (without tracfix system)
- maximum dimensions, width × extension: 500 × 600 cm / 550 × 500 cm / 600 × 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 × 70 mm)
- front profile rounded at the front, depth × height 150 mm × 70 mm

End caps

- in order to achieve the optimum overall cover tension and stability
- 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

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

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 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 fixture width											Minimum fixture width	
		150	200	250	300	350	400	450	500	550	600	650 [1]	700 [1]	Hard-wired motor	Radio-conrolled motor
		60 – 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														
	200														
	250														
	300														
	350											•	•		
	400 [2]	•	•	•	•	•	•	•	•	•	•	•	•	60 [73]	70 [83]
	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 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	—	✓

Awning cover	fabric pattern no.	standard	optional
sunvas [1) 6)]	300..–315..	✓	—
sunsilk [1) 6)]	324.. / 325.. / 328.. / 369..	✓	—
sunbow [1) 6)]	411..–427..	✓	—
smart art [1)]	340..	—	✓
perla FR [1) 5)]	371.. / 372..	—	✓
perfotex [2)]	331.. / 332..	✓	—
transolair [3)]	338..	—	✓
transolair (120 cm)[1)]	339..	—	✓
Soltis Perform 92 [4)]	92–..	—	✓

Standard fabric panel widths

1) 60 cm **2)** 120 cm **3)** 84 cm
4) 88,5 cm **5)** Only in tracfix units
6) In the case of striped patterns, a symmetrical pattern repeat at every second seam is not possible.

Coupled awnings

2–5 fields, 1 motor per field

alternatively 2 fields 1 motor / 3 fields 2 motors / 4 fields 2 motors

maximum size per field: see “single unit” dimensions

General notes

Different field extensions are available in a coupled awning. The rolling up behavour of the covers may vary in coupled awnings that have different field sizes.
This does not effect the functionality of the awning or shorten the service life of the covers.

Shadeplus

not available

Optional accessories

tracfix – cover guidance system holding the cover neatly in the guide rails

storm safety clip for the cassette

wall sealing profile

several motors in a coupled awning, can be operated independently

automatic controls (light, wind, rain)

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

Dimensions and configuration options

Coupled unit, 2 fields [4]

		Awning fixture width									
		500 [3]	600 [3]	700 [3]	800	900	1000	1100	1200	1300	1400
Order dimensions		401 – 500	501 – 600	601 – 700	701 – 800	801 – 900	901 – 1000	1001 – 1100	1101 – 1200	1201 – 1300	1301 – 1400
Overall width		+ 10									
H	150										
	200										
	250										
	300										
	350									•	•
	400	•	•	•	•	•	•	•	•	•	•
	450	•	•	•	•	•	•	•	••	••	••
	500	•	•	•	•	•	•	••	••	••	—
	550	•	•	•	•	•	••	••	••	—	—
	600	•	•	•	•	••	••	••	••	—	—
	650	•	•	•	•	••	••	••	—	—	—
	700	••	••	••	••	••	••	—	—	—	—

Coupled unit, 3 fields [4]

		Awning fixture width														
		600 [3]	700 [3]	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
Order dimensions		551 – 600	601 – 700	701 – 800	801 – 900	901 – 1000	1001 – 1100	1101 – 1200	1201 – 1300	1301 – 1400	1401 – 1500	1501 – 1600	1601 – 1700	1701 – 1800	1801 – 1900	1901 – 2000	2001 – 2100
Overall width		+ 10															
H	150																
	200																
	250																
	300																
	350														•	•	•
	400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	450	•	•	•	•	•	•	•	•	•	•	•	••	••	••	••	••
	500	•	•	•	•	•	•	•	•	•	•	••	••	••	••	•• [2]	—
	550	•	•	•	•	•	•	•	•	••	••	••	••	••	—	—	—
	600	•	•	•	•	•	•	•	••	••	••	••	••	••	—	—	—
	650	•	•	•	•	•	•	•	••	••	••	••	•• [1]	—	—	—	—
	700	••	••	••	••	••	••	••	••	••	••	—	—	—	—	—	—

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

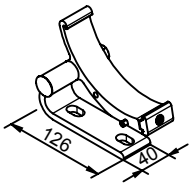
= tracfix (optional)

= tracfix not available

dimensions in cm

Fixtures, fittings and accessories

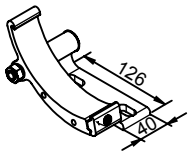
Bottom fixture brackets, cassette



bottom fixture cassette bracket
for mounting on frame

left

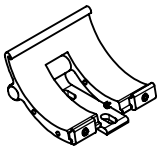
76061.



bottom fixture cassette bracket
for mounting on frame

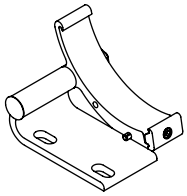
right

76062.



cassette coupling bracket
for the cassette bottom fixture

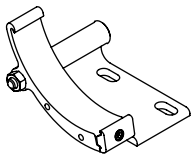
76180.



cassette bracket
for bottom reveal fixture

left

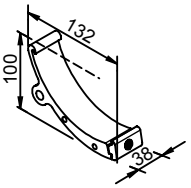
76077.



cassette bracket
for bottom reveal fixture

right

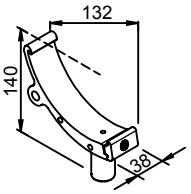
76078.



cassette support for track-only fixture

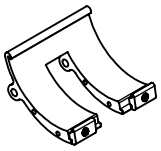
100 mm

76183.



cassette support for track-only fixture
140 mm

76184.



cassette coupling bracket
for track-only fixture, rigid

fixture type 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°

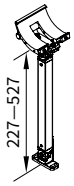
left

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

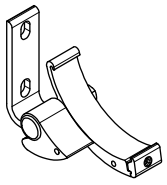
76068.



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.

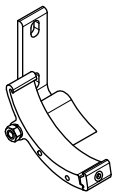
Cassette fixture bracket face/top



face fixture cassette bracket, left

pitch adjustment
range 5°—45°

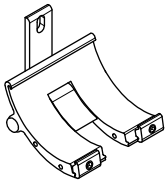
76063.



face fixture cassette bracket, right

pitch adjustment
range 5°—45°

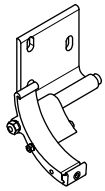
76064.



coupling cassette bracket, central

pitch adjustment
range 5°—45°

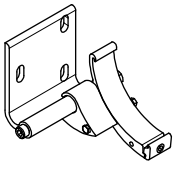
76181.



face fixture cassette bracket, wide, left

pitch adjustment
range 5°—45°

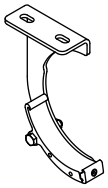
76231.



face fixture cassette bracket, wide, right

pitch adjustment
range 5°—45°

76232.



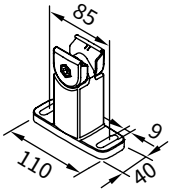
top fixture cassette bracket right / left

pitch adjustment
range 5°—20°

77058.

Fixtures, fittings and accessories

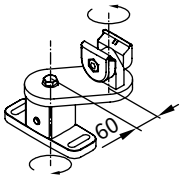
Track bracket



track bracket, with adjustable head

100 mm

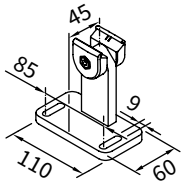
76046.



windmill track bracket

100 mm

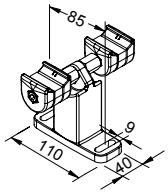
76054.



track bracket with offset footplate

100 mm

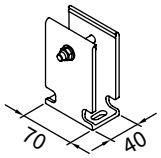
76199.



double track bracket with adjustable head

100 mm

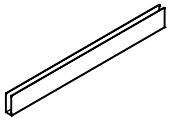
76191.



track bracket for track-only fixture, rigid

100 mm

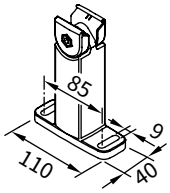
76017.



track bracket for track-only fixture, rigid by the metre, undrilled, 100 mm

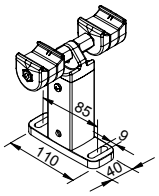
maximum length 6 mm

76013.



track bracket, with adjustable head 140 mm

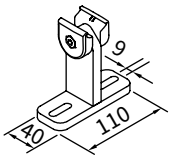
76048.



double track bracket with adjustable head

140 mm

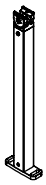
76192.



track bracket for conservatory transom fixture

100 mm

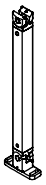
76055.



track bracket, with adjustable head

140–500 mm

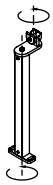
76047.



track bracket, with adjustable head and foot

200–500 mm

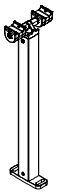
76045.



universal track bracket with adjustable head

140–500 mm

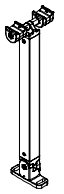
76053.



double track bracket with adjustable head

140–500 mm

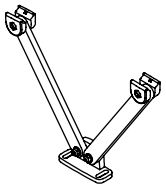
76193.



double track bracket with adjustable head and foot

200–500 mm

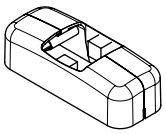
76194.



vario-V bracket

for track fixture

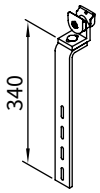
76052.



covering cap for square track bracket

standard accessory for bracket

2 × 76718.



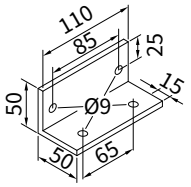
flat track bracket with adjustable head

for lateral guide track fixture

76049.

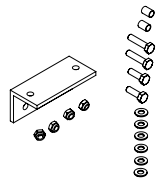
Fixtures, fittings and accessories

Accessories



angled mounting bracket

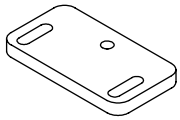
76098.



angled mounting bracket 76098.

including coupling bolts

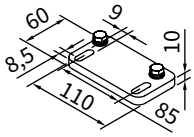
76099.



adapter plate for track bracket

110 × 60 × 10 mm

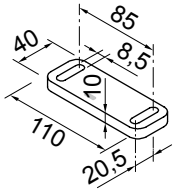
78158.



adapter plate for track bracket

110 × 60 × 10 mm

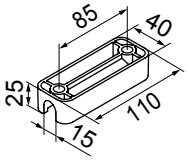
78165.



spacer plate for track bracket

110 × 40 × 10 mm

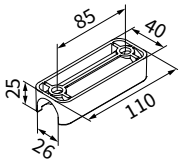
78570.



track bracket accessory width 14 mm

for direct assembly on conservatory rafters

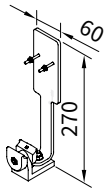
76804.



track bracket accessory width 25 mm

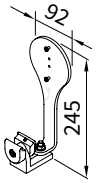
for direct assembly on conservatory rafters

76805.



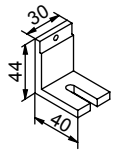
fixture bracket for light and / or wind and/or rain sensor

76050.



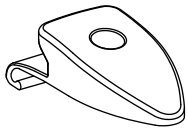
bracket for sun and/or wind sensor io

76723.



