Awning System

markilux construct

More free space, opening up boundless possibilities.
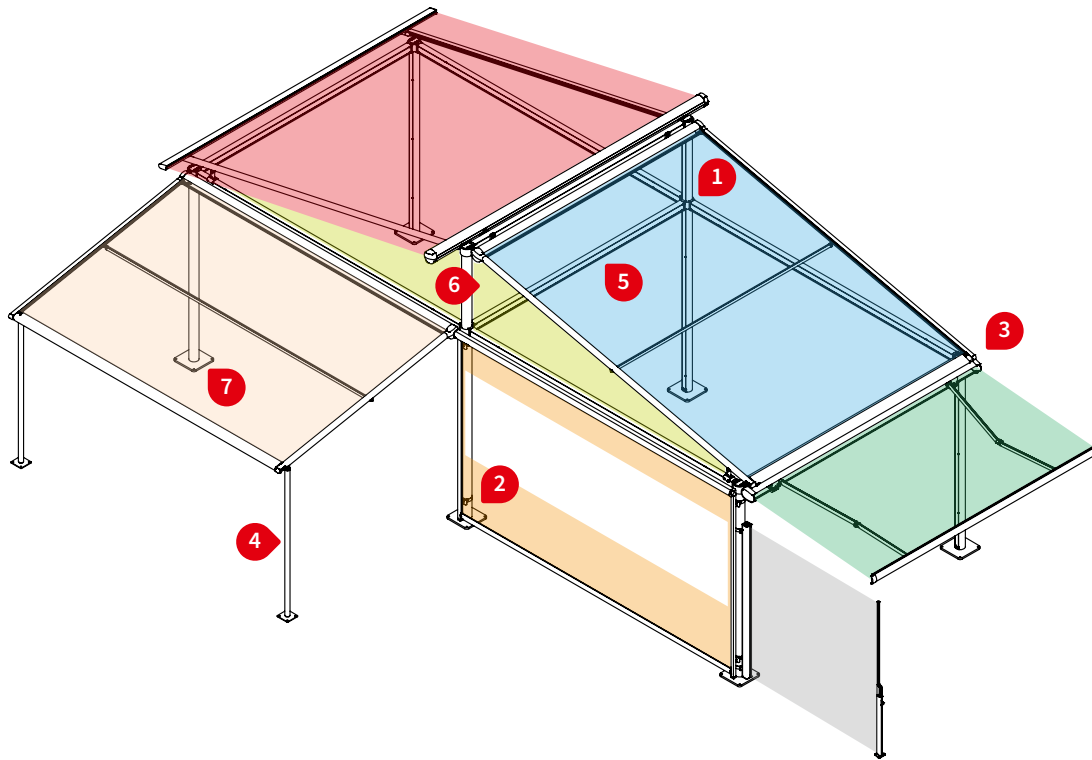
markilux

safe timeless beautiful

01
02
03
04
05
06
07

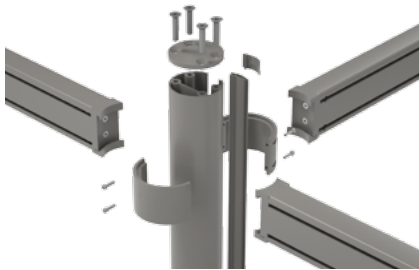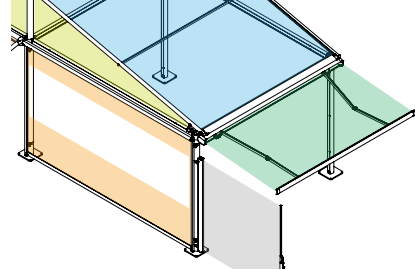# Product characteristics

1 modular system: the cross beams can be positioned at will

2 ingenious bracket system for installing various blinds [1]

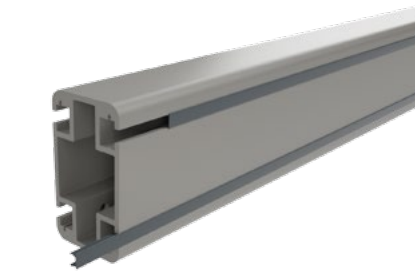**3** combination example of the markilux 8800 / 876 / 5010

● cabling is run through maintenance ducts

4 available with either round or square posts

5 continuous bracket slots, with plastic fillet [1]

6 gable end with triangular acrylic glass window [1] or awning fabric [1]

● cover profile for where the awning is mounted [1]

7 covers [1] for the post footplates

1) optional configuration

Product characteristics

Description

- free-standing, modular frame system made of aluminium offering almost unlimited possibilities for sun and weather protection over large areas.

Special features

- a modular and flexible system, which can be combined with almost all markilux shading systems
- support posts optionally with round or square shaped profiles, incl. screw-on footplates
- the construction with well thought-out connecting elements is based on the a modular design principle
- the cross-beam clamp rings can be positioned at any height on the slim posts
- in addition to the square and rectangular design areas, differing post heights can offer 3-dimensional design possibilities as well
- free-standing assembly or fixture to one side wall is possible
- powder coating in seven markilux standard frame colours or in a non-standard colour
- for configuration options, colours and dimensions please consult the chapter of the corresponding awning model in the sales manual

Dimensions

- maximum field width 700 cm
- support post height: standard height 318 mm, maximum height 450 cm
- support posts available in intermediate heights

Awning profiles

- extruded aluminium, in façade quality, powder coated
- support posts round Ø 140 mm or square 125 × 125 mm
- post base plate square 400 × 400 mm, galvanised steel
- rectangular cross beam, height 140 mm × width 80 mm

Optional accessories

- markilux infrared heater
- markilux spotline LED
- attractive footplate covers, made of die-cast aluminium, powder-coated
- cover profile for gap-free awning installation to the frame system
- a wide range of brackets for the installation of folding arm awnings, vertical and side blinds, conservatory and pergola awnings as well as heating and lighting accessories
- triangular acrylic glass sections or fabric covers to close the gable ends
- universal fixture bracket assemblies for displays, TV etc.
- cover profile (traffic white RAL 9016 or anthracite grey similar to RAL 7016) for the bracket slots in the cross-beam

markilux planning service

in the case of larger construction projects, markilux can offer comprehensive planning support on request. Based on dimension data and photographs of the area to be designed, the following services can be carried out on request:

- a realistic photographic representation of the shading system in colour, optionally also as a 3D visualisation
- suggestions for special solutions
- Preparation of technical drawings as a solution to suggestions – can also be used for building permit submissions
- further consultation services until the order is issued

a realistic photographic collage and a detailed detailed technical presentation increase the quality of on-site consultation and the chances of success!

Planning permission

N.B! Please observe that shade systems may be subject to compulsory planning permission regulations depending on the region!

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.

Overview

1 field, showing a round post

9861

9860
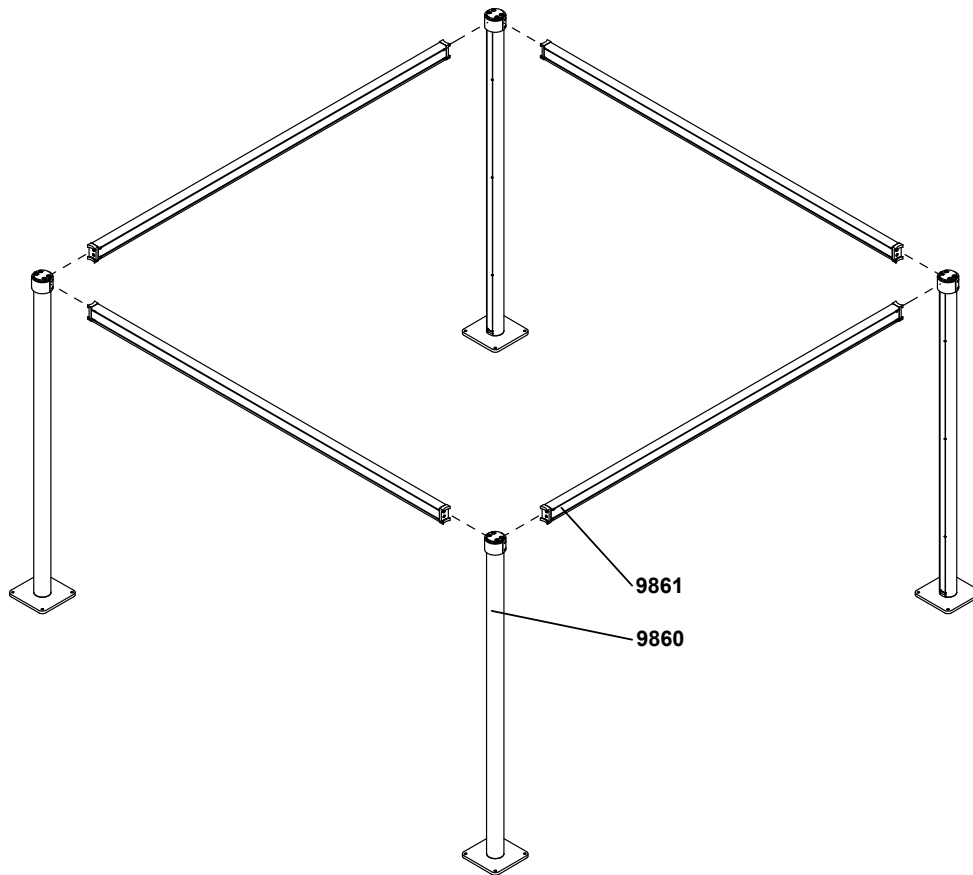
Overview

Round post, corner convergence point with two cross-beams
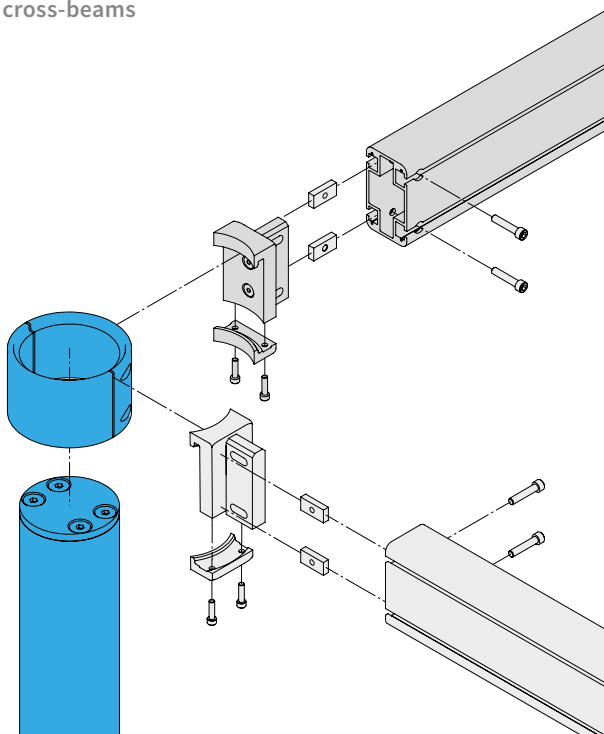
Square post, corner convergence point with two cross-beams
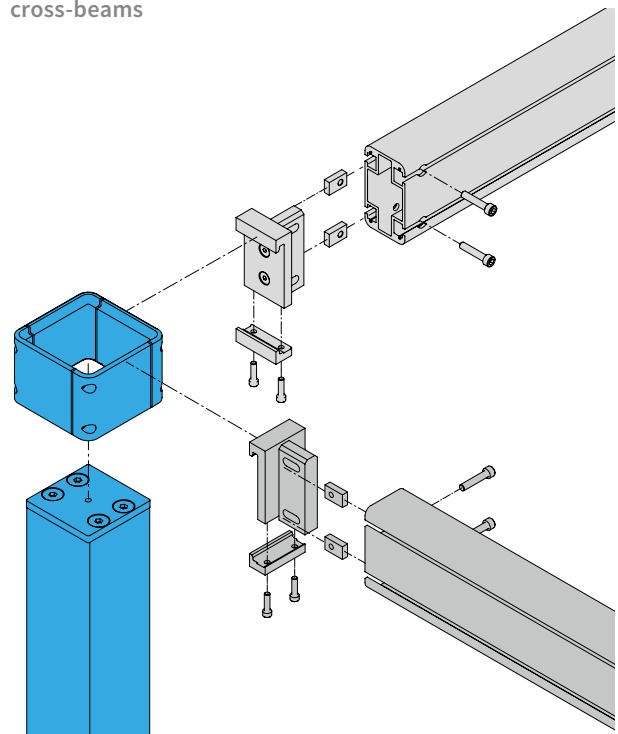
01 Overview