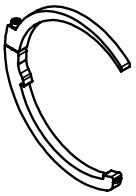
angled bracket to prevent deflection of the cover support tube for bracket height 100 mm

76065.



storm safety clip / closing guide

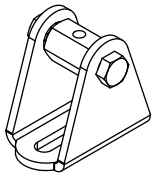
76235.



storm safety bracket for the cassette

(recommended in windy locations and as an additional safety measure for the cassette)

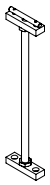
76197.



diagonal tensioning kit

4 wire tensioners, 1 tensioning wire (stainless steel)

71790.



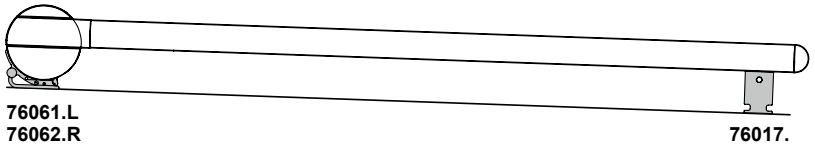
support bracket to prevent deflection of the, cover support tube can be shortened to between 70–320 mm (with clamp plate)

71780.

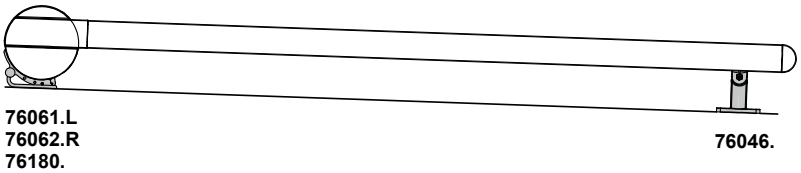
Fixture types

Bottom fixture

11



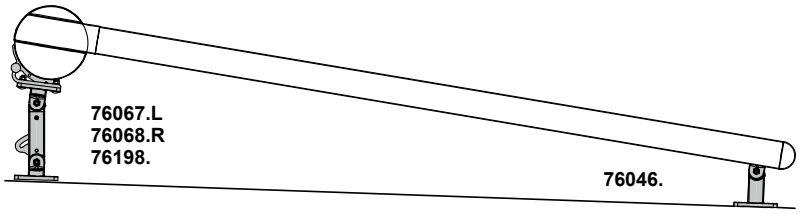
14



21

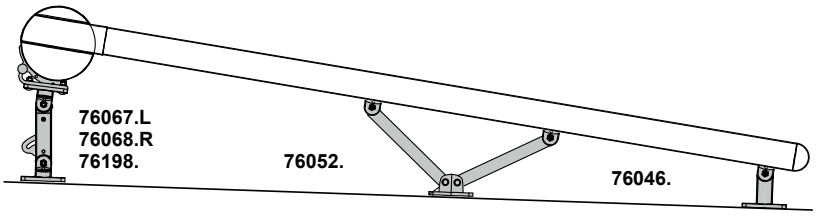
61

Up to an extension of 400 cm



81

From an extension of 401 cm



Individual bracket selection:

See “Fixtures, fittings and accessories”.

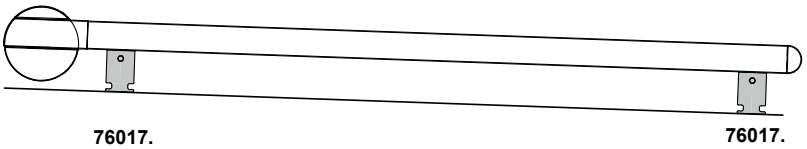
Bottom fixture

Awning extension > 400 cm, always 2 brackets per guide track.
In the case of widths > 600 cm an additional central cassette bracket or cassette support is required.

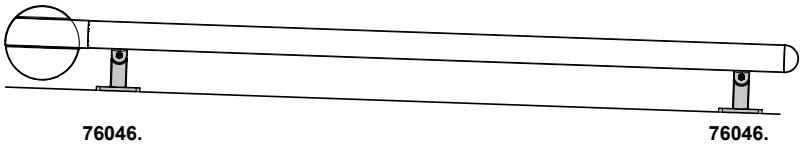
Fixture types

Track-only fixture

31



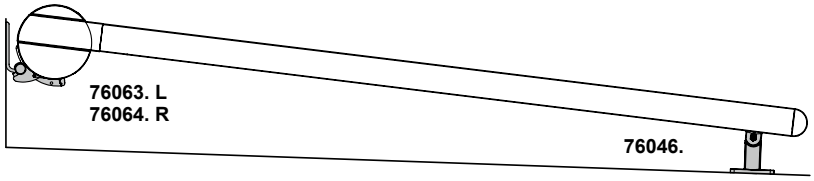
32



Face fixture

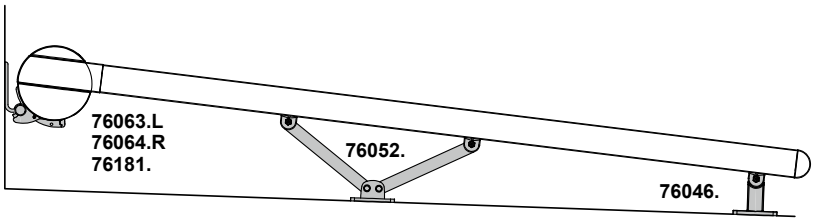
12

Up to an extension of 400 cm

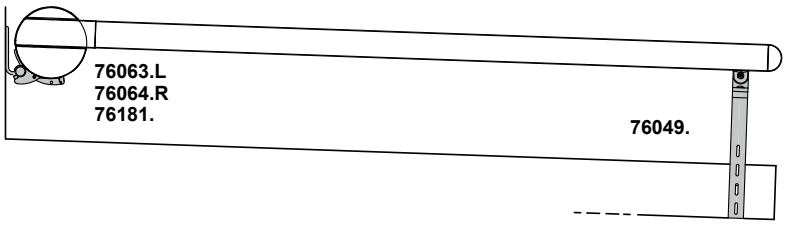


51

From an extension of 400 cm



22



Individual bracket selection:

See “Fixtures, fittings and accessories”.

Track-only fixture

Awning extension > 400 cm, always 3 brackets per guide track.
In the case of widths > 600 cm an additional central cassette bracket or cassette support is required.

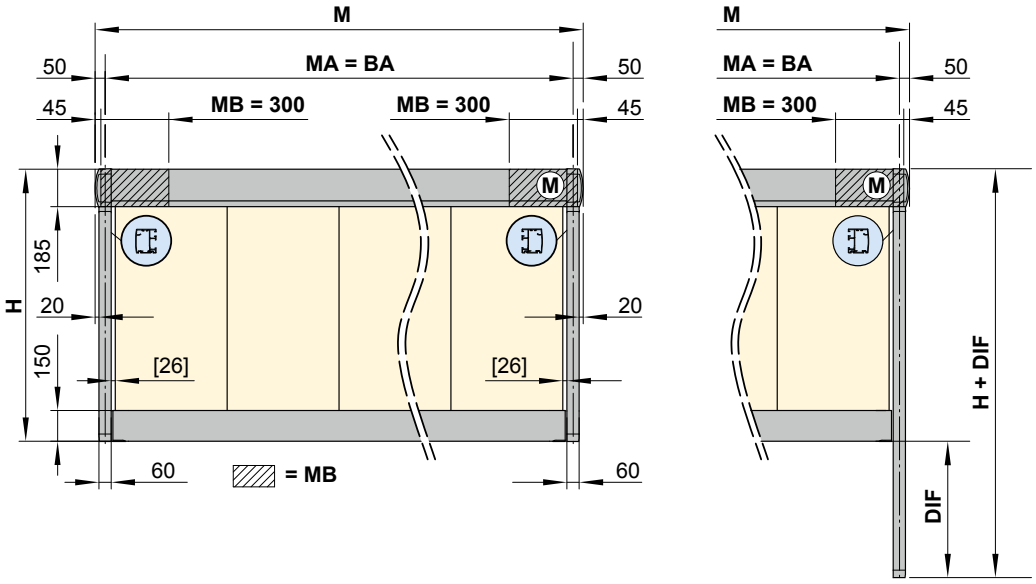
Face fixture

Awning extension > 400 cm, always 2 brackets per guide track.
In the case of widths > 600 cm an additional central cassette bracket is required.

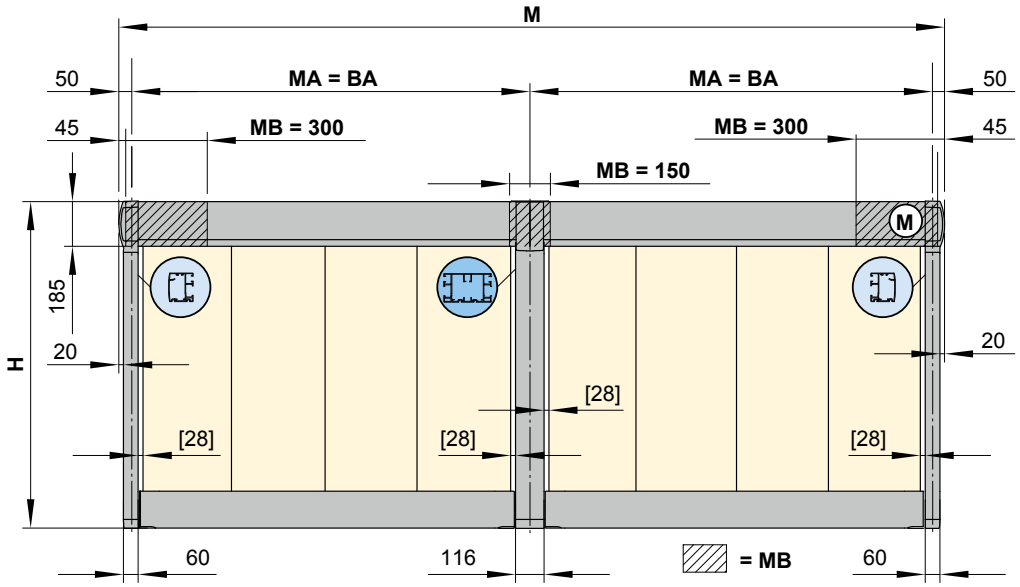
Overview of dimensions

Single unit 1 field, 1 motor

Guide track variant, asymmetrical lengths



Coupled unit, 2 fields, 1 motor

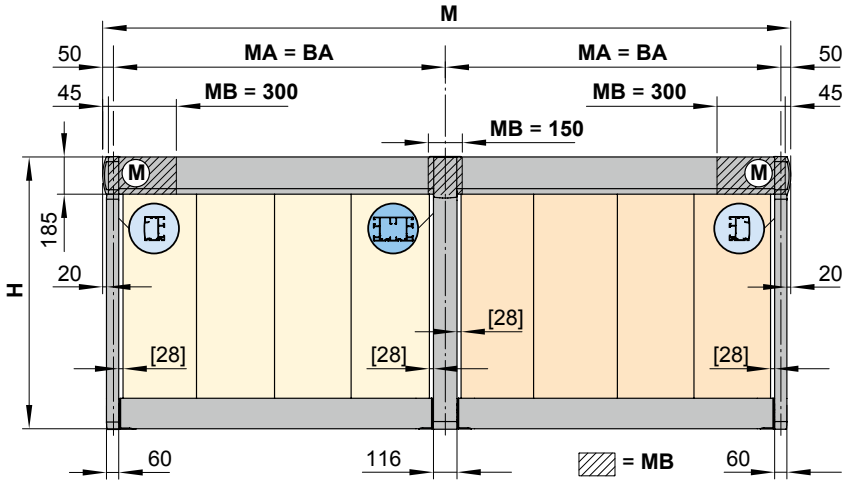


[…]	=	dimensions of the cover gap in a standard unit, no cover gap in units with tracfix system
BA	=	width between fixture points
DIF	=	difference in measurement
H	=	**order dimension** = projection
M	=	overall blind width = **MA** + 100 mm
MA	=	**order dimension**= awning fixture width = fixture width
MB	=	bracket fixture range
Ⓜ	=	motor

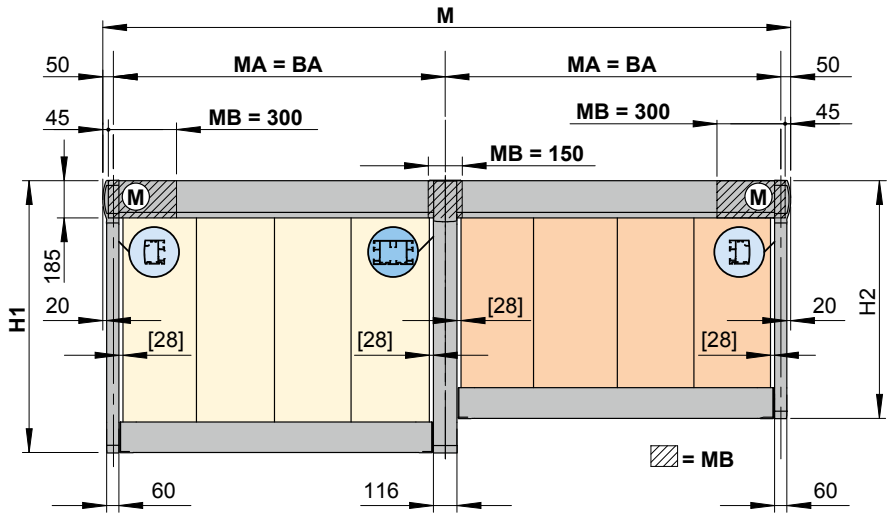
dimensions in mm

Overview of dimensions

Coupled unit, 2 fields, 2 motors



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



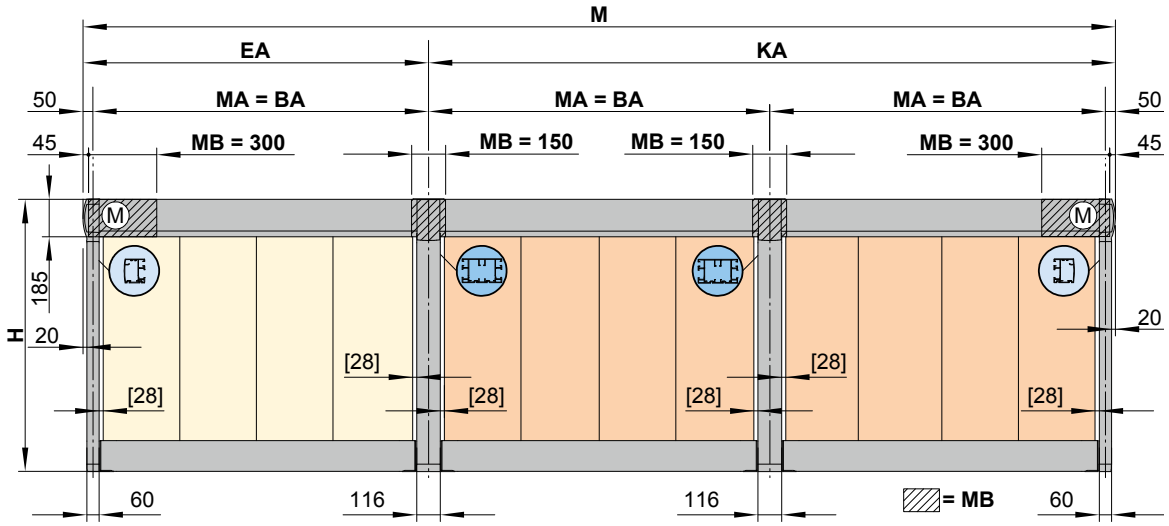
[...] = dimensions of the cover gap in a standard unit, no cover gap in units with tracfix system
BA = width between fixture points
H = **order dimension** = projection
H1 = projection long
H2 = projection short

M = overall blind width = **MA** + 100 mm
MA = **order dimension**= awning fixture width = fixture width
MB = bracket fixture range
Ⓜ = motor

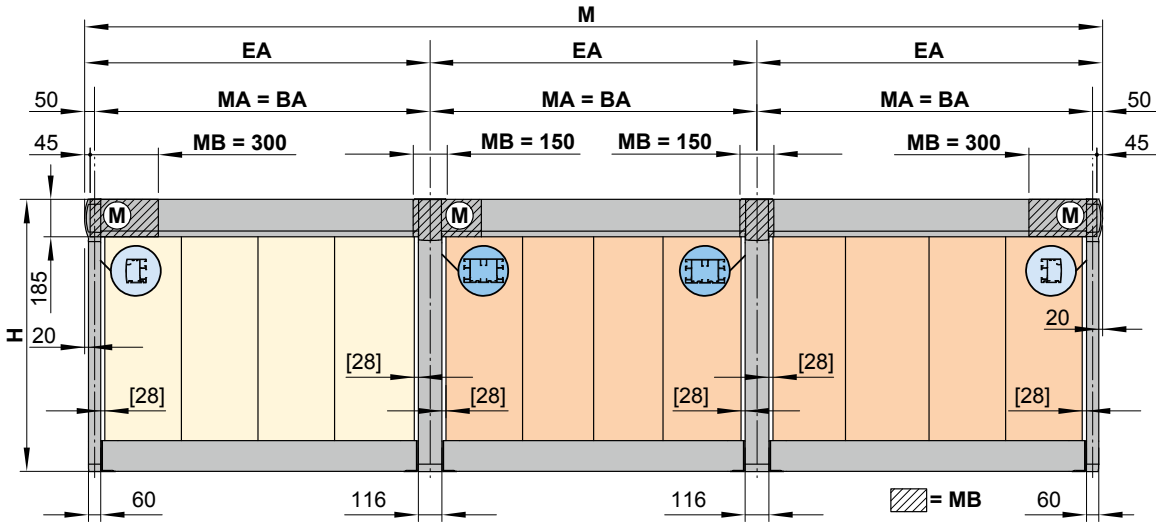
dimensions in mm

Overview of dimensions

Coupled unit, 3 fields, 2 motors



Coupled unit, 3 fields, 3 motors



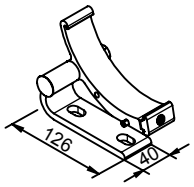
[...] = dimensions of the cover gap in a standard unit, no cover gap in units with tracfix system
BA = width between fixture points
DIF = difference in measurement
EA = single unit
H = **order dimension** = projection

KA = coupled unit
M = overall blind width = **MA** + 100 mm
MA = **order dimension**= awning fixture width = fixture width
MB = bracket fixture range
Ⓜ = motor

dimensions in mm

Dimension overview fixture combination 11

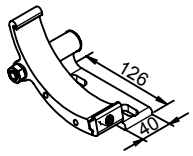
Fixtures, fittings and accessories



bottom fixture cassette bracket
for mounting on frame

left

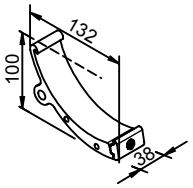
76061.



bottom fixture cassette bracket
for mounting on frame

right

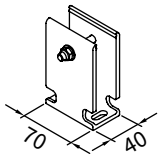
76062.



cassette support for track-only fixture

100 mm

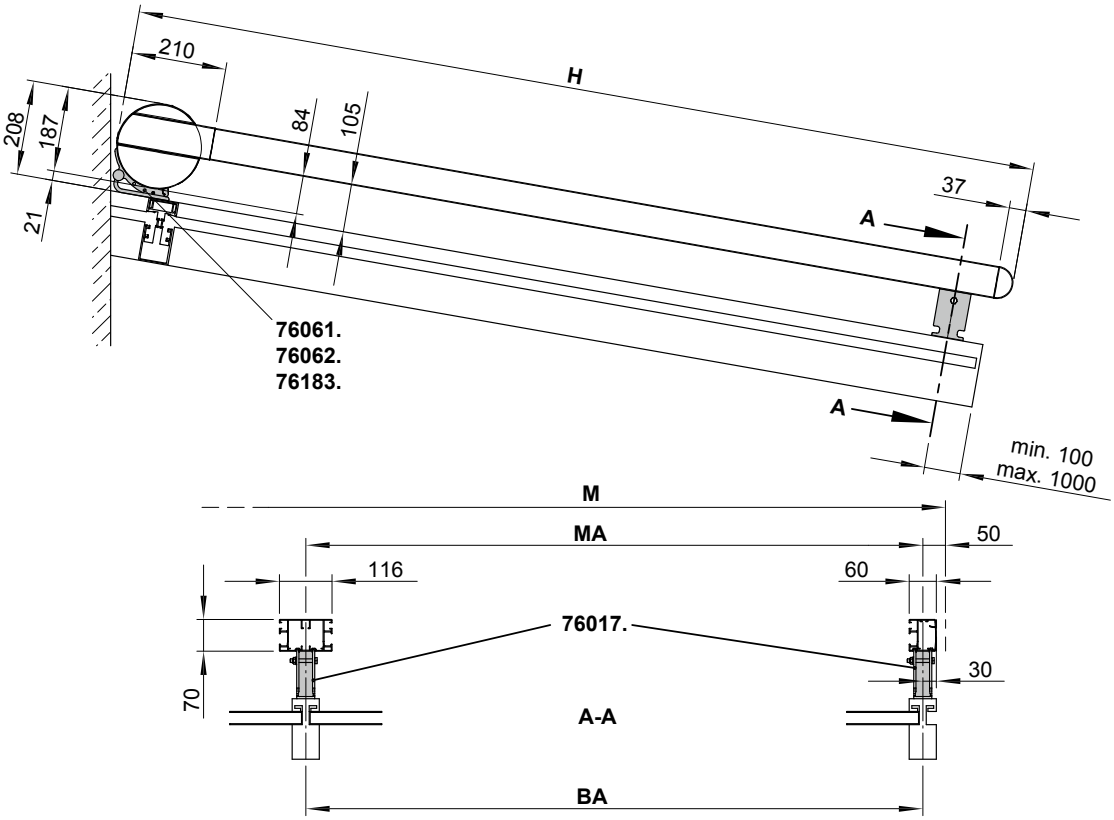
76183.



track bracket for track-only fixture, rigid

100 mm

76017.