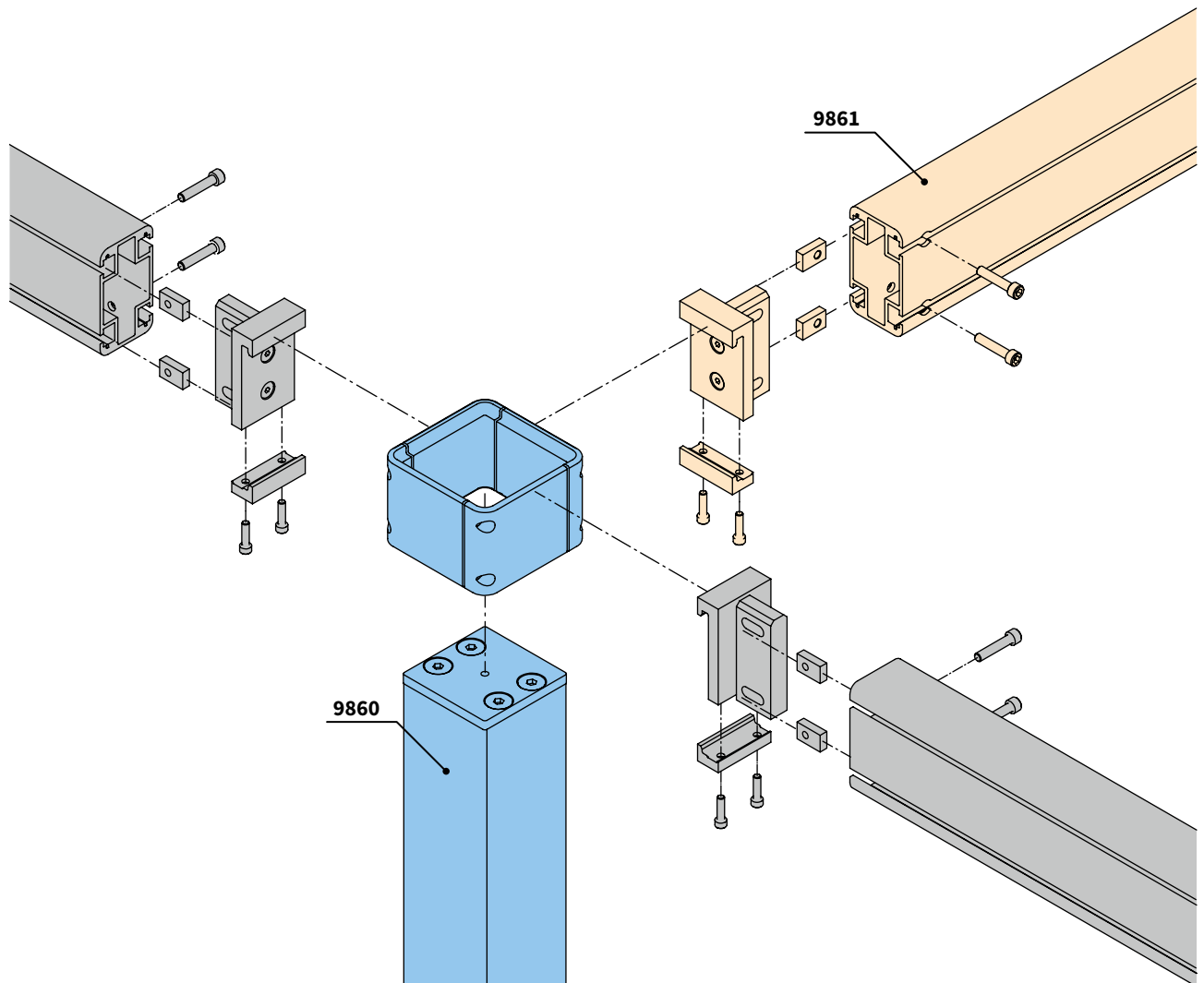**Round post, corner convergence point with three cross-beams**

9861
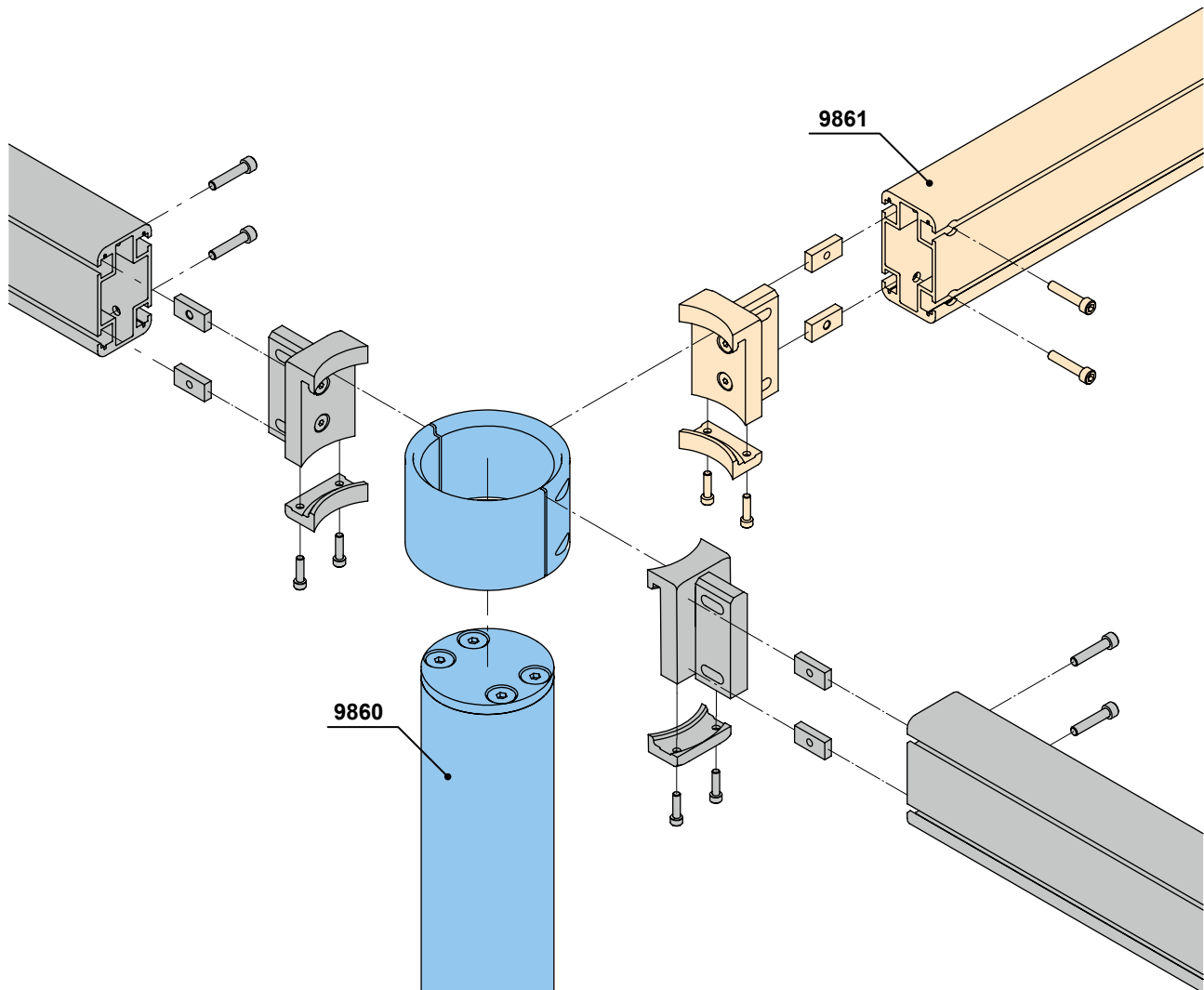
9860

Clamp ring for round post (76820.)
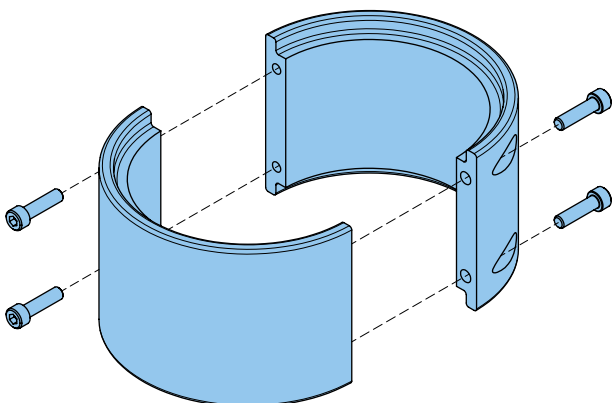
Overview

Square post, corner convergence point with three cross-beams

9861

9860

Clamp ring for square post (72301.)

Overview

01

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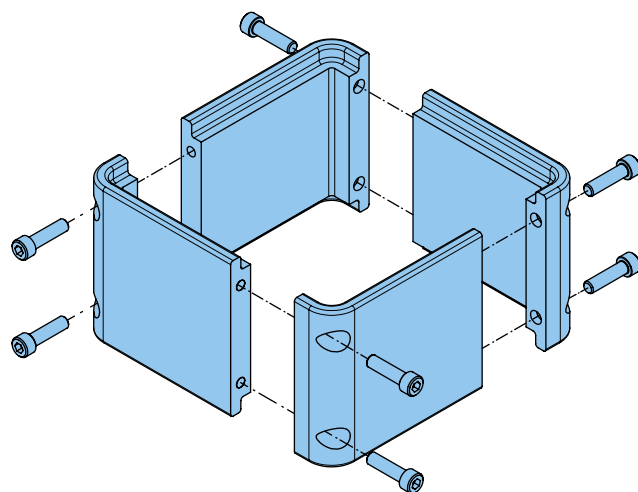
Round post with footplate and clamp ring (9860)

Square post with footplate and clamp ring (9860)
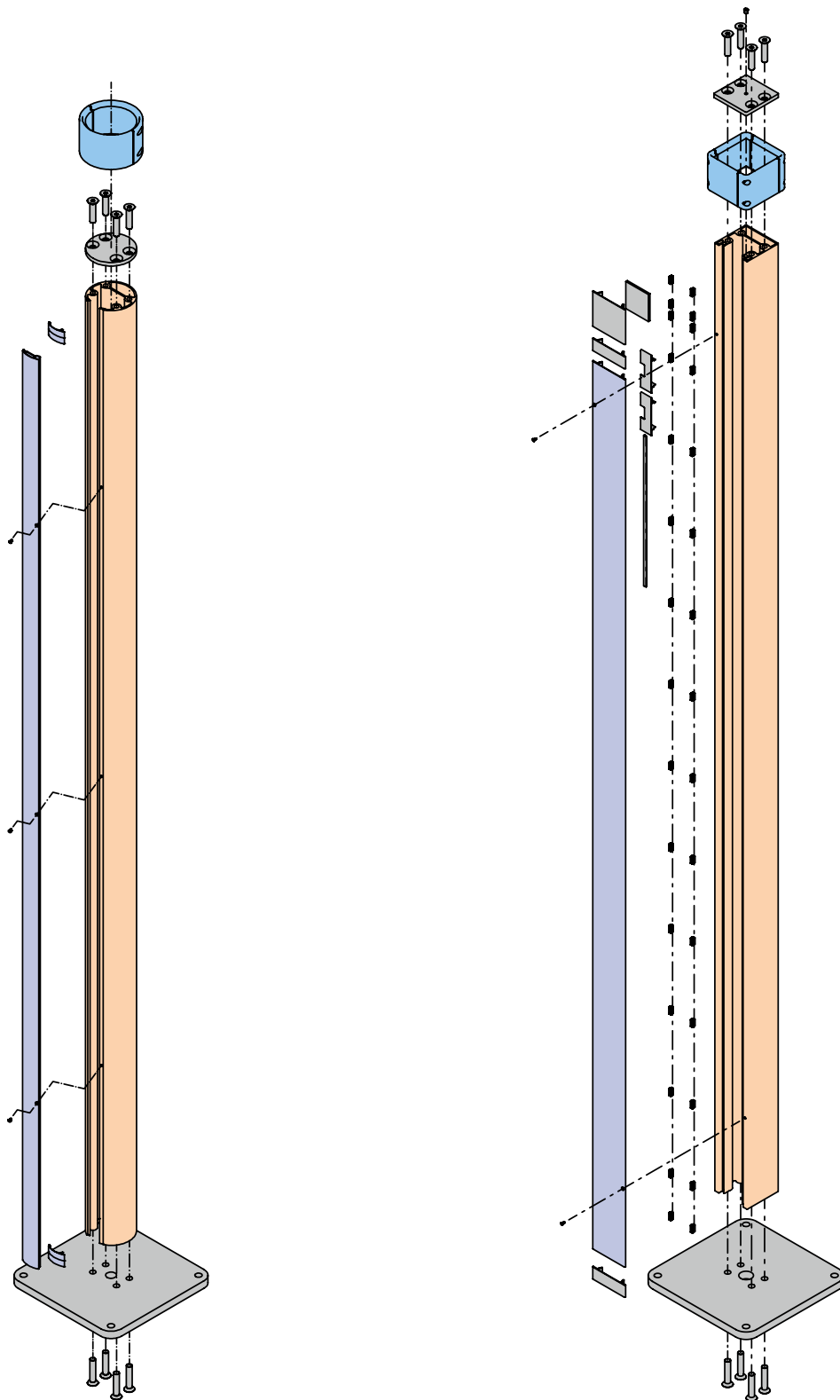
Post height: standard 3180 mm, max. 4500 mm

Overview of fixture dimensions

1 field, free-standing
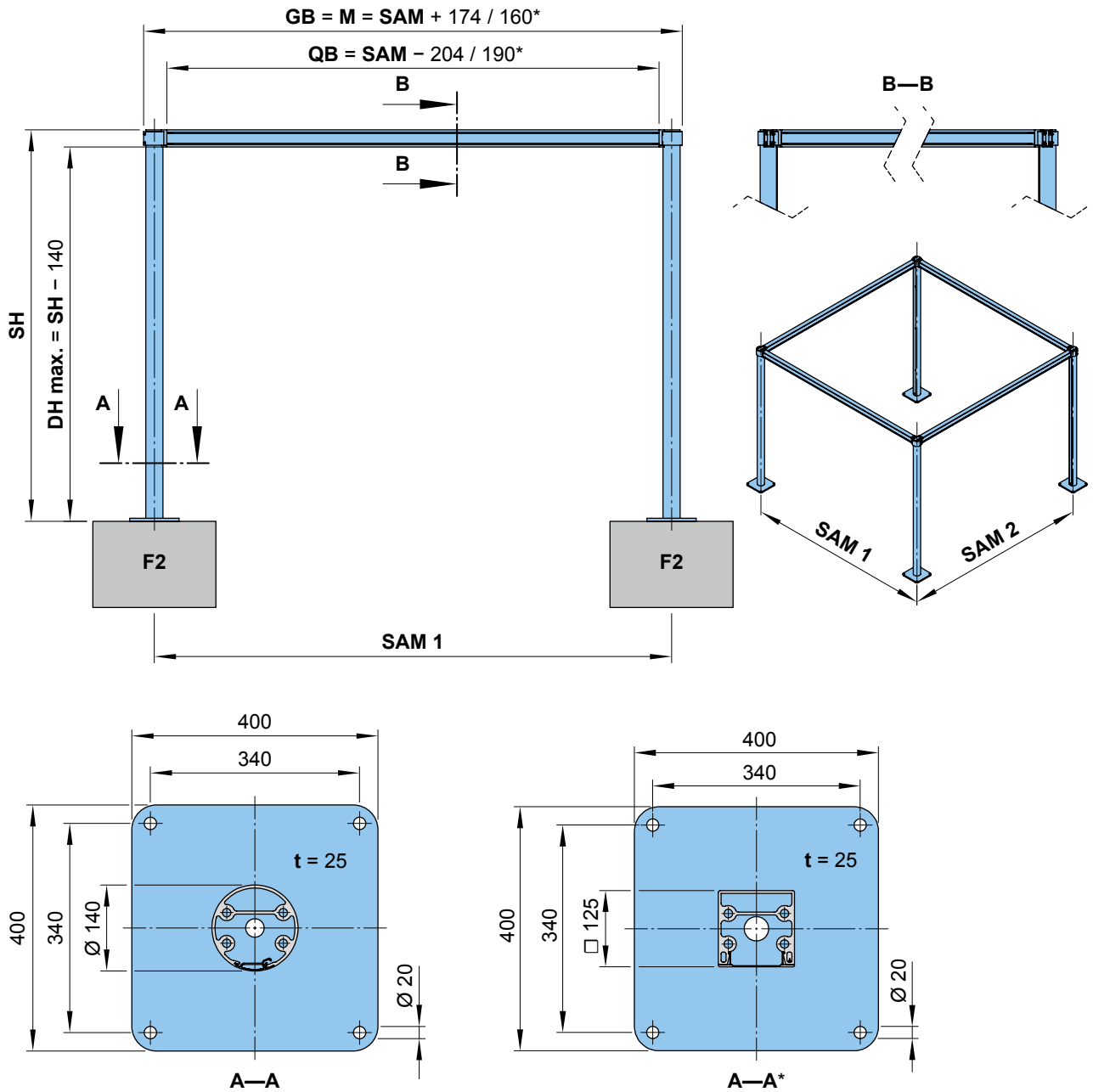
$$GB = M = SAM + 174 / 160*$$

$$QB = SAM - 204 / 190*$$

B

B

B—B

SH

DH max. = SH − 140

A   A

F2   F2

SAM 1

SAM 1   SAM 2

400
340
t = 25
Ø 140
400   340
Ø 20

A—A

400
340
t = 25
□ 125
400   340
Ø 20

A—A*

*	= information referring to square posts	QB	= length of cross beam
DH	= headroom		(max. length = 7000 mm) = SAM − 204 / 190* mm
F2	= concrete foundation	SAM	= *order dimensions* = post separation, centre to centre
GB	= total width = M = SAM + 174 / 160* mm	SH	= *order dimensions* = post height (standard: 3180 mm / max.: 4500 mm)
M	= overall awning width	t	= material thickness dimensions in mm

Overview of fixture dimensions

Wall sealing profile

$GB = SAW + 87 / 80*$

$QB = SAW - 124 / 117*$

200

155

$t = 25$

$\varnothing 18$

155

200

SH

DH max. $= SH - 140$

$AH = SH - 170$

$AH = SH - 170$

B—B

A A

F2

SAW

400

340

$t = 25$

$\varnothing 140$

340

400

$\varnothing 20$

A—A

400

340

$t = 25$

$\square 125$

340

400

$\varnothing 20$

A—A*
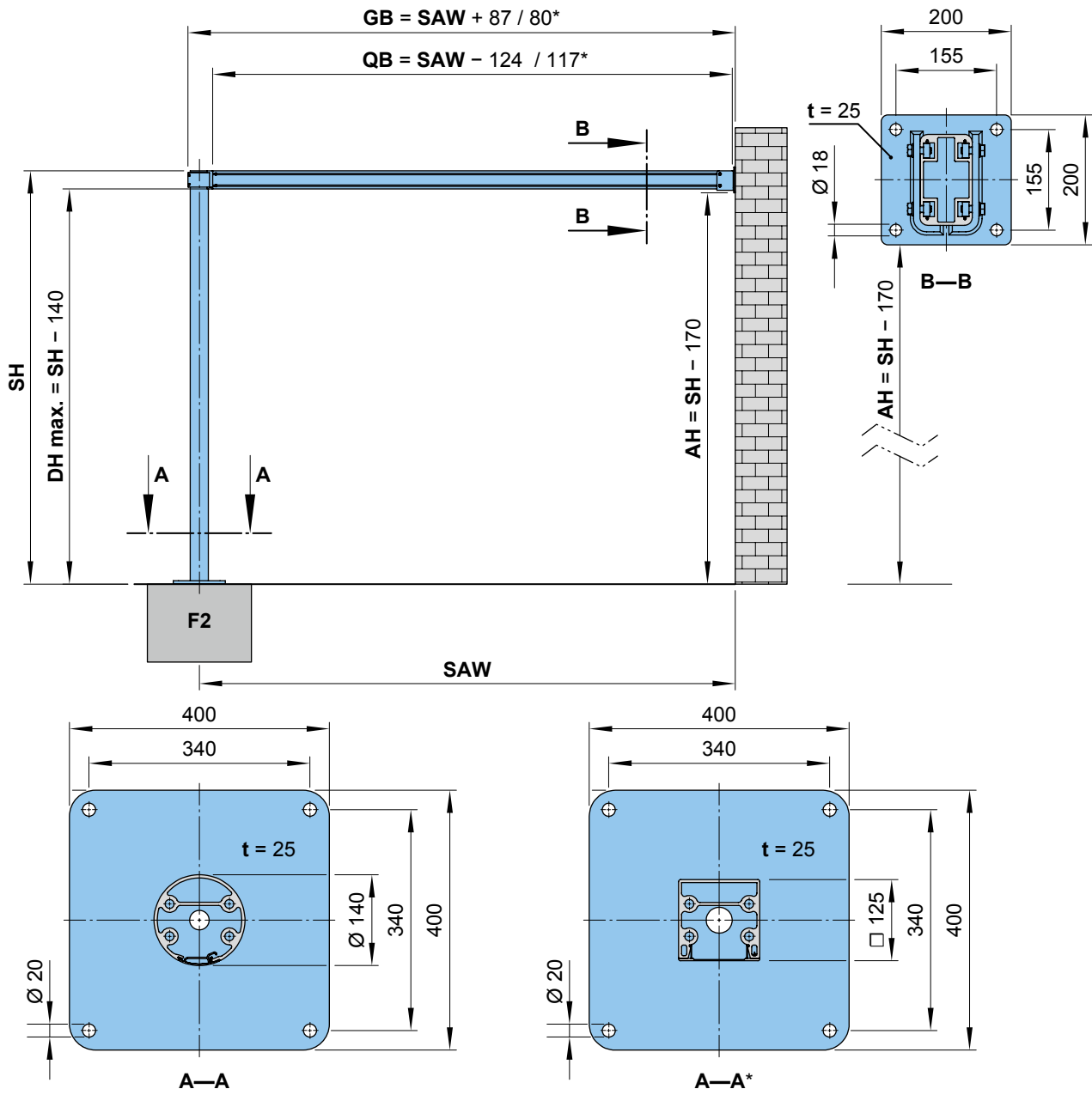
AH	= fixture height = SH − 170 mm	**SAW**	= *order dimension* = distance post centre ◀—▶ mounting surface
DH	= headroom	**SH**	= *order dimension* = post height (standard: 3180 mm / max.: 4500 mm)
F2	= concrete foundation	**t**	= material thickness
GB	= total width = SAW + 87 / 80* mm		
QB	= length of cross-beam		
	(max. length = 7000 mm) = SAM − 124 / 117* mm		dimensions in mm

Overview of fixture dimensions

Different post heights
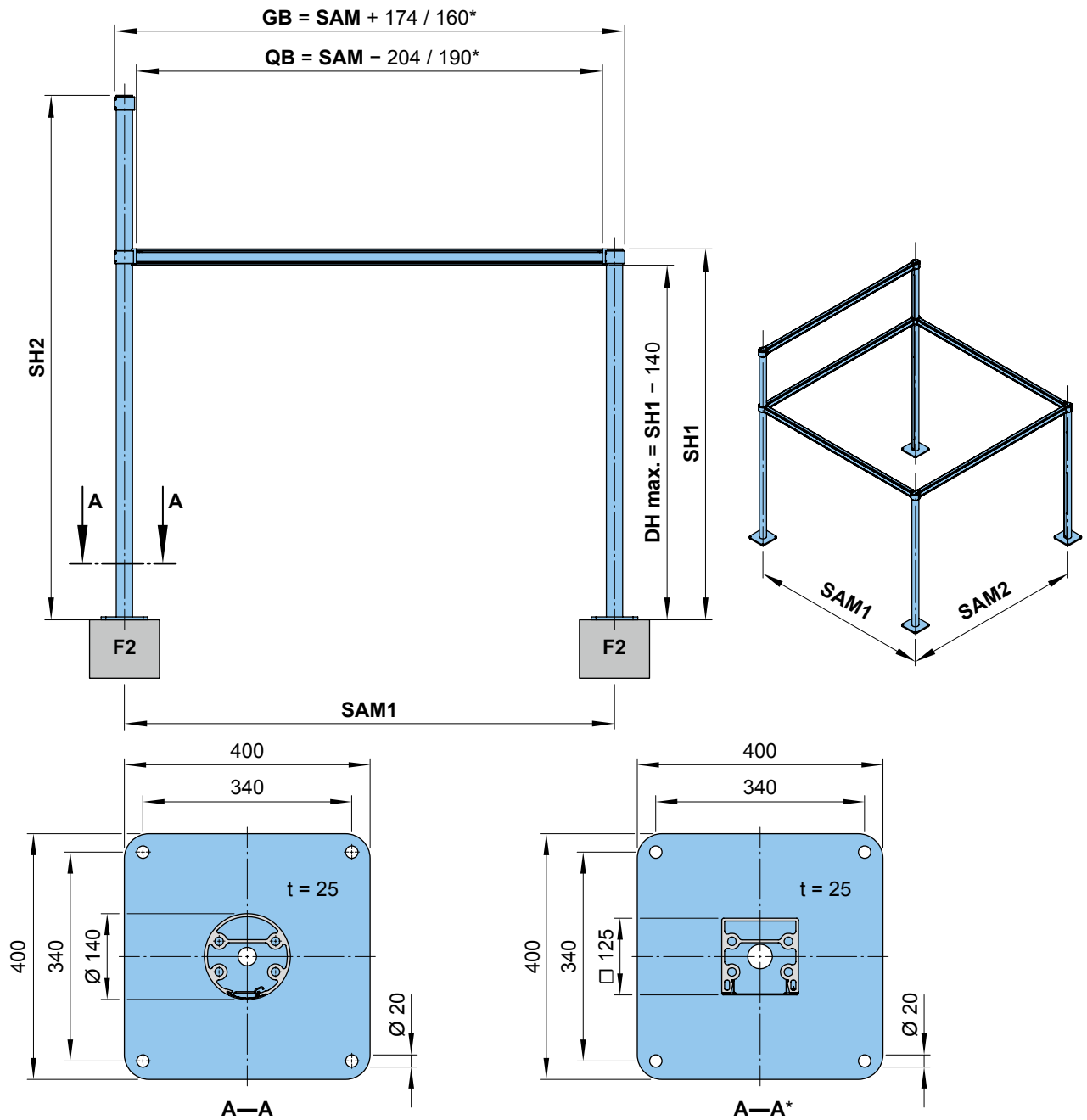
$$GB = SAM + 174 / 160*$$

$$QB = SAM − 204 / 190*$$

SH2

A   A

DH max. = SH1 − 140

SH1

F2   F2

SAM1

SAM1   SAM2

400

340

t = 25

400   340   Ø 140   Ø 20

A—A

400

340

t = 25

400   340   □ 125   Ø 20

A—A*

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*	= information referring to square posts	**SAM** =	*order dimensions* = post separation centre to centre
DH	= headroom	**SH** =	*order dimension* = post height (standard: 3180 mm / max.: 4500 mm)
F2	= concrete foundation	**t** =	material thickness
GB	= total width = M = SAM + 174 / 160* mm		
QB	= length of cross beam		
	(max. length = 7000 mm) = SAM − 204 / 190* mm		dimensions in mm

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Concrete foundations

To be supplied on site:

Concrete foundations owith a compressive strength complying with C25/30 (previously B25) with ra reinforcement cage made of rebar matting Q188.

F2

dimensions in cm
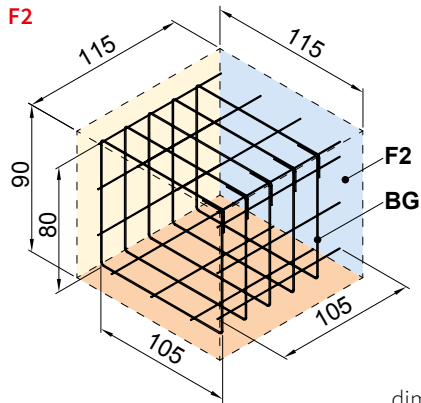
Fixture to concrete foundation F2

using Fischer marine-grade stainless steel anchor bolts FAZ II 16/50 and washers certified to DIN 9021 (or equivalent)

Alternatively fixture can be realised using the Krinner ground screws. Adapter sets for installation to these are available.