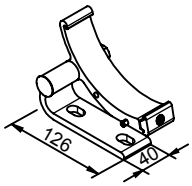


BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

dimensions in mm

Dimension overview fixture combination 14

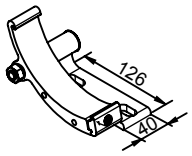
Fixtures, fittings and accessories



bottom fixture cassette bracket
for mounting on frame

left

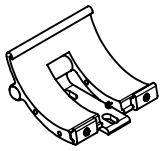
76061.



bottom fixture cassette bracket
for mounting on frame

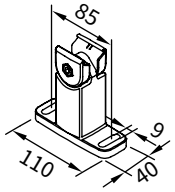
right

76062.



cassette coupling bracket
for the cassette bottom fixture

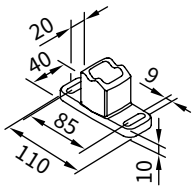
76180.



track bracket, with adjustable head

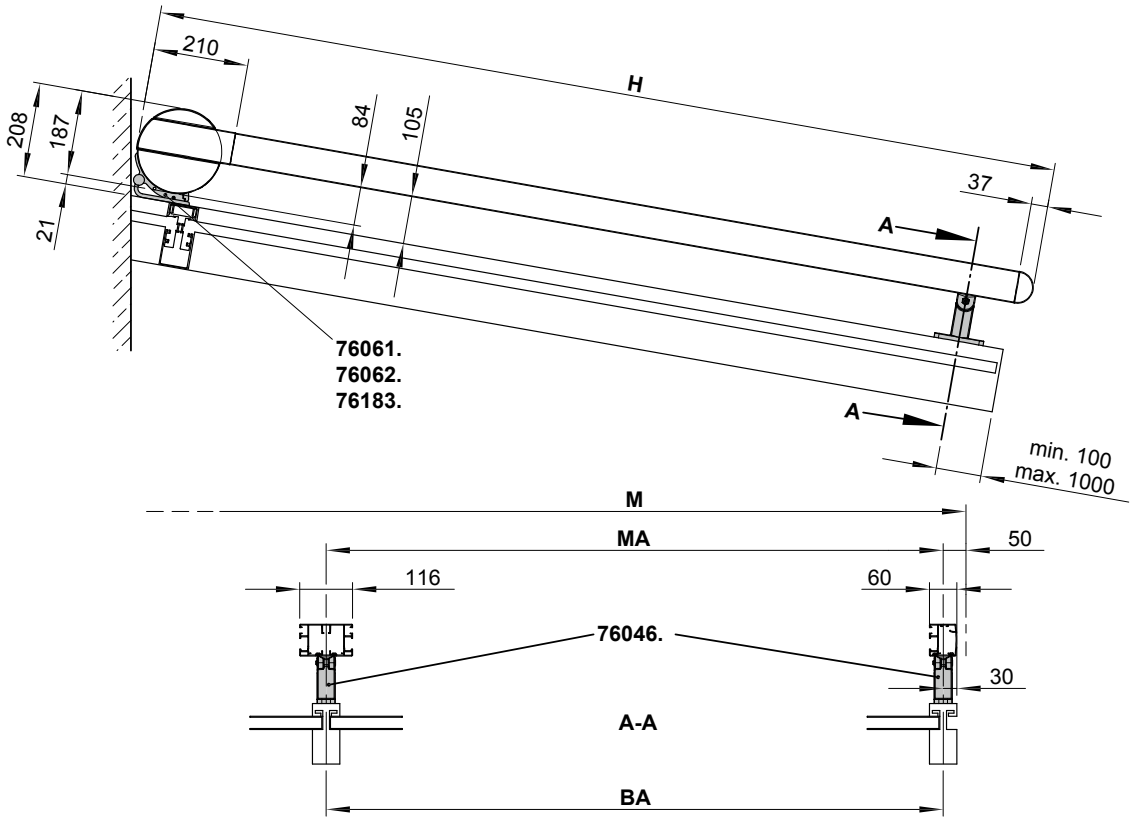
100 mm

76046.



dimensions
track bracket
with adjustable head

76002.

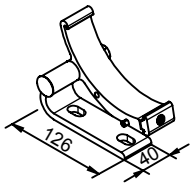


BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

dimensions in mm

Dimension overview fixture combination 21

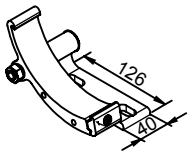
Fixtures, fittings and accessories



bottom fixture cassette bracket
for mounting on frame

left

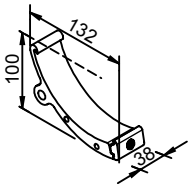
76061.



bottom fixture cassette bracket
for mounting on frame

right

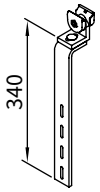
76062.



cassette support for track-only fixture

100 mm

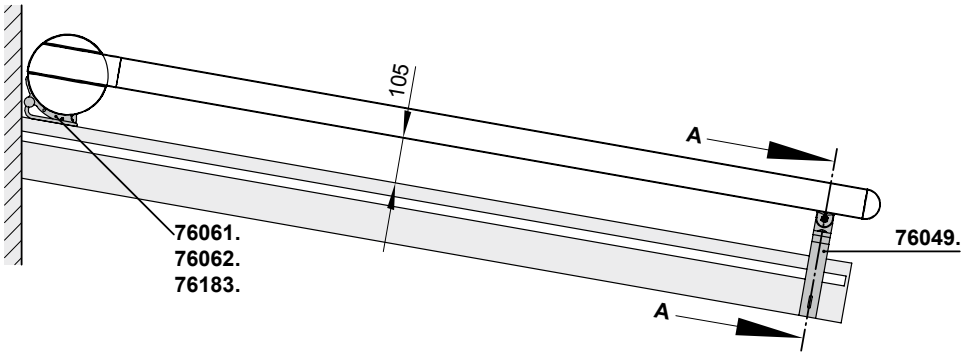
76183.

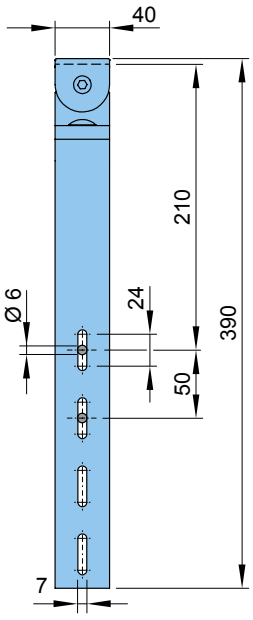


flat track bracket
with adjustable head

for lateral guide track fixture

76049.



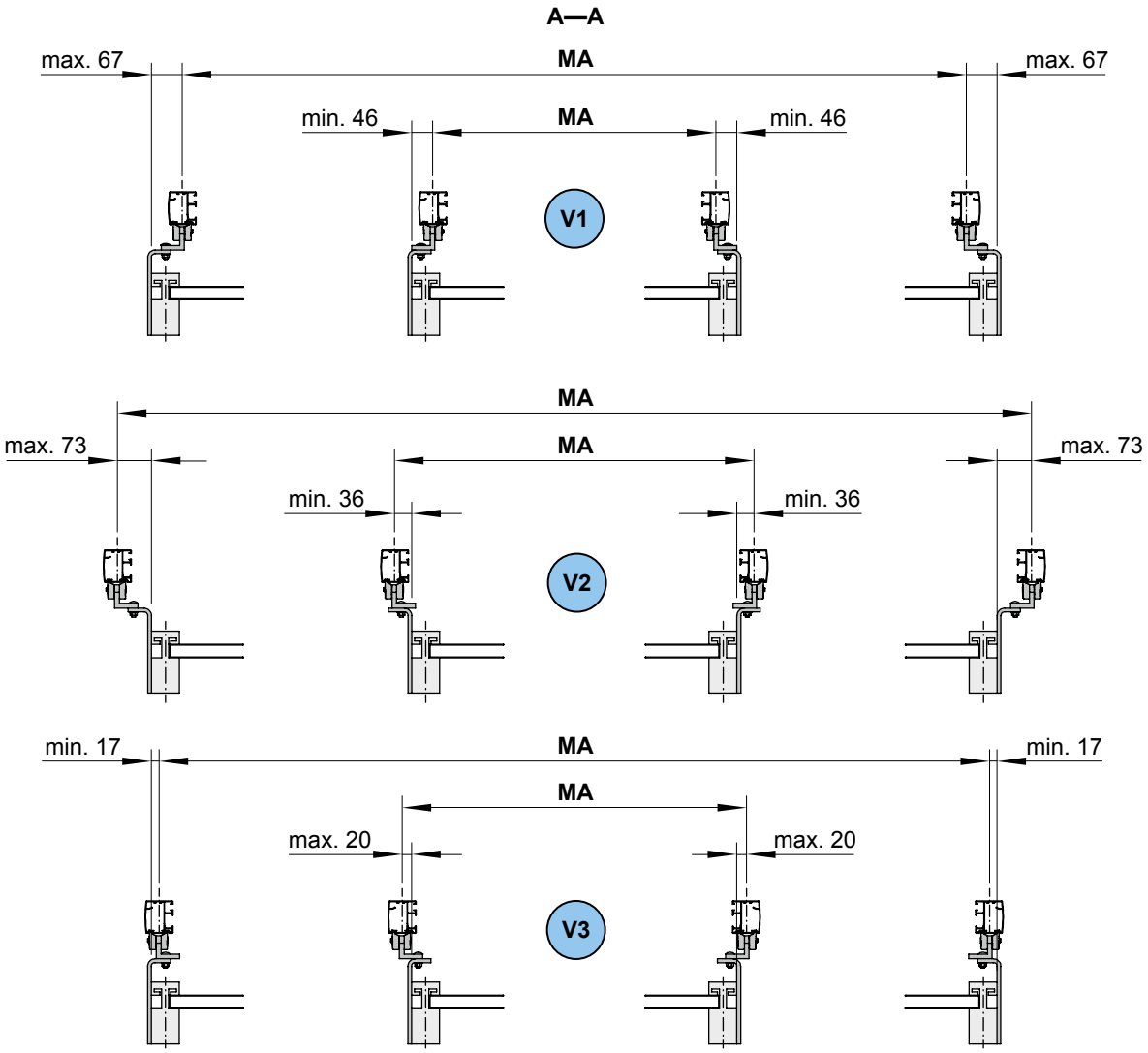


H = **order dimension** = extension

dimensions in mm

Dimension overview fixture combination 21

Alternative installation options

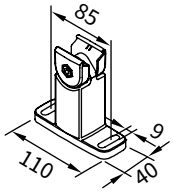


MA = **order dimension** = blind fixture width = fixture width
V1, V1, V3 = variants

dimensions in mm

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

Fixtures, fittings and accessories



76046.

track bracket, with adjustable head

100 mm

76067.

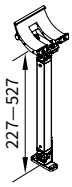
raised cassette bracket
foot can be tilted backwards by up to 45°
head of cassette fixture bracket can be tilted forwards by up to 45°

left

76068.

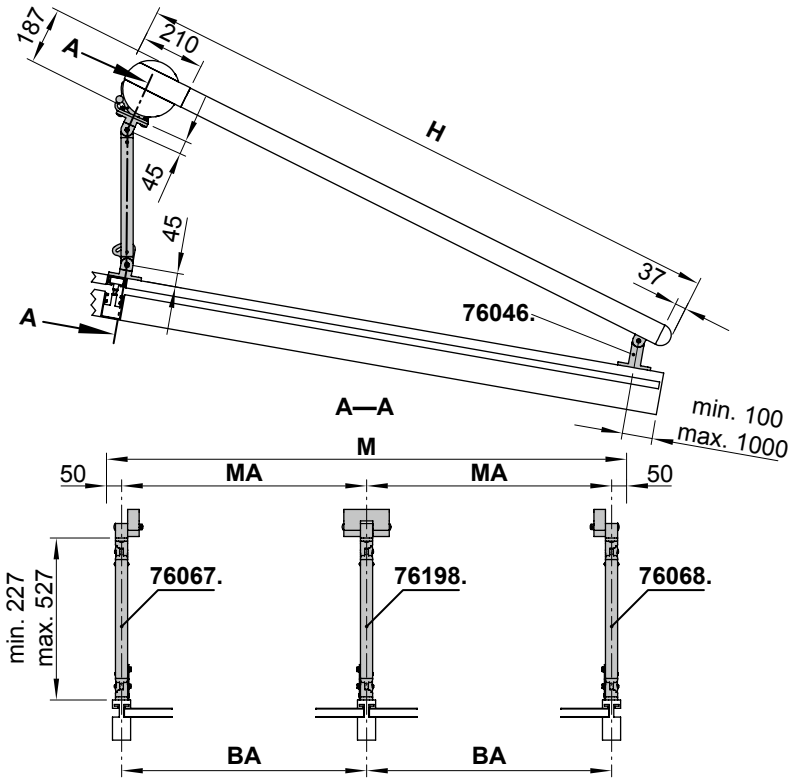
raised cassette bracket
foot can be tilted backwards by up to 45°
head of cassette fixture bracket can be tilted forwards by up to 45°

right



76198.

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

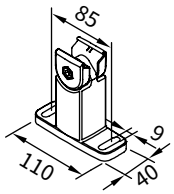


BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

dimensions in mm

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

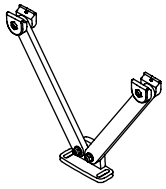
Fixtures, fittings and accessories



track bracket, with adjustable head

100 mm

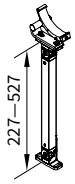
76046.



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°

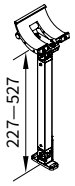
left

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°

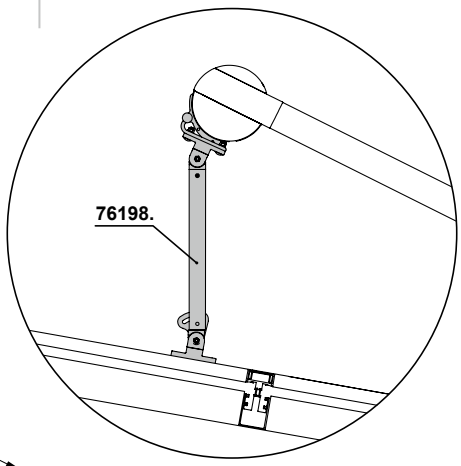
right

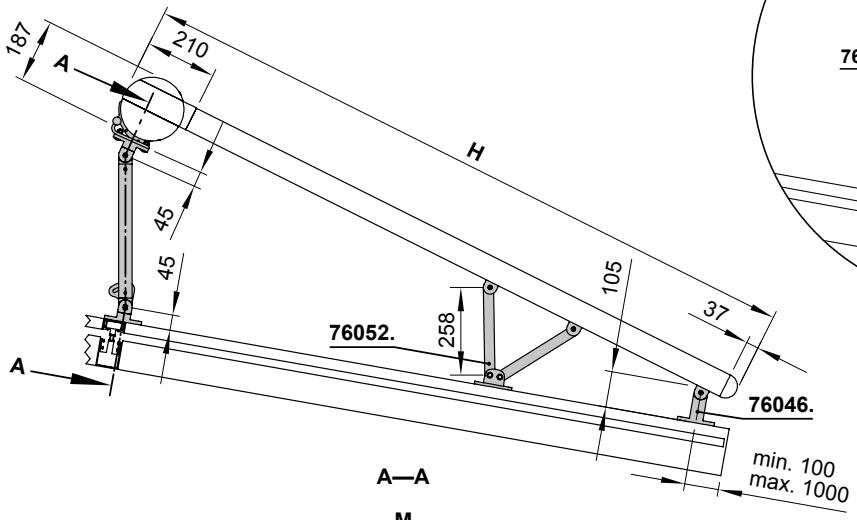
76068.

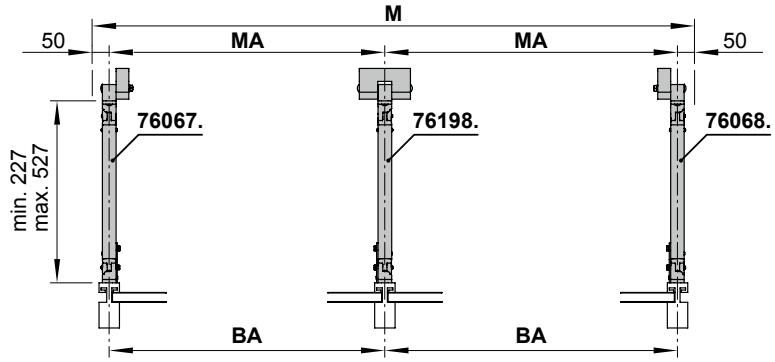


raised cassette bracket foot can be tilted backwards by up to 45° head of cassette fixture bracket can be tilted forwards by up to 45° for coupling point bottom fixture

76198.





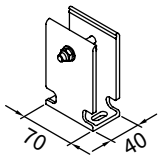


BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

dimensions in mm

Dimension overview fixture combination 31

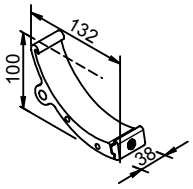
Fixtures, fittings and accessories



track bracket for track-only fixture, rigid

100 mm

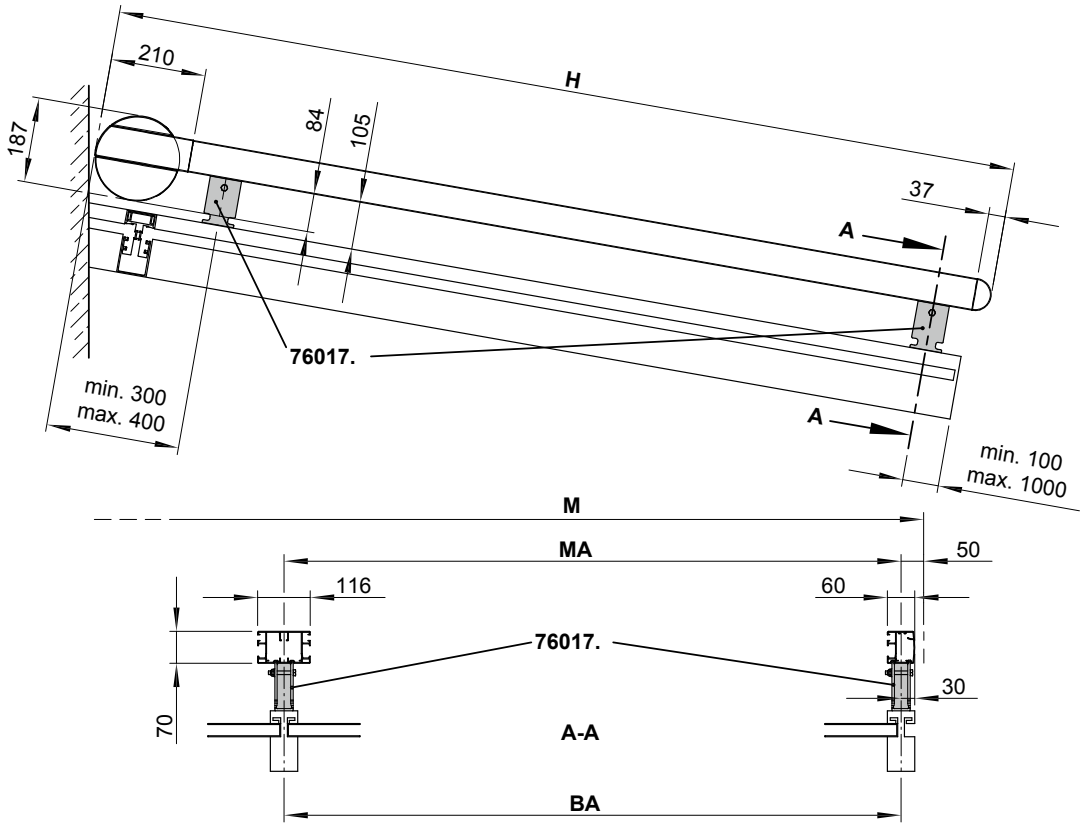
76017.



cassette support for track-only fixture

100 mm

76183.

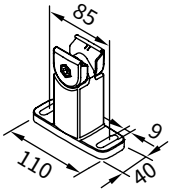


BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

dimensions in mm

Dimension overview fixture combination 32

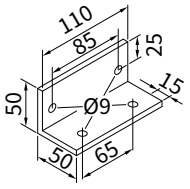
Fixtures, fittings and accessories



track bracket, with adjustable head

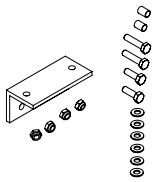
100 mm

76046.



angled mounting bracket

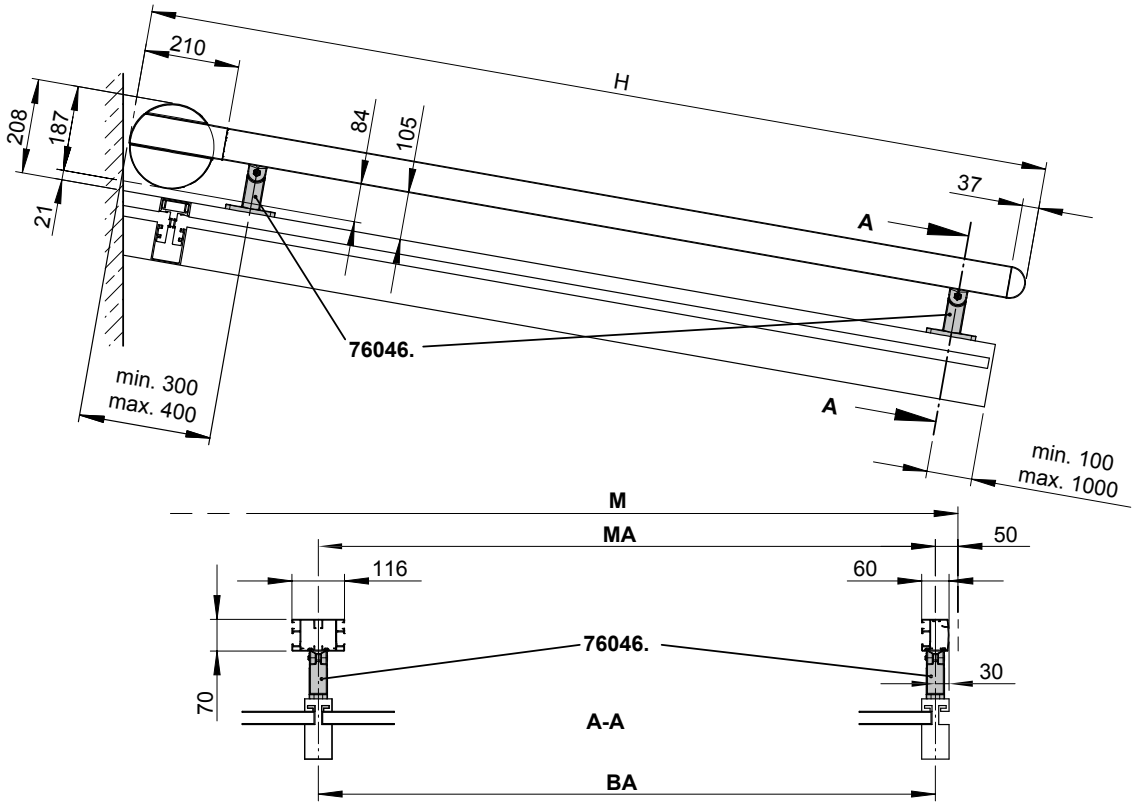
76098.



angled mounting bracket 76098.

including coupling bolts

76099.