Dimensions overview

Overall height (GH) with different awning models
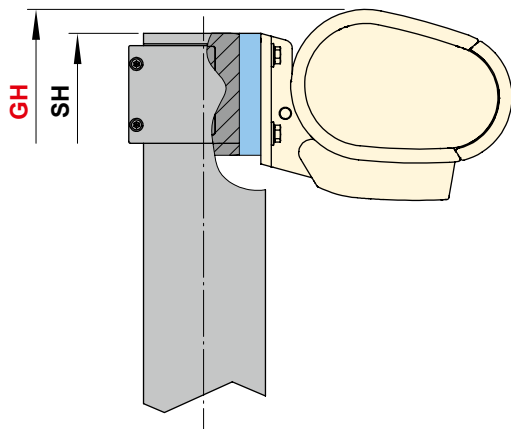
GH = overall height

SH = *order dimension* = support post height
(standard: 3180 mm / max.: 4500 mm)

W = awning pitch

Awning	GH (W=15°)
markilux 6000	SH + 25
markilux 5010	SH + 0
markilux 3300 pur	SH + 43
markilux 990	SH + 27
markilux 1710	SH + 53
markilux 1710 stretch	SH + 53
markilux 1600	SH + 59
markilux 1600 stretch	SH + 59
markilux 1650	SH + 59
markilux 930 swing	SH + 27
markilux 1300 basic	SH + 61
markilux 1700	SH + 53
markilux 1700 stretch	SH + 53
markilux 8800	SH + 40
markilux pergola	SH + 40

dimensions in mm

Fixtures, fittings and accessories

Fixture and accessories for folding-arm awnings
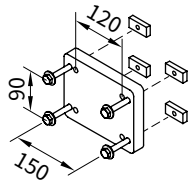
fixture options

for markilux 6000,
markilux 5010 to the
markilux construct

180 × 140 × 25 mm

76913.
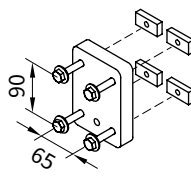
fixture options

for markilux 1600, 1700,
1710, 3300 pur to the
markilux construct

100 × 140 × 25 mm

76914.
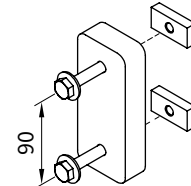
fixture options

for markilux 1600, 1700,
1710, 3300 pur to the
markilux construct

60 × 140 × 25 mm

76915.
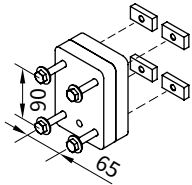
fixture options

for markilux 990,
markilux 930 swing
to the markilux construct
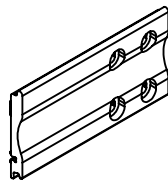
76916.

face fixture bracket

300 mm, right

for fixture of the
markilux 990,
markilux 930 swing
to the markilux construct

70600.
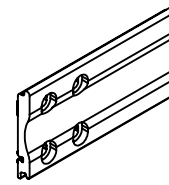
face fixture bracket

300 mm, left

for fixture of the
markilux 990,
markilux 930 swing
to the markilux construct

70617.

Fixture and accessories for the markilux 8800 or markilux pergola
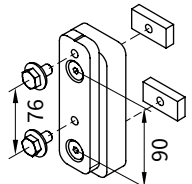
fixture options

for markilux pergola,
markilux 8800
to the markilux construct

76917.
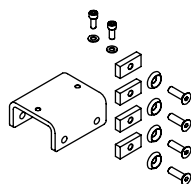
cross-beam adapter with
fixing material

for track bracket markilux
8800 to the markilux
construct

73441.
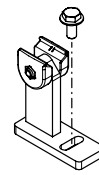
track bracket for post
with fixture options

73446.
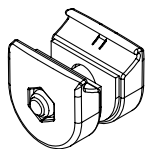
bracket for triangular
acrylic glass

at the top

79571.
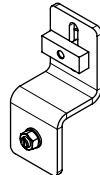
fixture bracket for
bottom channel rail

triangular cover

72914.
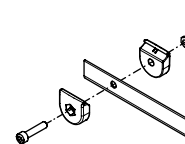
channel rail at top
with bracket

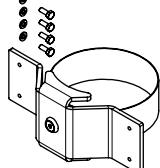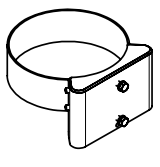triangular cover

72911.

via stand-off brackets

73996.

01

Fixtures, fittings and accessories

02
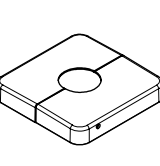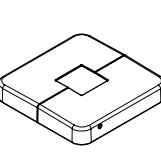
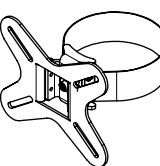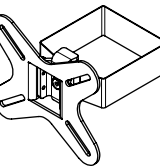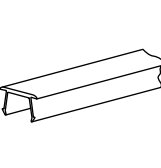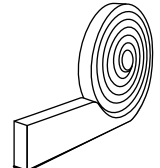**Fixture and accessories for vertical blinds or side screens – round posts**

03

post fixture guide track

corner, one side

round post

04

79558.

post fixture guide track

corner, both sides

round post

05

79556.

post fixture guide track

centre, both sides

round post

79557.

06

post fixture guide track
single and double bracket

round post

07

72206.

80
50
20
50
10
50
50

additional angled bracket,
bearing / gearbox / motor
side for 72206.

50 × 50 × 80 mm

(accessories 787211 for
two brackets required)

78719.

accessories for two
angled brackets 78719.

787211

Fixture and accessories for vertical blinds or side screens – square posts


post fixture guide track

corner, both sides

square post

72233.

post fixture guide track

centre, both sides

square post

72234.

post fixture guide track

corner, one side

square post

72235.

post fixture guide track
single and double bracket

square post

72232.

80
50
20
50
10
50
50

additional angled bracket,
bearing / gearbox / motor
side for 72232.

50 × 50 × 80 mm

(accessories 787211 for
two brackets required)

78719.

accessories for two
angled brackets 78719.

787211

Optional accessories

cover base plate for round
post

72263.

footplate cover for square
posts

72261.

universal bracket for post
Ø 140 mm

79559.

universal bracket for
angular post

72238.

cover profile for cross-
beam

77768.

compression tape,
PU soft foam material
to eliminate gaps,
in rolls of 15 m, gap size
from 3 mm to 7 mm, with
a minimum resistance to
water ingression of 600
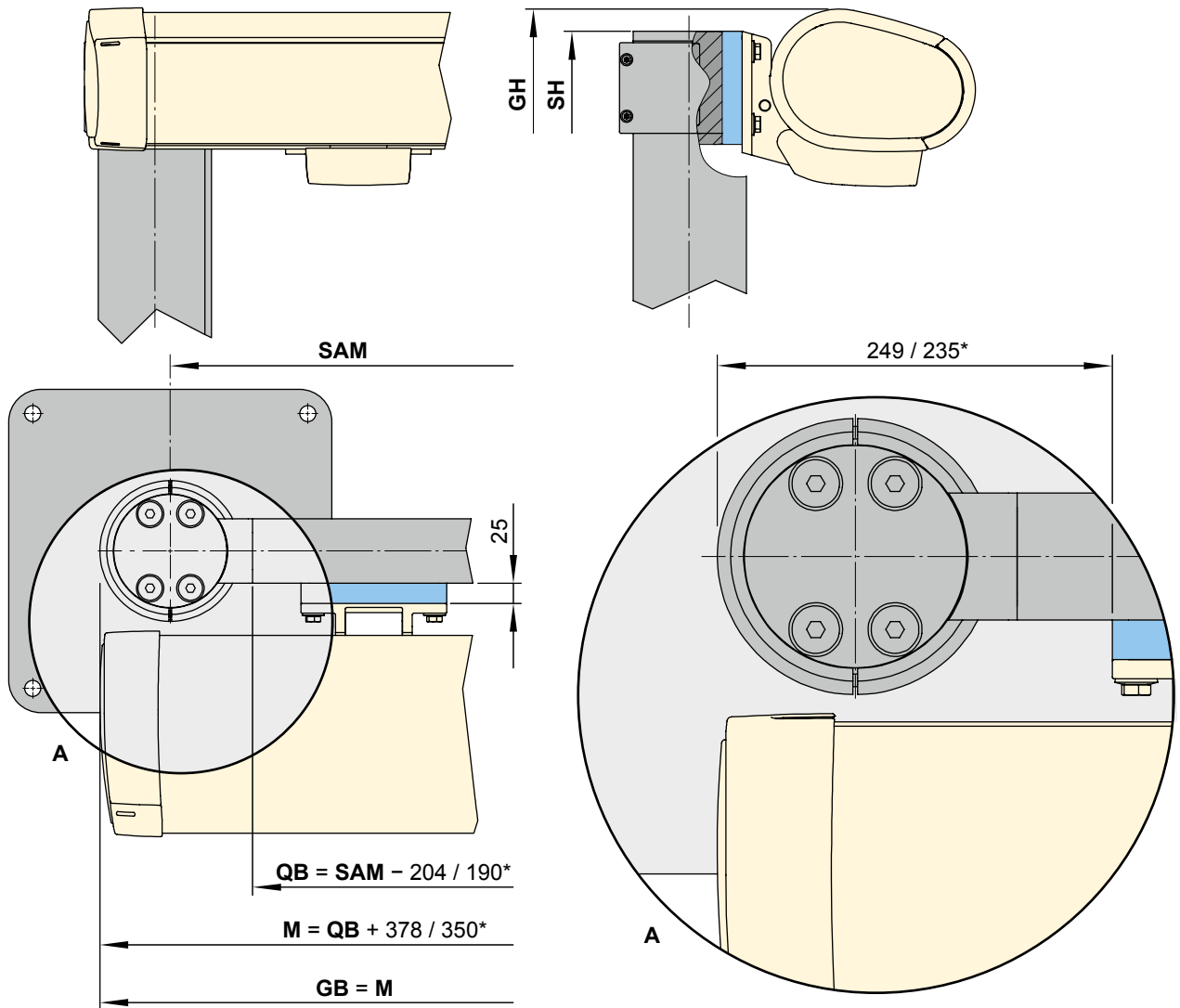Pa, grey

795721

Installation dimensions

markilux 6000 / markilux 5010
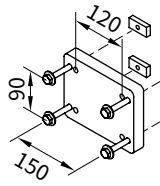
fixture material for the

markilux 6000,
markilux 5010 to the
markilux construct

180 × 140 × 25 mm

76913.

M = awning width = QB + 378 / 350*
QB = cross-beam width (max. length = 7000 mm)
= SAM − 204 / 190* mm

SAM = *order dimensions* = post separation centre to centre

SH = *order dimension* = support post height
(standard: 3180 mm / max.: 4500 mm)

***** = information referring to square posts

GB = total width = M

GH = total height: markilux 5010 = SH / markilux 6000
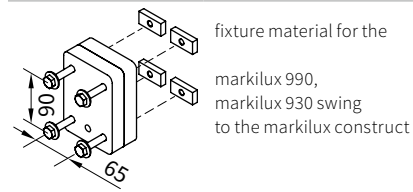= SH + 25 mm (with the awning tilted at 15°)

dimensions in mm

QB = SAM − 204 / 190*

M = QB + 378 / 350*

GB = M

SAM

249 / 235*

25

GH
SH

A

A

Installation dimensions

markilux 990 / markilux 930 swing

fixture material for the markilux 990, markilux 930 swing to the markilux construct	face fixture bracket 300 mm, right for fixture of the markilux 990, markilux 930 swing to the markilux construct	face fixture bracket 300 mm, left for fixture of the markilux 990, markilux 930 swing to the markilux construct
76916.	**70600.**	**70617.**