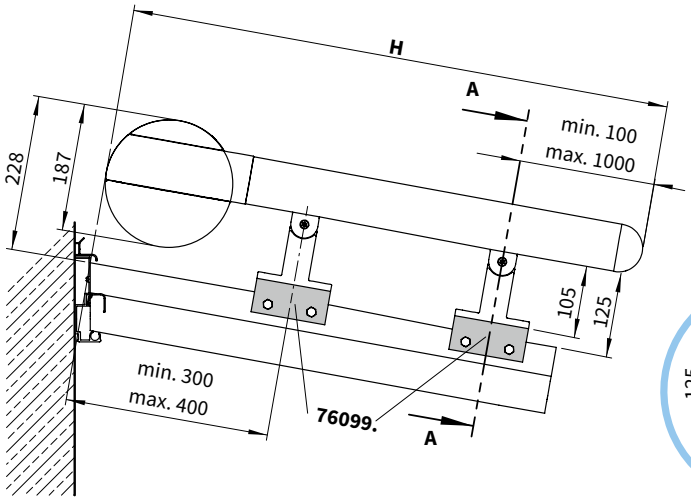


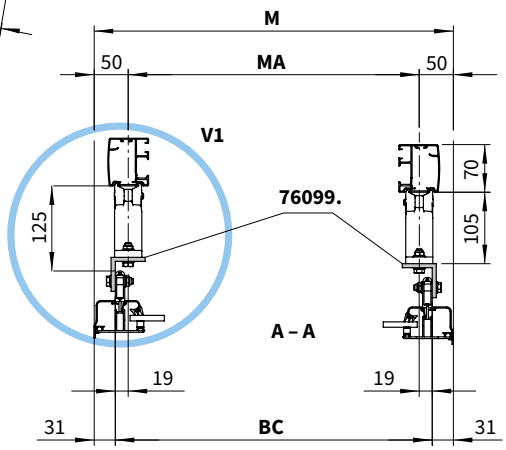
BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width

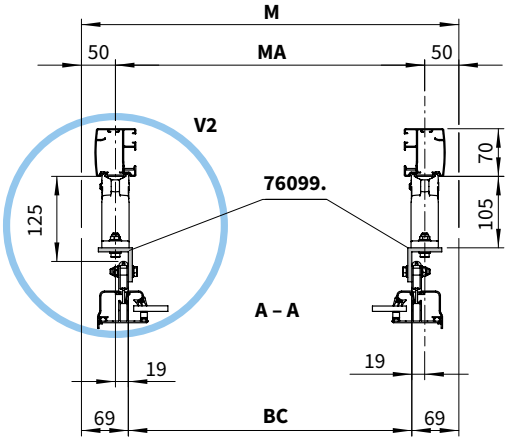
dimensions in mm

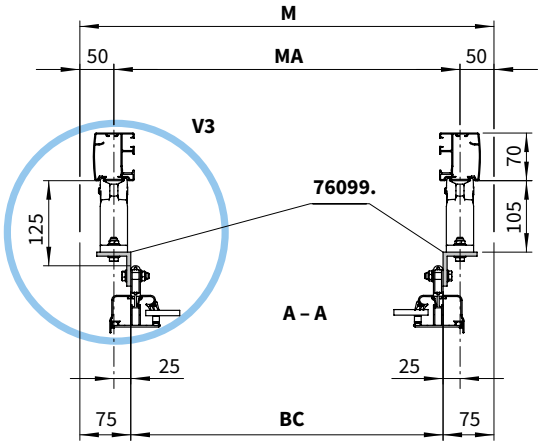
Dimension overview fixture combination 32

Mullion fixture with angled installation brackets







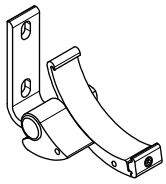


BC = fixture width
MA = **order dimension**= blind fixture width = fixture width
H = **order dimension** = projection
M = awning width
V1, V2, V3 = variants

dimensions in mm

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

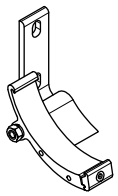
Fixtures, fittings and accessories



face fixture cassette bracket, left

pitch adjustment range 5°—45°

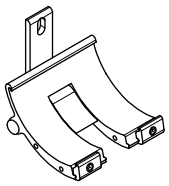
76063.



face fixture cassette bracket, right

pitch adjustment range 5°—45°

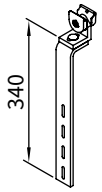
76064.



coupling cassette bracket, central

pitch adjustment range 5°—45°

76181.

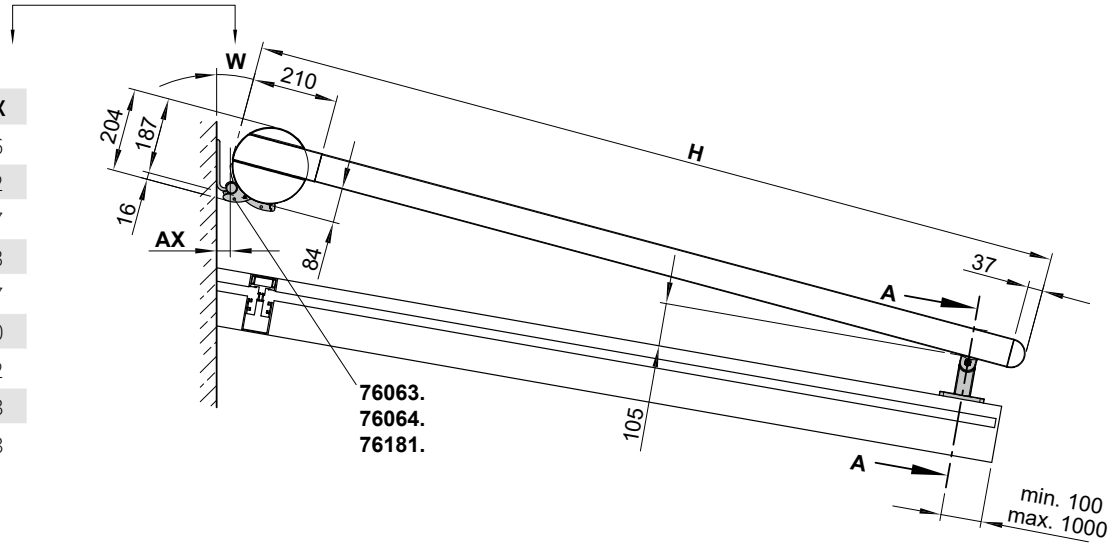


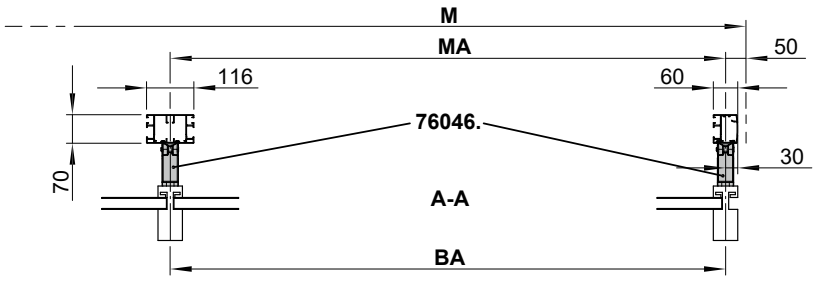
flat track bracket with adjustable head

for lateral guide track fixture

76049.

W	AX
5°	26
10°	32
15°	37
20°	43
25°	47
30°	50
35°	52
40°	53
45°	53



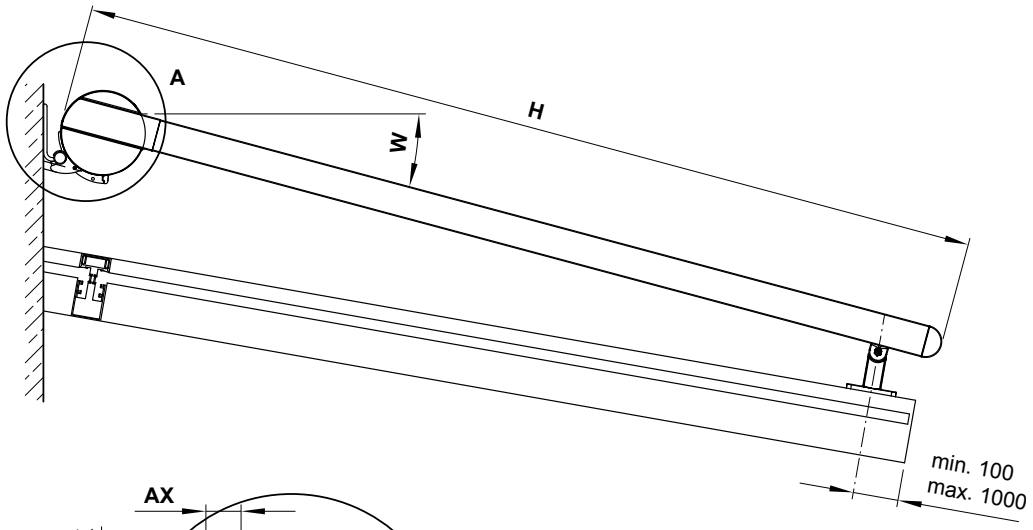


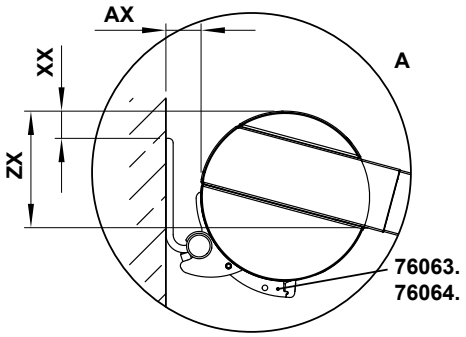
AX = distance from cassette to wall
BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width
W = pitch

dimensions in mm

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

Face fixture and track brackets with adjustable head





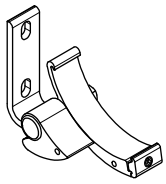
W	AX	XX	ZX
5°	26	49	112
10°	32	38	120
15°	37	30	128
20°	43	22	135
25°	47	13	142
30°	50	4	149
35°	52	– 5	156
40°	53	– 15	161
45°	53	– 24	167

AX = distance from cassette to wall
H = **order dimension** = projection
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)

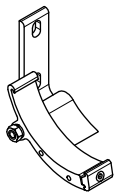
Fixtures, fittings and accessories



face fixture cassette bracket, left

pitch adjustment range 5°—45°

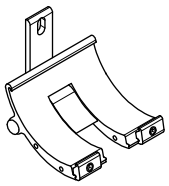
76063.



face fixture cassette bracket, right

pitch adjustment range 5°—45°

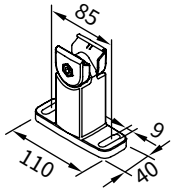
76064.



coupling cassette bracket, central

pitch adjustment range 5°—45°

76181.