90
65

GH
SH

SAM

242 / 228*

25

25

A

$QB = SAM - 204 / 190*$

$M = SAM + Y$

$GB = M + Z$

A

5

X
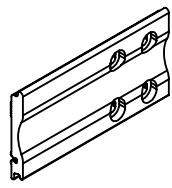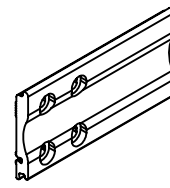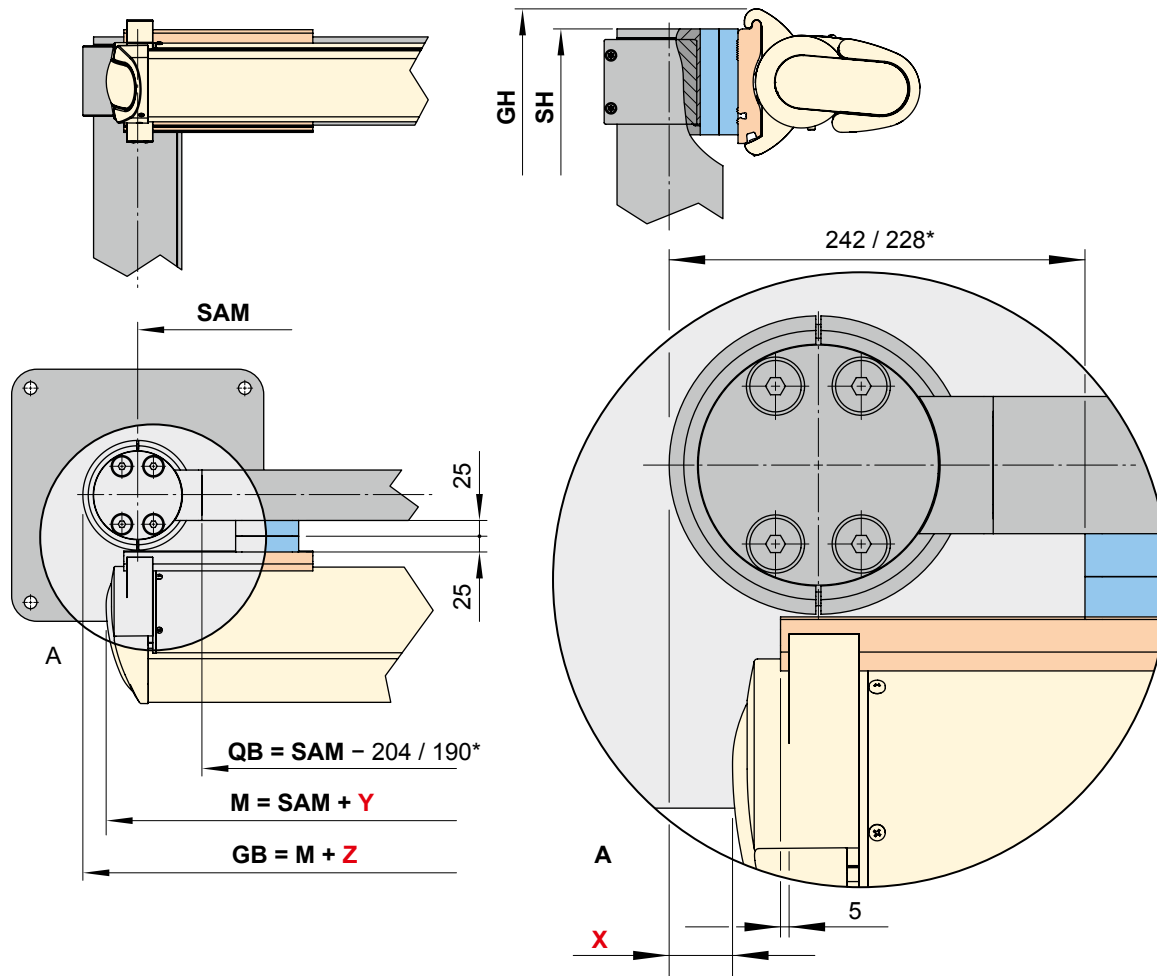
Dimension overview of cross-beam

140
90
80
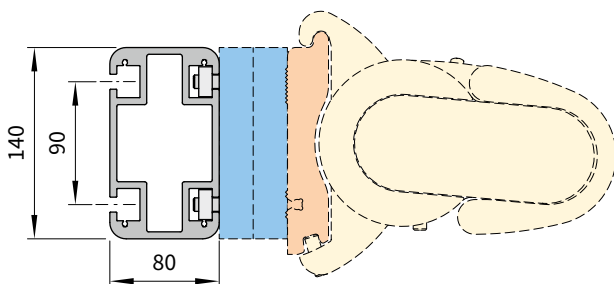
Awning	X	Y	Z
markilux 930 swing	47.5	79	95
markilux 990	37	100	74

* = information referring to square posts

GB = total width = M + Z

GH = total height = SH + 27

M = awning width = QB + 378 / 350*

QB = cross-beam width (max. length = 7000 mm) = SAM − 204 / 190* mm

SAM = *order dimensions* = post separation centre to centre

SH = *order dimension* = support post height
(standard 3180 mm / max. 4500 mm)

dimensions in mm

Installation dimensions
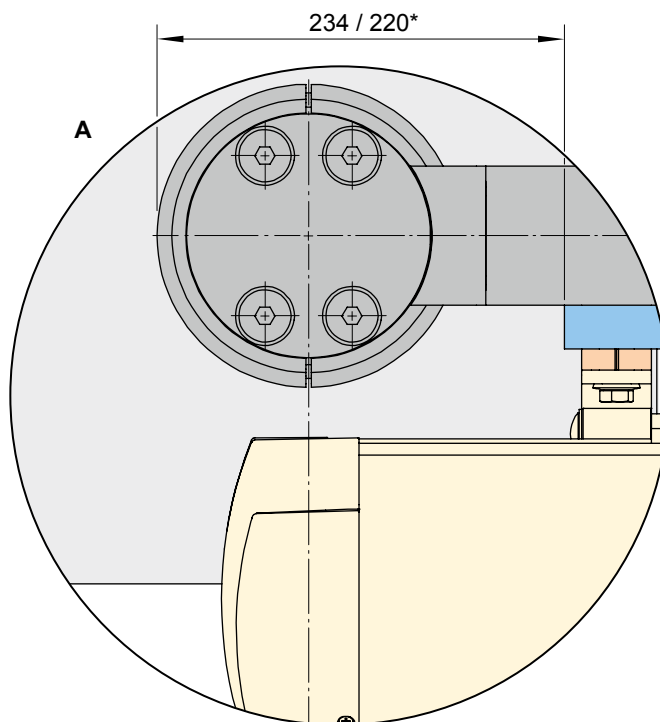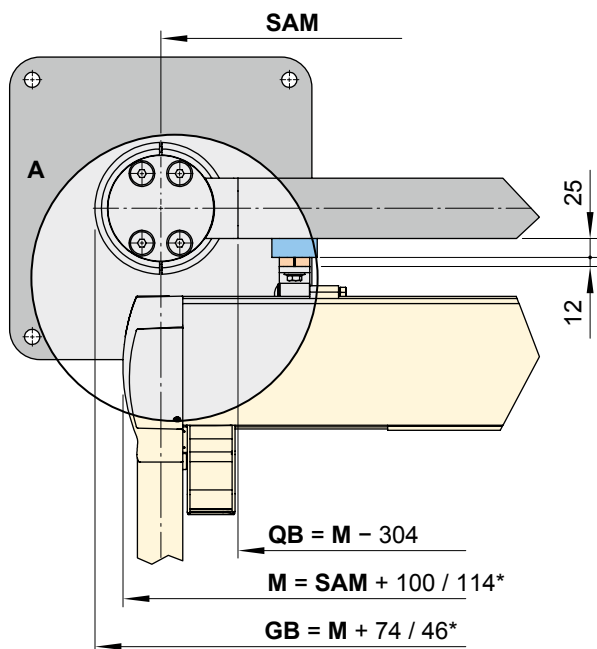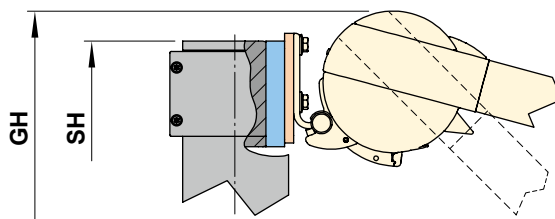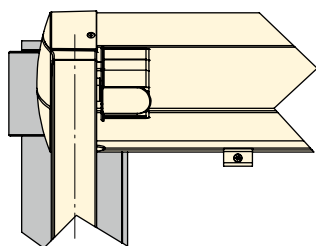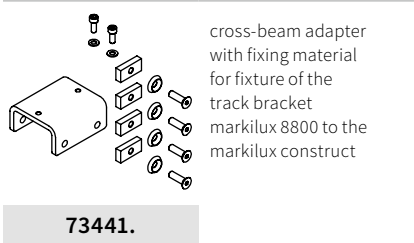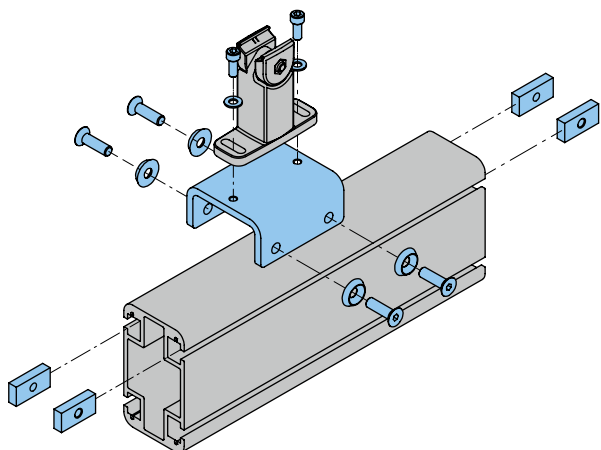
markilux pergola / markilux 8800

fixing material for fixture of the markilux pergola, markilux 8800 to the markilux construct

76
90

76917.

GH
SH

SAM

A

25

12

234 / 220*

A

QB = M − 304

M = SAM + 100 / 114*

GB = M + 74 / 46*

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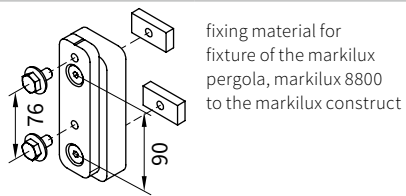
*	= information on angular posts	**QB**	= crossbar width (max. length = 7000 mm) = SAM − 204 / 190* mm
GB	= total width = M + 74 / 46*	**SAM**	= *order dimensions* = post separation, centre to centre
GH	= total height = SH + 40	**SH**	= *order dimension* = support post height
M	= awning width = QB + 378 / 350*		(standard: 3180 mm / max.: 4500 mm) dimensions in mm

01 Overview of fixture dimensions

Cross-beam adapter for track bracket markilux 8800

cross-beam adapter
with fixing material
for fixture of the
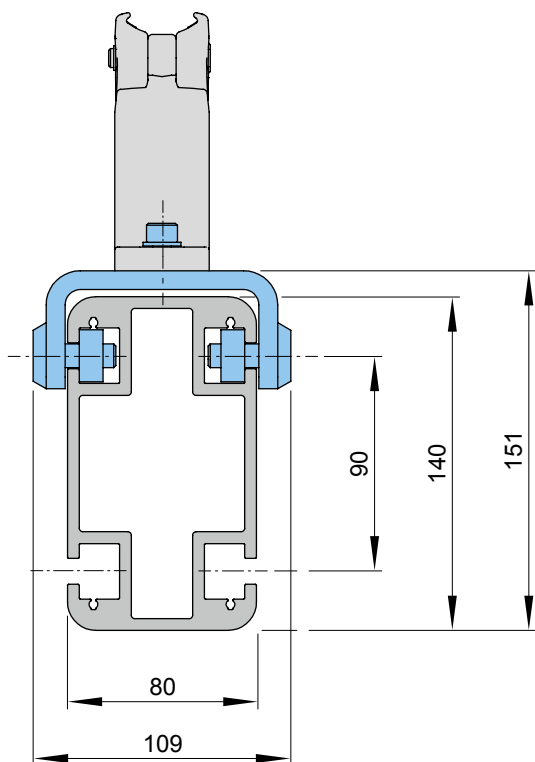track bracket
markilux 8800 to the
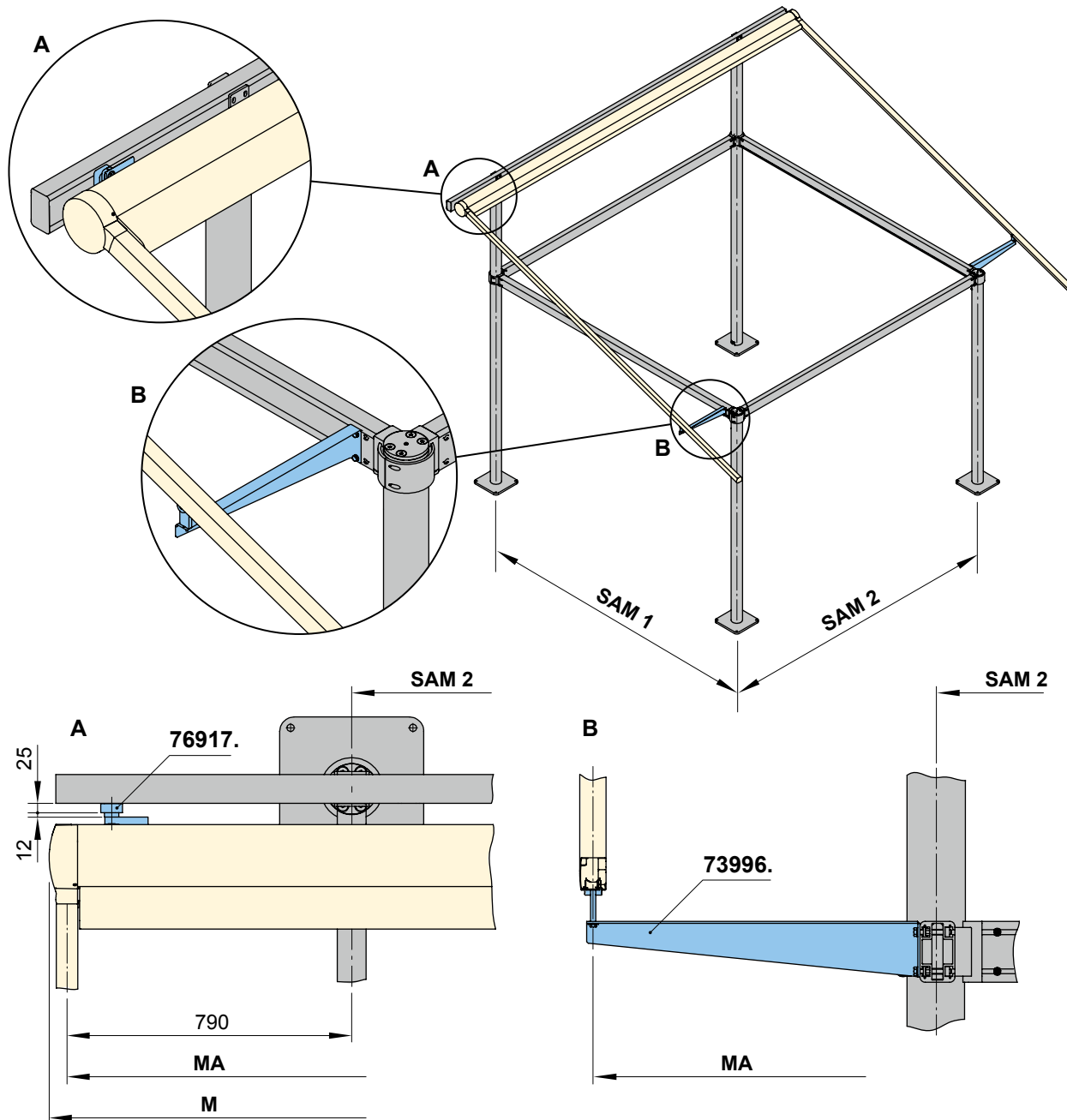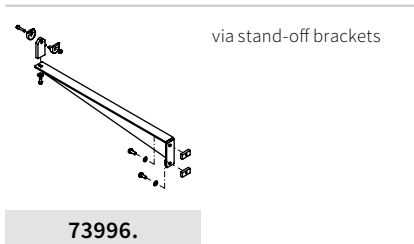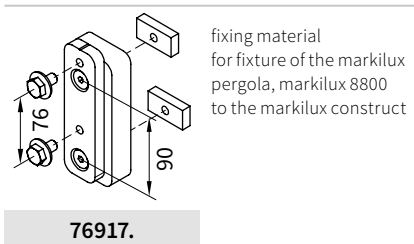markilux construct

73441.

Dimensions overview

Cross-beam adapter for track bracket markilux 8800

dimensions in mm

Overview

markilux 8800 overhanging to the side (on request)

76 · 90	fixing material for fixture of the markilux pergola, markilux 8800 to the markilux construct
76917.	

	via stand-off brackets
73996.	

A

A

B

B

SAM 1

SAM 2

A

76917.

25

12

SAM 2

790

MA

M

B

SAM 2

73996.

MA

M = overall awning width

MA = awning fixture width = awning width between fixture points

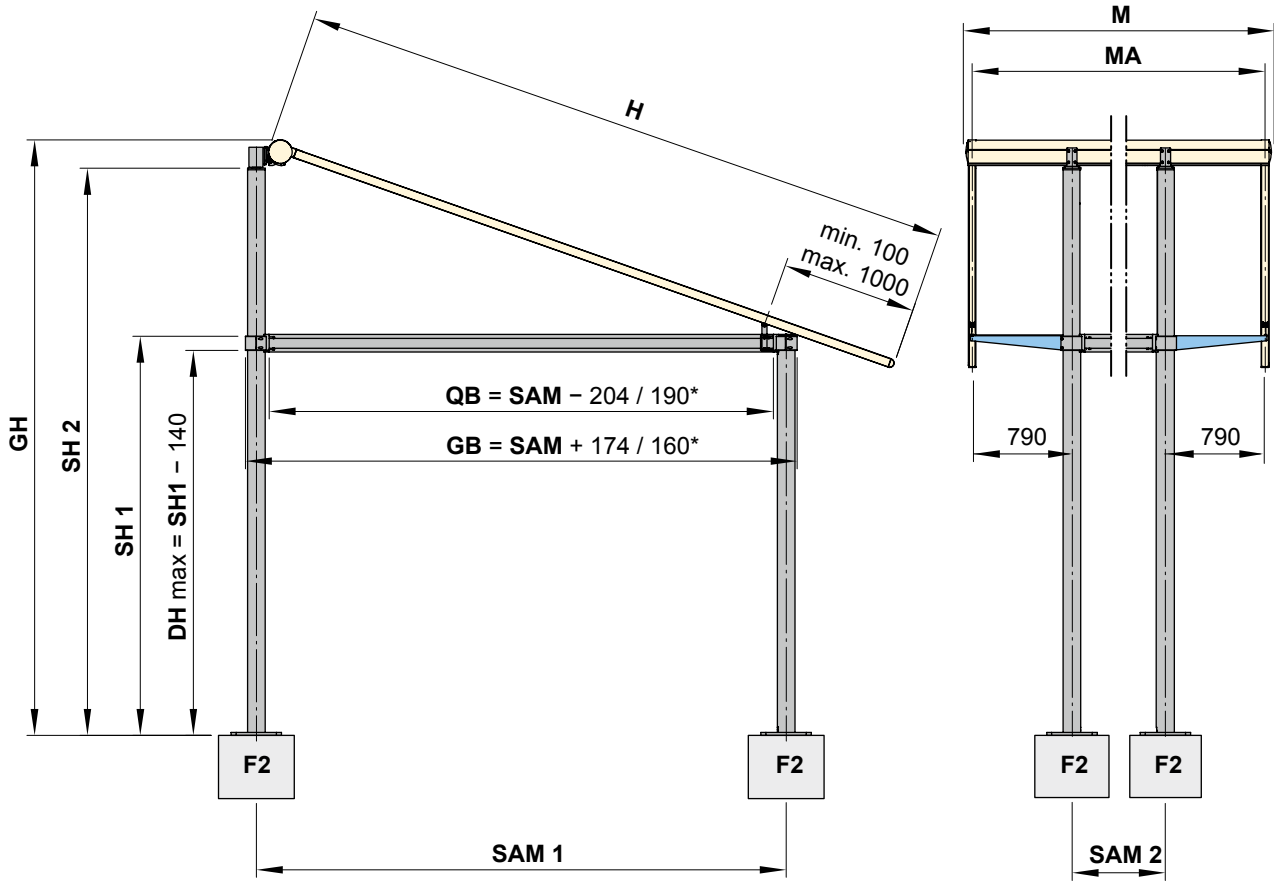**SAM** = *order dimensions* = post separation centre to centre   dimensions in mm

01
02
03
04
05
06
07

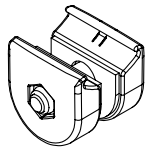# Dimensions overview

markilux 8800 overhanging to the side (on request)

H

min. 100
max. 1000

QB = SAM − 204 / 190*

GB = SAM + 174 / 160*

GH

SH 2

SH 1

DH max = **SH1** − 140

F2

F2

SAM 1

M

MA

790

790

F2

F2

SAM 2

| *****	= information referring to square posts	**max**	= maximum
BG	= armoured cage made from rebar matting Q188	**M**	= overall awning width
DH	= headroom	**MA**	= awning fixture width = awning width between fixture points
F2	= concrete foundation	**SAM**	= *order dimensions* = post separation,
GB	= overall width		centre to centre of the outermost posts
GH	= overall height	**SH**	= *order dimension* = support post height
H	= extension		(standard: 3180 mm / max.: 4500 mm)
		QB	= length of cross-beam

dimensions in mm

Overview

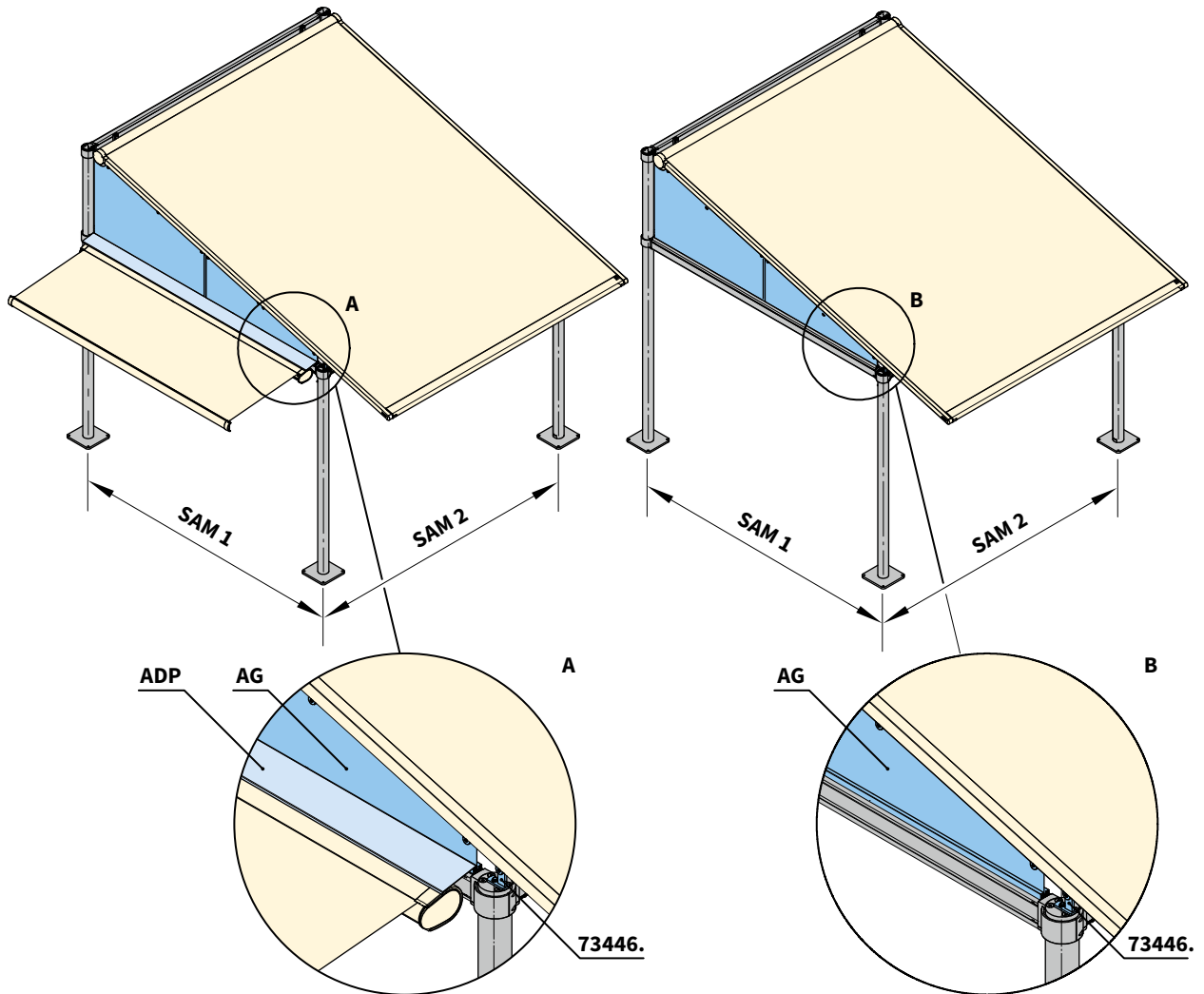**A folding-arm awning on one side with triangular acrylic glass window and cover profile**

bracket for triangular acrylic glass

at top

79571.
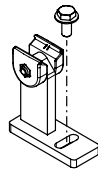
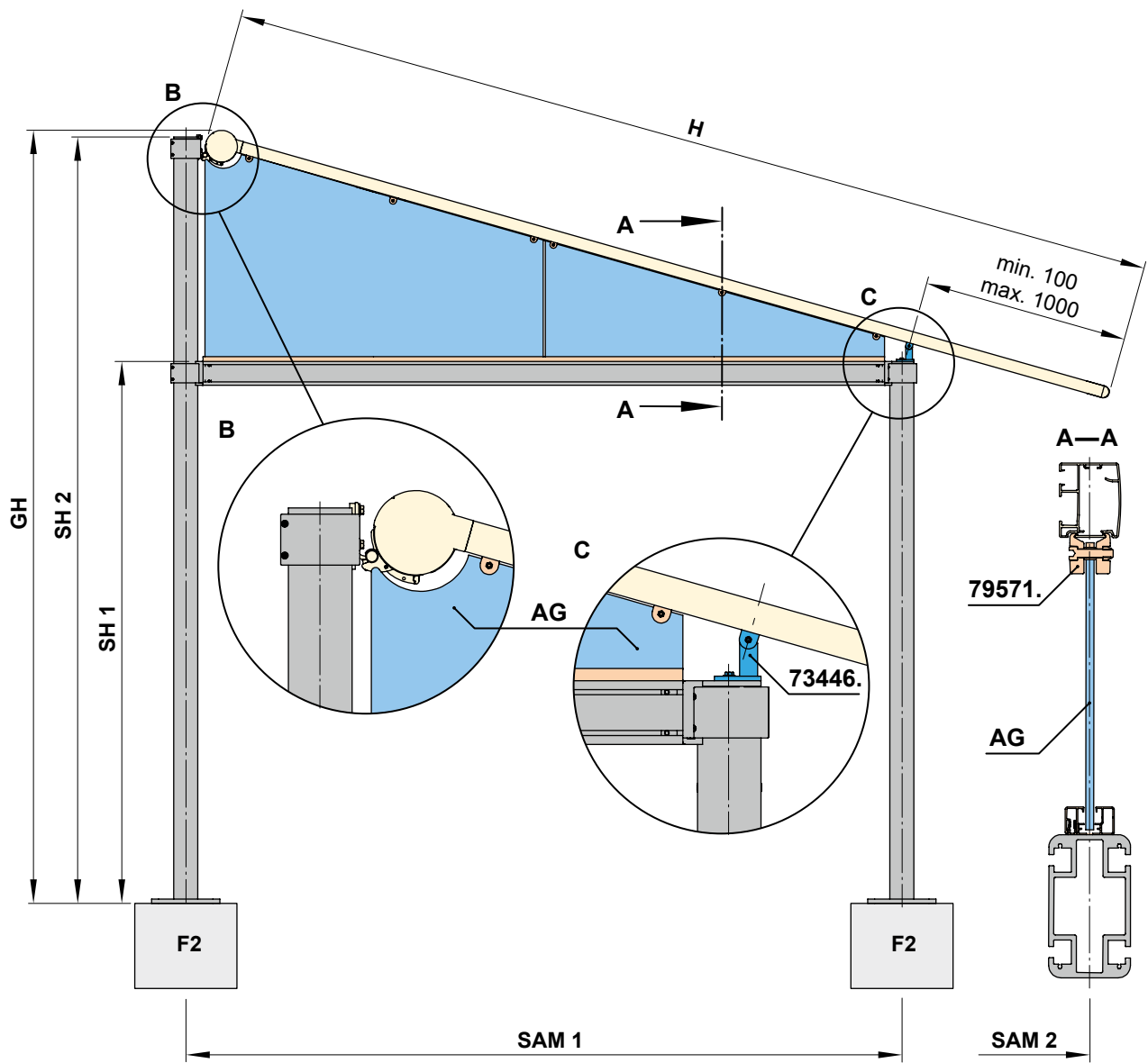track bracket for post with fixture options

73446.