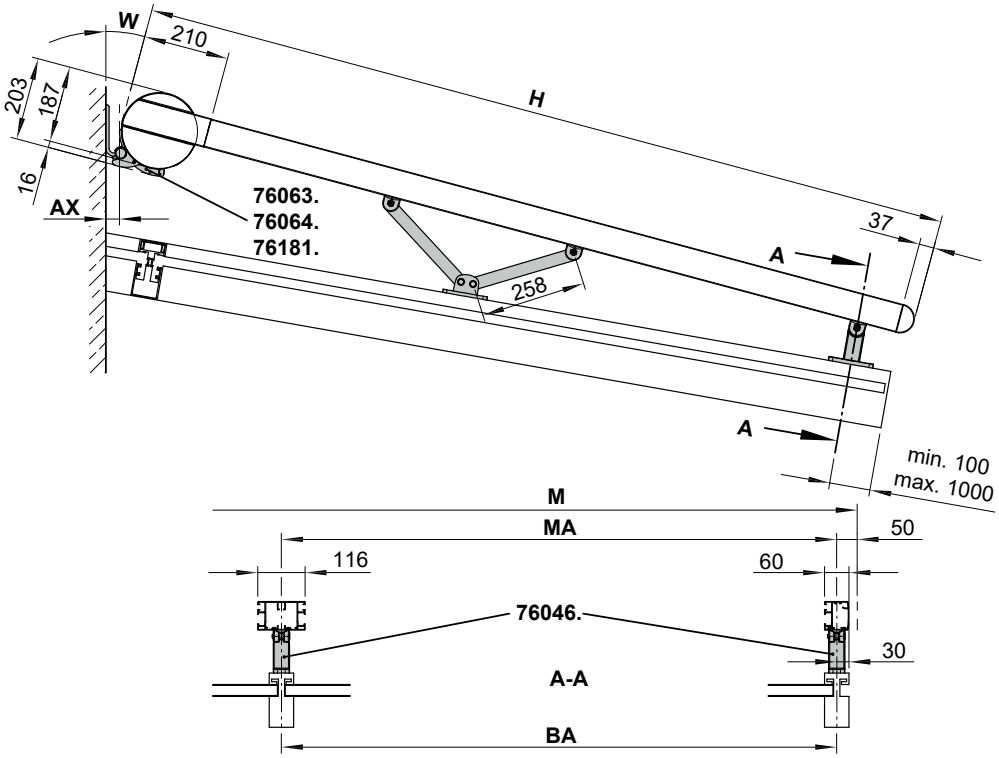


track bracket, with adjustable head

100 mm

76046.

W	AX
5°	26
10°	32
15°	37
20°	43
25°	47
30°	50
35°	52
40°	53
45°	53

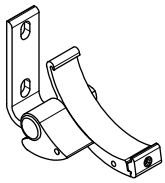


AX = distance from cassette to wall
BA = width between fixture points
H = **order dimension** = projection
M = awning width
MA = **order dimension**= awning fixture width = fixture width
W = pitch

dimensions in mm

Dimension overview fixture combination 22

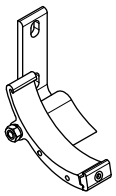
Fixtures, fittings and accessories



face fixture cassette bracket, left

pitch adjustment range 5°—45°

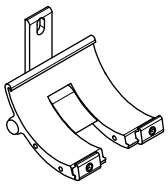
76063.



face fixture cassette bracket, right

pitch adjustment range 5°—45°

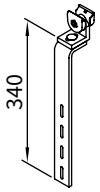
76064.



coupling cassette bracket, central

pitch adjustment range 5°—45°

76181.

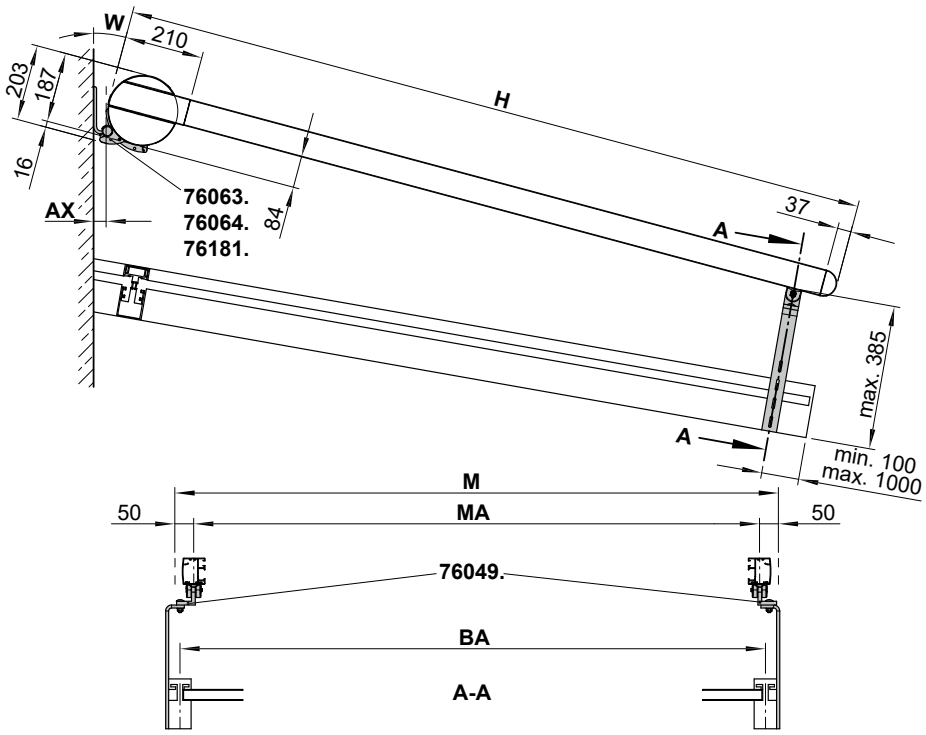


flat track bracket with adjustable head

for lateral guide track fixture

76049.

W	AX
5°	26
10°	32
15°	37
20°	43
25°	47
30°	50
35°	52
40°	53
45°	53

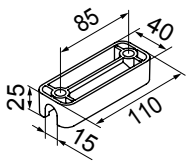


AX = distance from cassette to wall
BA = width between fixture points
H = **order dimension** = extension
M = awning width
MA = **order dimension** = awning fixture width = fixture width
W = pitch

dimensions in mm

Dimension overview eaves fixture with additional bracket fitting

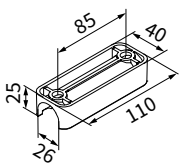
Fixtures, fittings and accessories



track bracket accessory
width 14 mm

for direct assembly on
conservatory rafters

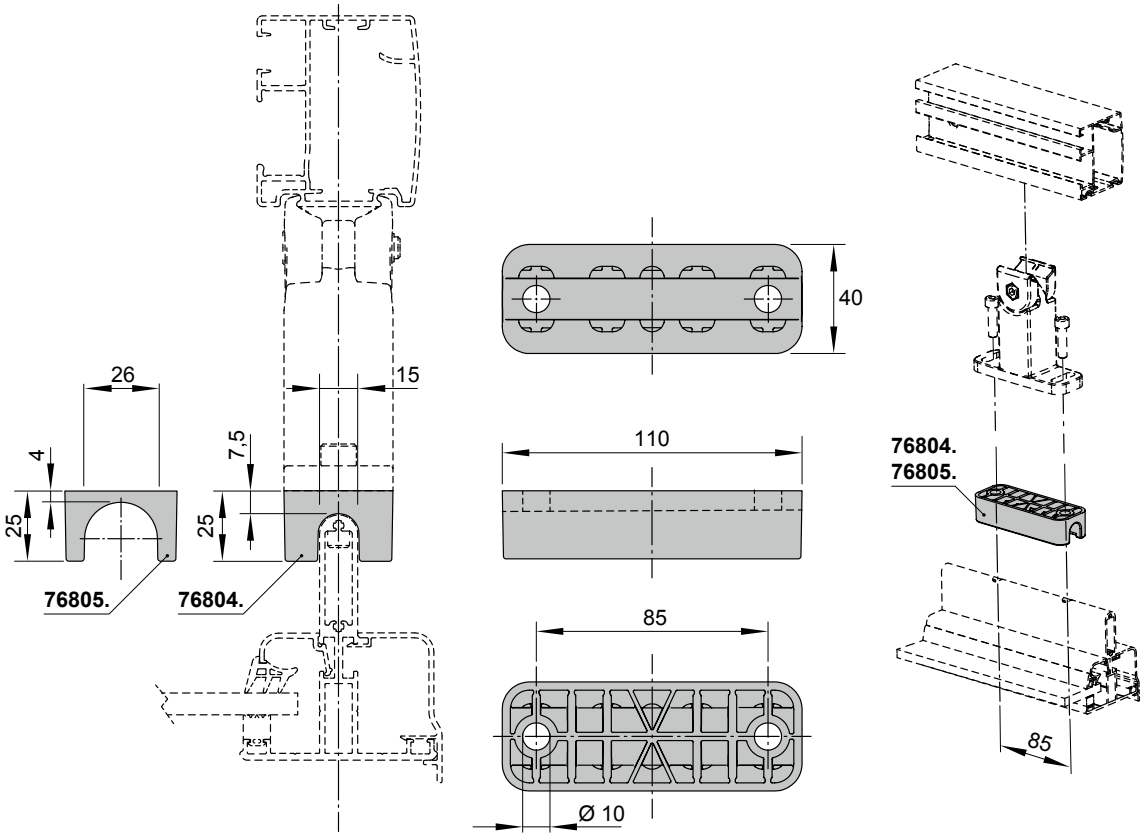
76804.



track bracket accessory
width 25 mm

for direct assembly on
conservatory rafters

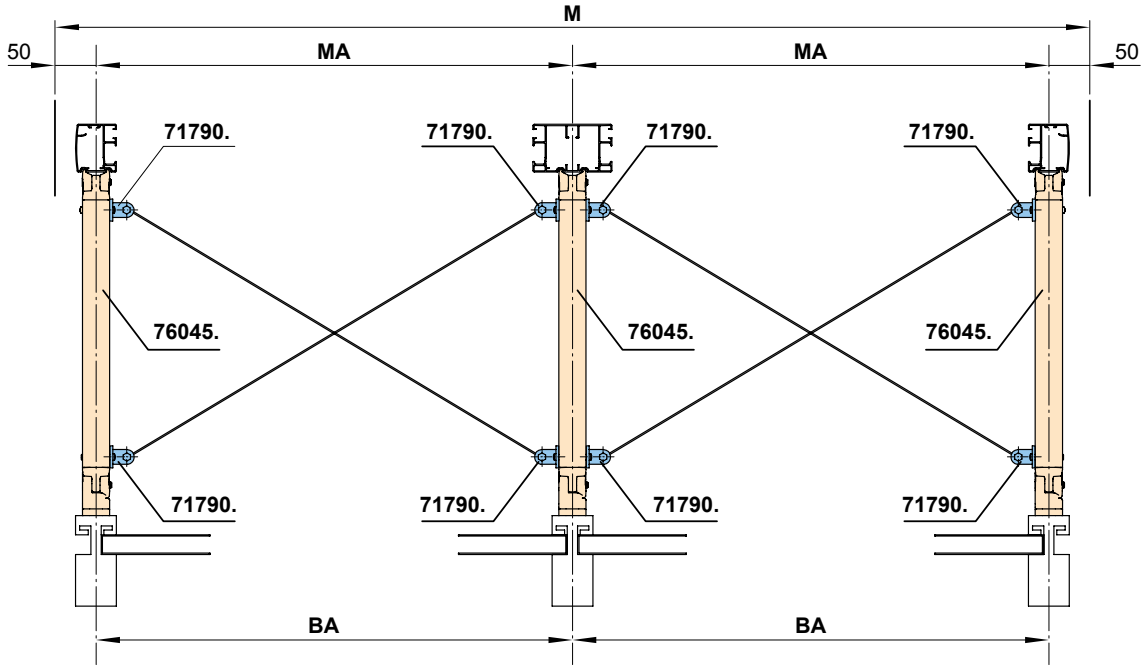
76805.