SAM 1   **SAM 2**   A

SAM 1   **SAM 2**   B

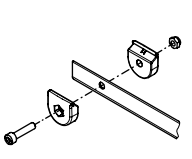**ADP**   **AG**   A   **AG**   B

73446.   **73446.**

ADP   = cover profile for folding-arm awnings

AG   = acrylic glass

SAM = *order dimensions* = post separation centre to centre

01

02

03

04

05

06

07

Overview of fixture dimensions

Triangular acrylic glass window

AG = acrylic glass

BG = armoured cage made from rebar matting Q188

F2 = please view section "concrete foundation"

GH = overall height

H = extension

SAM = *order dimensions* = post separation, centre to centre

SH = *order dimension* = support post height
(standard: 3180 mm / max.: 4500 mm)   dimensions in mm

Overview

Triangular acrylic glass window and cover profile for a folding-arm awning

76102.

701103

AG

79571.

73077.

ADP

777791

73076.

73446.
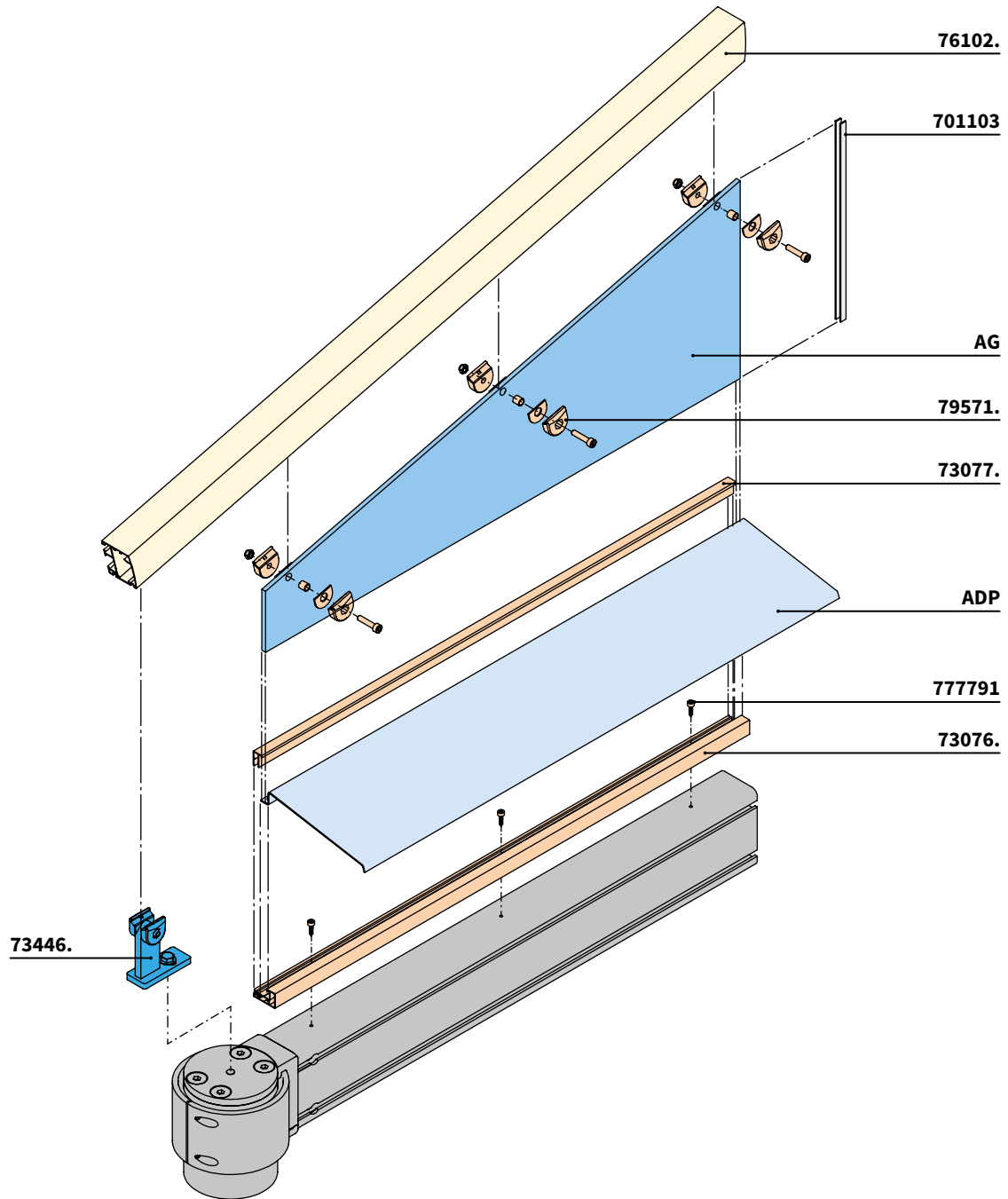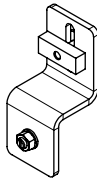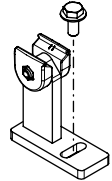
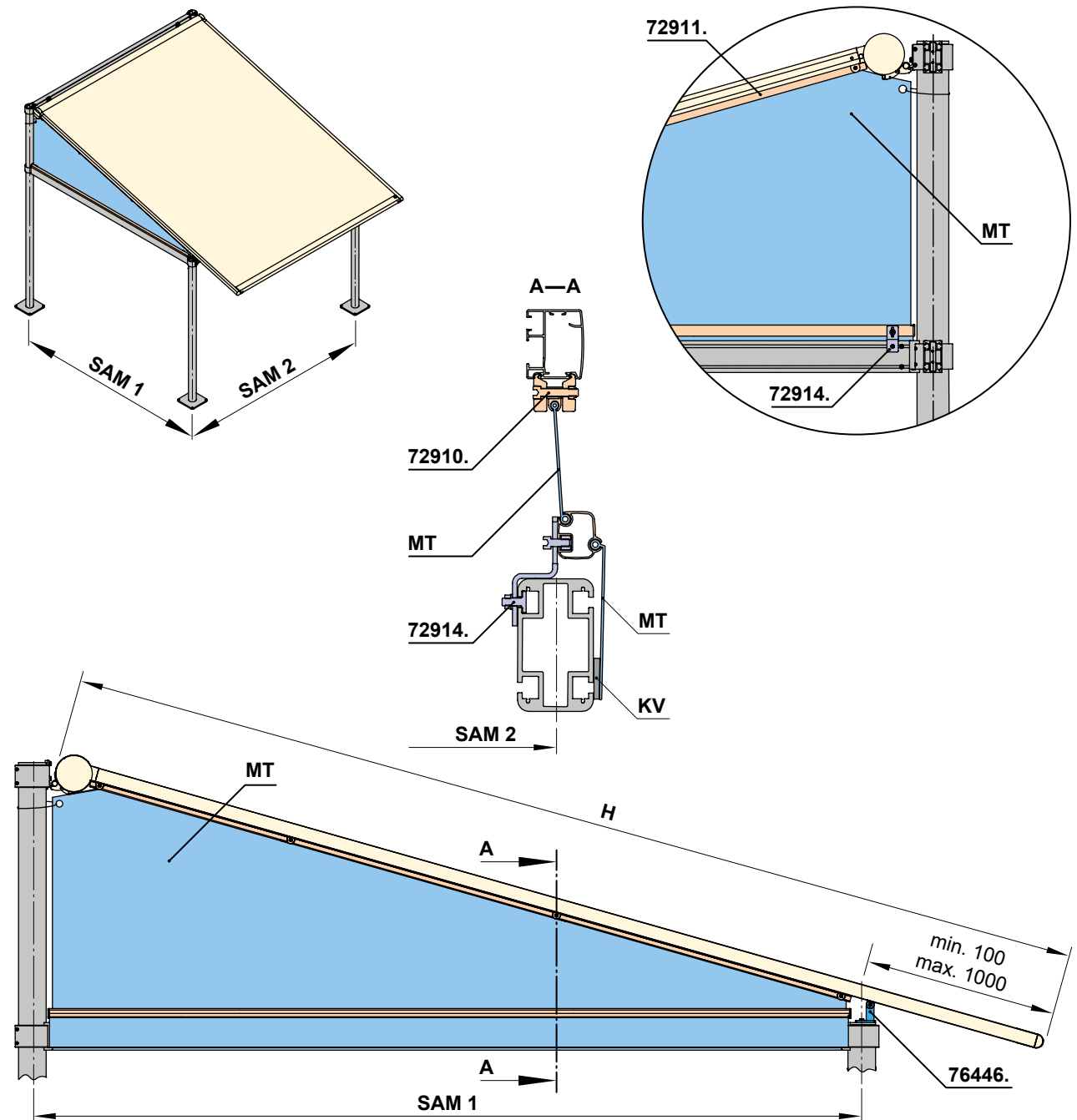**ADP** = cover profile for folding-arm awnings

AG = acrylic glass

01

Overview of fixture dimensions

02

Triangular cover to the side

03

channel rail at top
with bracket

fixture bracket for bottom
channel rail

track bracket for post
with fixing bolt

04

05

72911.   **72914.**   **73446.**

06

07

72911.

MT

A—A

72910.

MT

72914.

72914.

MT

SAM 1

SAM 2

KV

SAM 2

MT

H

A

min. 100
max. 1000

A

76446.

SAM 1

H = extension

KV = velcro fastener

MT = awning cover

SAM = *order dimensions* = post separation centre to centre

dimensions in mm

Overview

Triangular cover to the side

76102.

72911.

72910.

MT

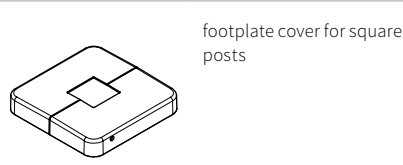72914.

78701.

73446.

78700.

MT

78702.
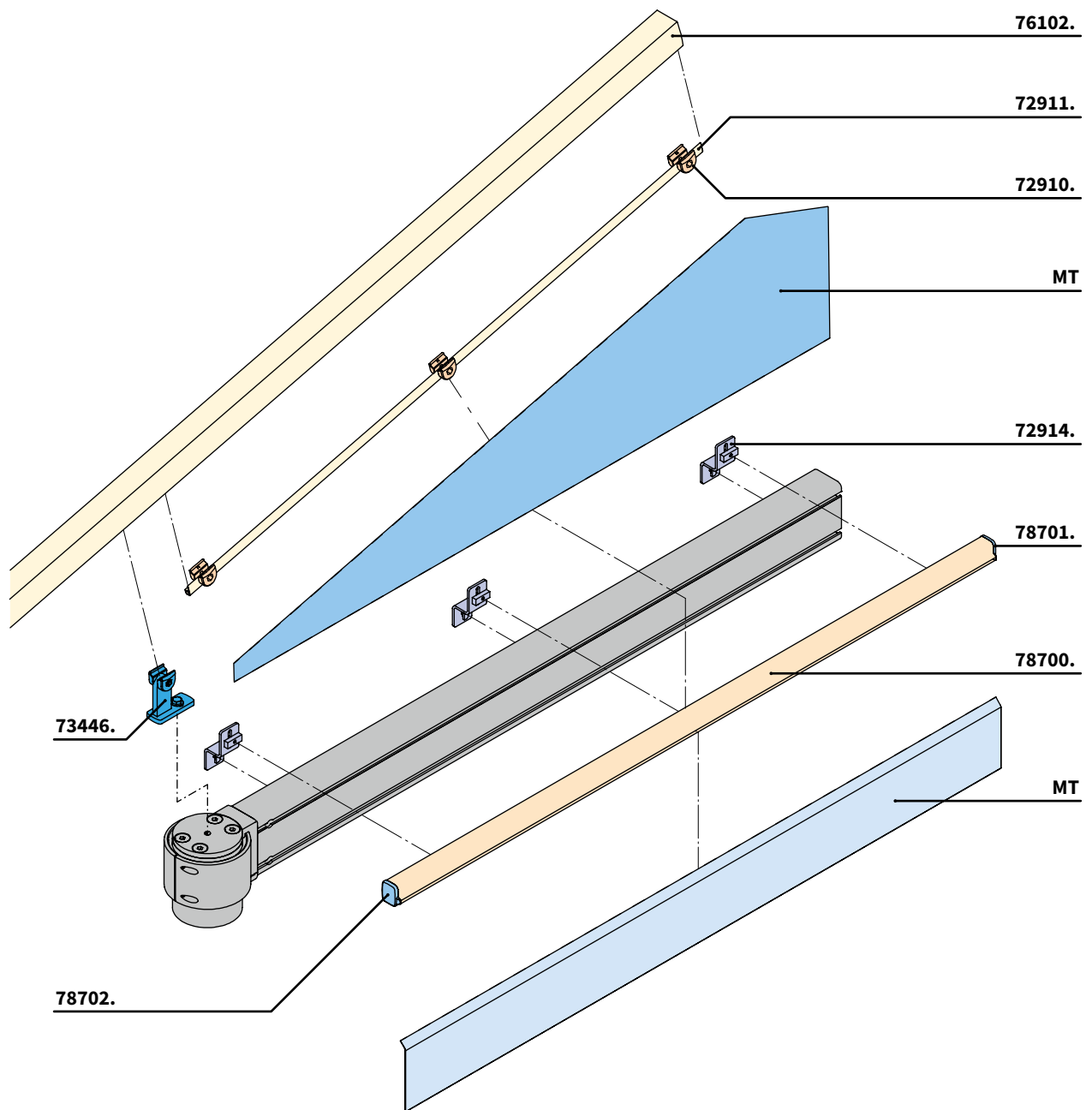
MT = awning cover

Overview of fixture dimensions

Base covers
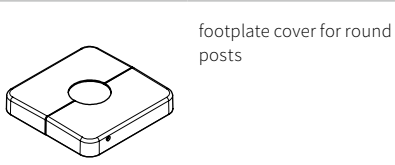
footplate cover for round posts