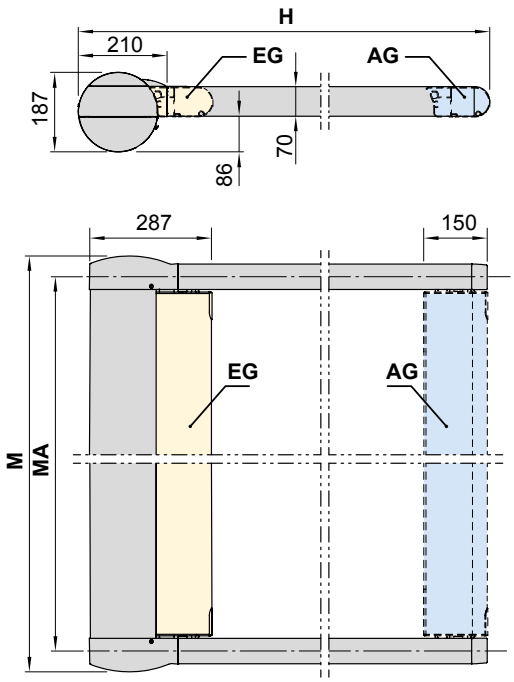
dimensions in mm

Overview of dimensions

Diagonal tensioning kit for raised bottom fixture



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

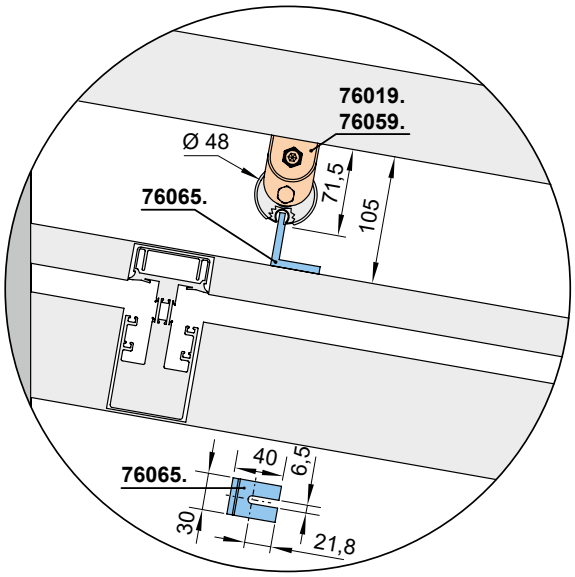


AG = extended
BA = width between fixture points
MA = **order dimension** = awning fixture width = fixture width
EG = retracted
H = **order dimension** = extension
M = awning width
71790. = diagonal tensioning kit
76045. = track bracket, with adjustable headand foot

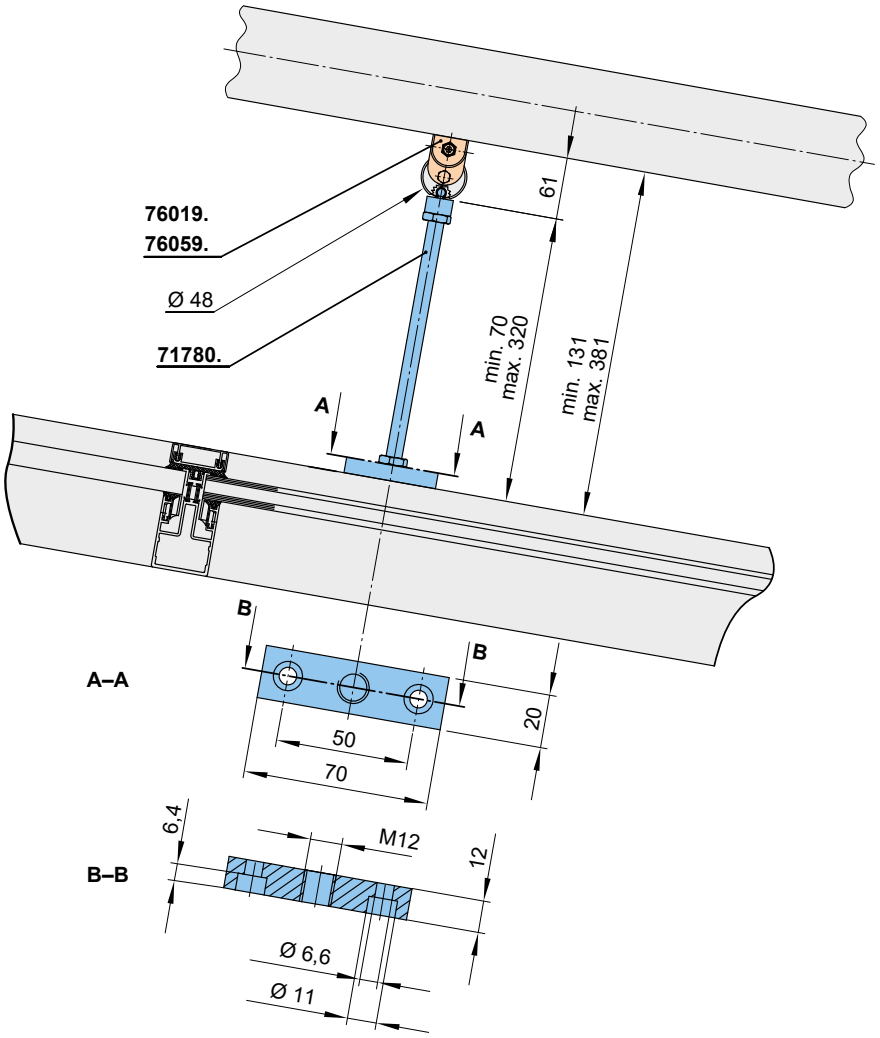
dimensions in mm

Overview of dimensions, support to prevent deflection

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



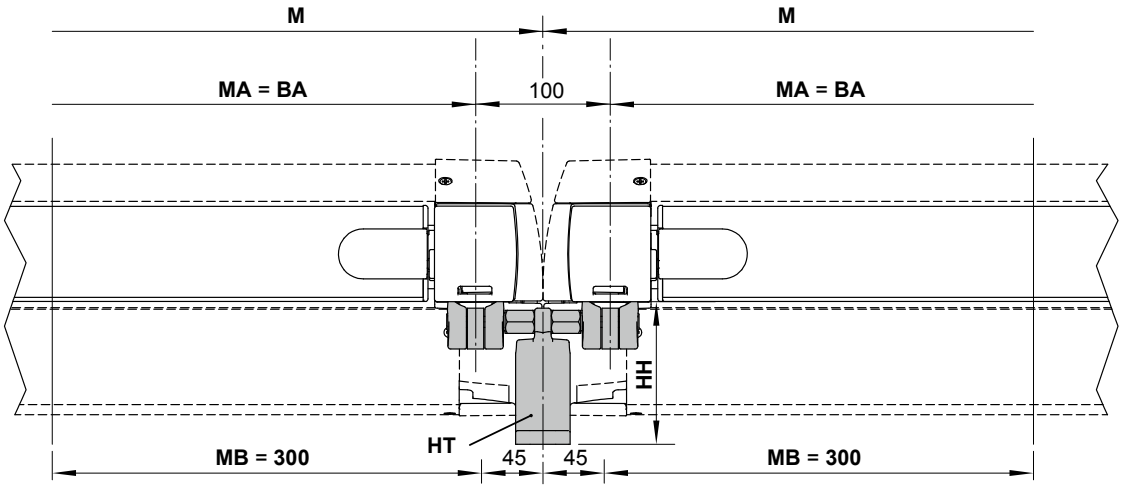
Support to prevent deflection of the cover support tube, can be shortened on site, height range 70–320 mm



71780. = bracket to prevent deflection of the cover support tube
76019. = bracket for cover support tube
76059. = coupling bracket for cover support tube
76065. = angled support bracket

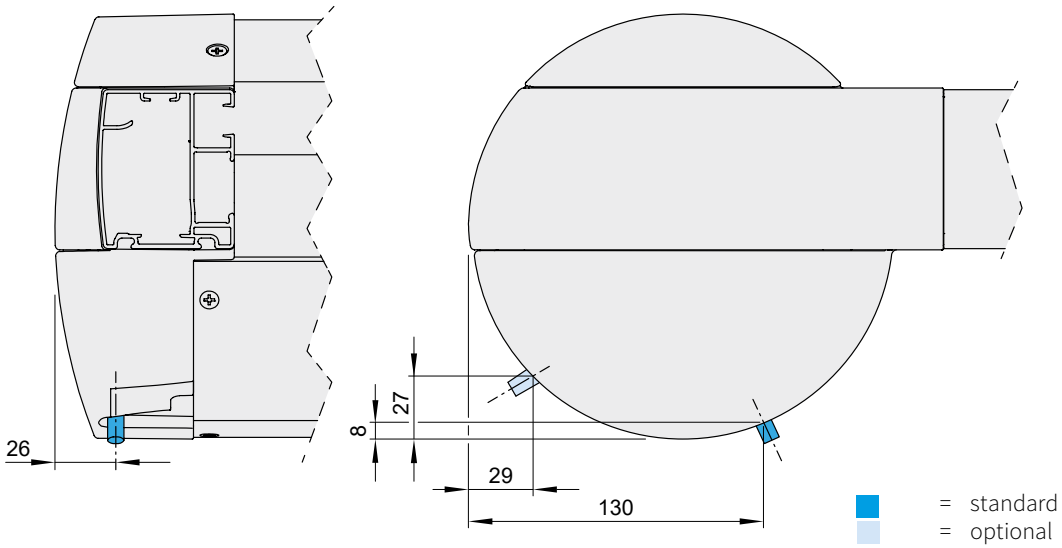
dimensions in mm

Overview of dimensions, double track bracket for single units



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

Motor cable exit point [1)]



1) depending on the operation side, left or right

BA = width between fixture points
HH = bracket height
HT = bracket
M = awning width
MA = **order dimension** = awning fixture width = fixture width
MB = bracket fixture range

76191. = double track bracket 100 mm
76192. = double track bracket 140 mm
76193. = double track bracket 140–500 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