72263.

footplate cover for square posts
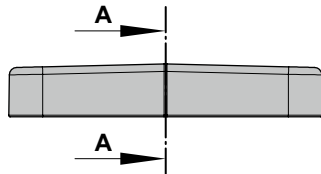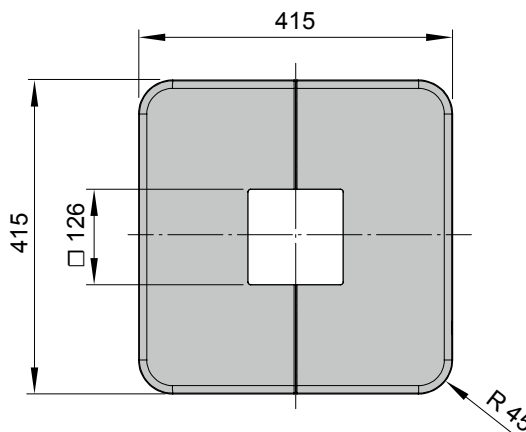
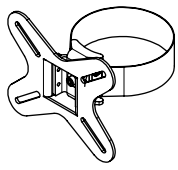**72261.**

Footplate cover for round posts

A
A

70

□ 405

A—A

415

415

Ø 141

R 45

Footplate cover for square posts

A
A

70

□ 405

A—A

415

415

□ 126

R 45
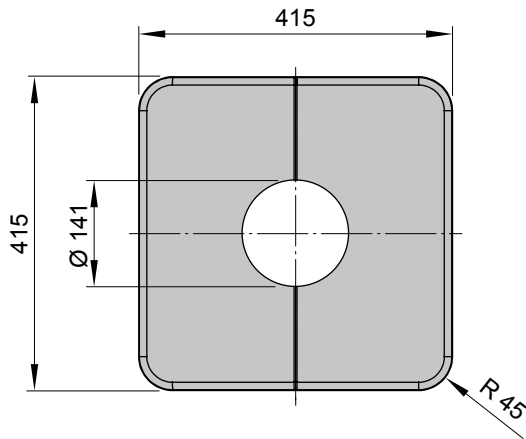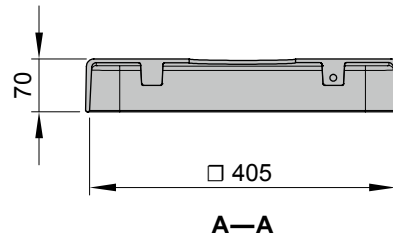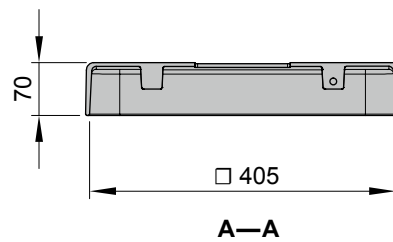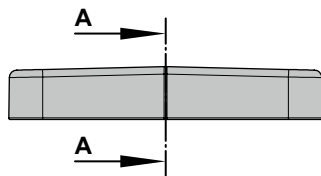
dimensions in mm

Overview

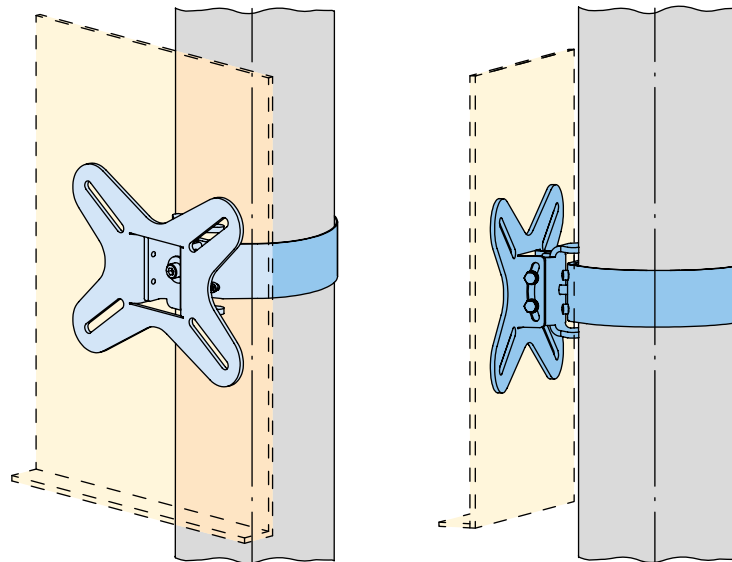Universal bracket for a round post; installation example: for mounting a board, television screen or something similar

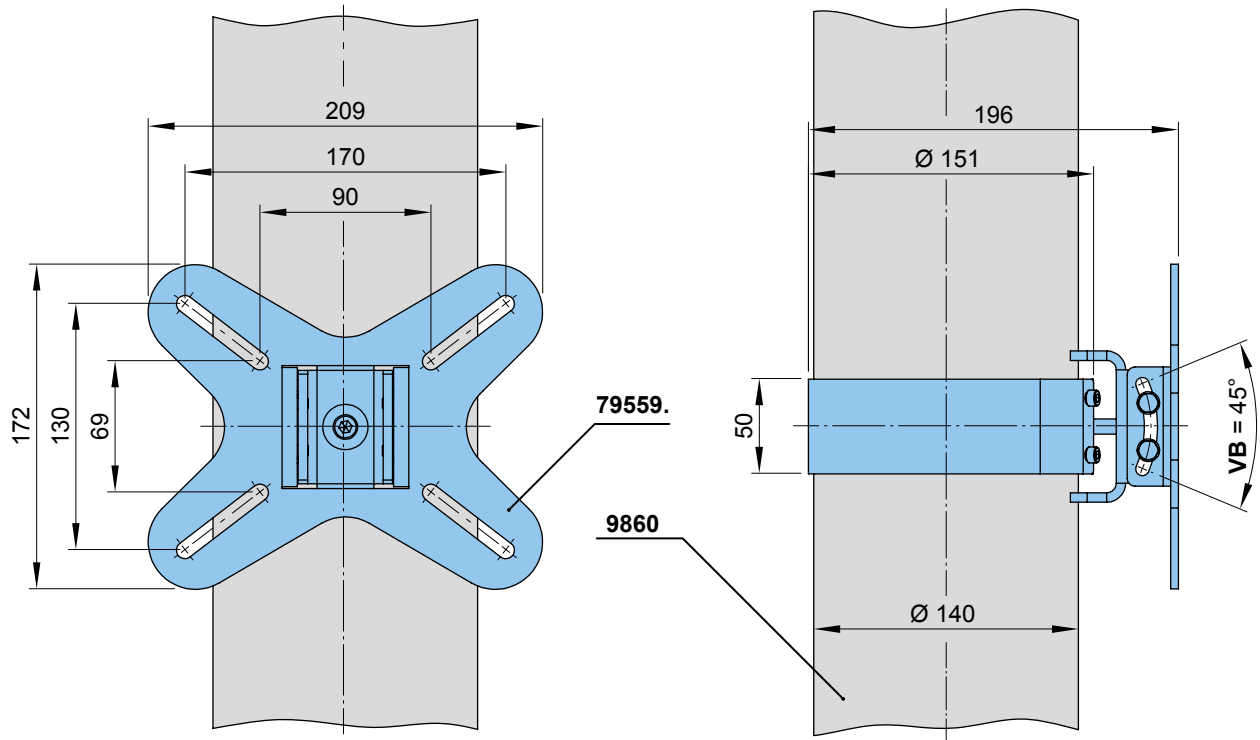universal bracket for
round post Ø 140 mm

79559.

Overview of fixture dimensions

209
170
90
172
130
69
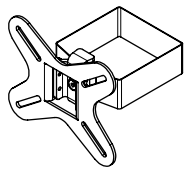
79559.

9860

196
Ø 151
50

VB = 45°

Ø 140

VB = adjustment range

dimensions in mm
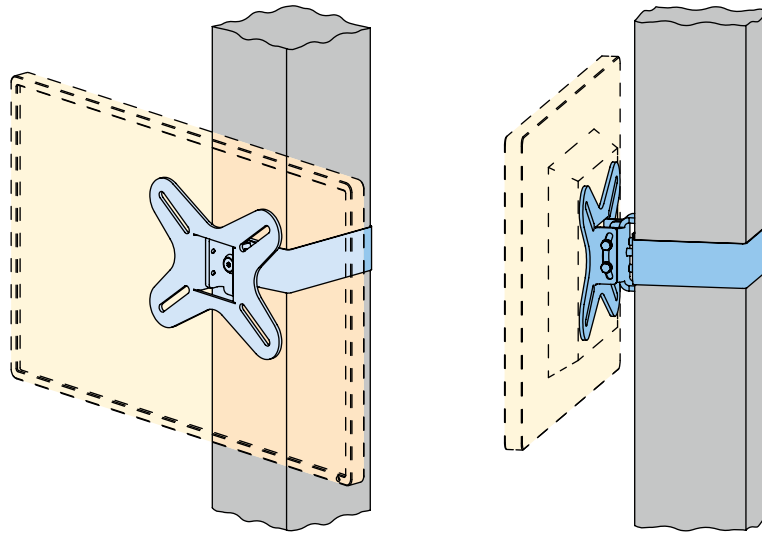
01

Overview

02

Universal bracket for a square post; installation example: for mounting a board, television screen or something similar

03

universal bracket for
square post

04

05   72238.

06

Overview of fixture dimensions

209
170
90

172
130
69

72238.

179
136

50

VB = 45°

9860

□ 125

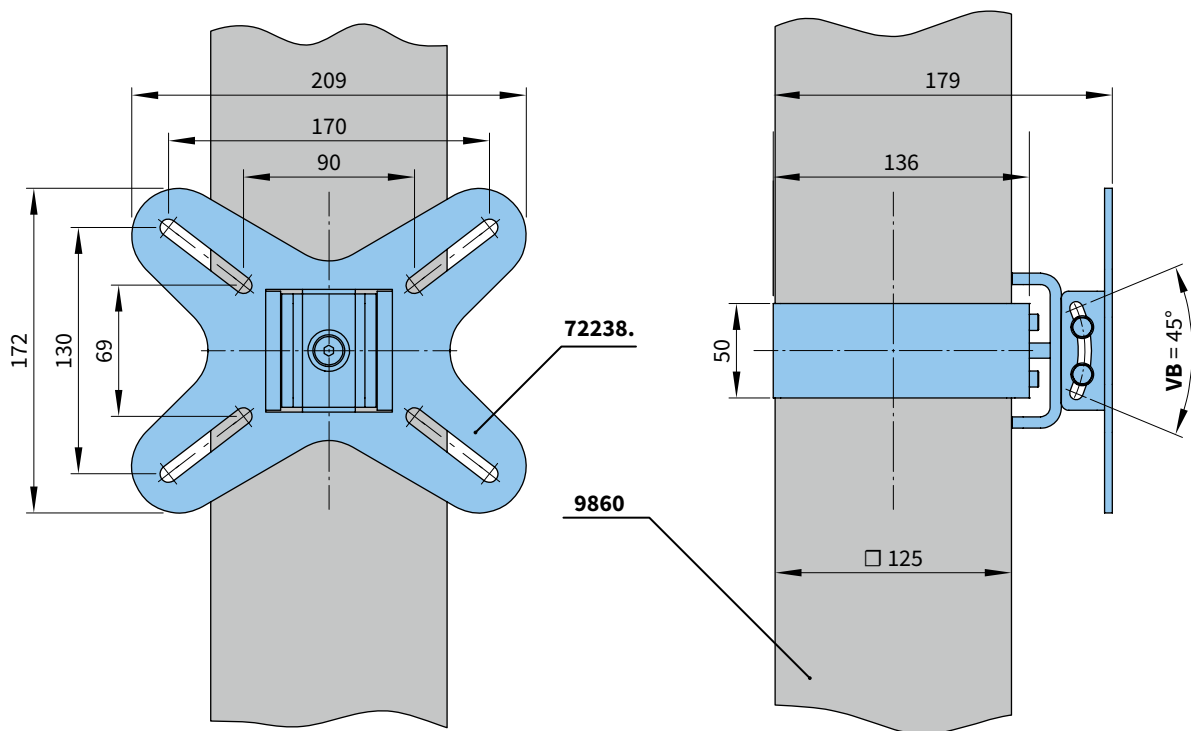**VB**   = adjustment range   dimensions in mm