

**BAHAMA®**

C4sun sails

Technical dimensions | Data  
and product information



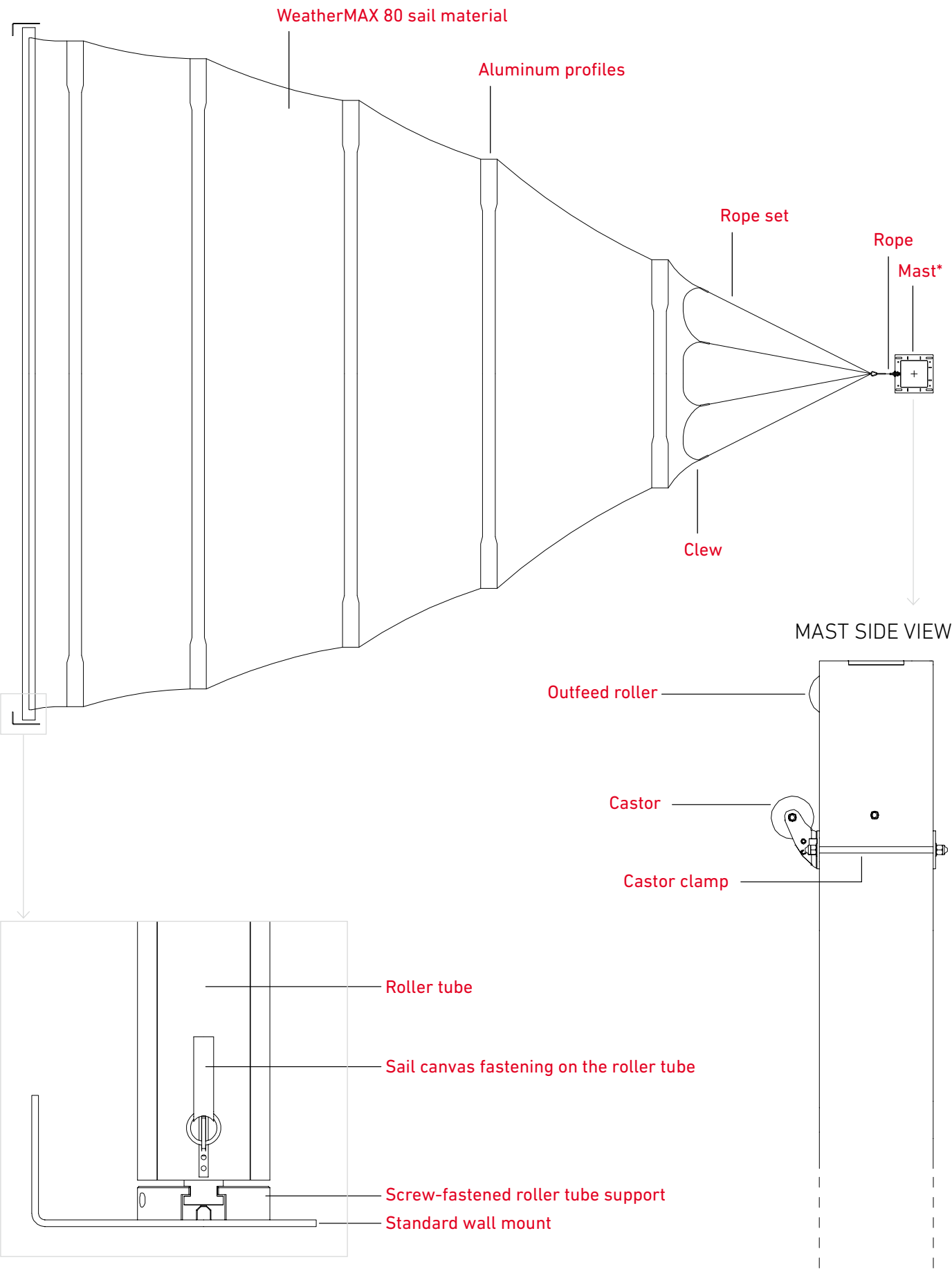


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# Explanations | Terms



\* All distances measured to center of mast



# 1. Sun Sail | Canvas Fabric

## 1.1 WeatherMAX 80


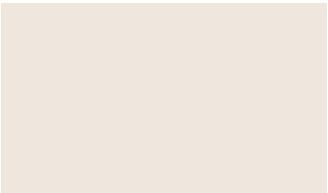


C4sun uses the sail material WeatherMax 80, a technically sophisticated fiber that is suitable for sun and rain protection alike. At Bahama, the canvas cut is created individually and on a project-specific basis. The basic production of the cloths takes place in cooperation with one of the leading sail manufacturers in Germany that incorporates state-of-the-art manufacturing technology.



20 modern colors
Waterproof, yarn-dyed polyester fabric
Grammage of approx. 270 g/m²
High color brilliance and color fastness
Excellent anti-glare and UV protection   UPF 50+, protection against harmful UV radiation
Breathable design prevents heat built-up and condensation
Highly waterproof
Very high resistance to tears and kinks
Subtle rib structure for elegant look

## 1.2 Colors

### I. WeatherMAX standard colors

			
Silver 95	Oyster 11	Taupe 92	Graphite 94

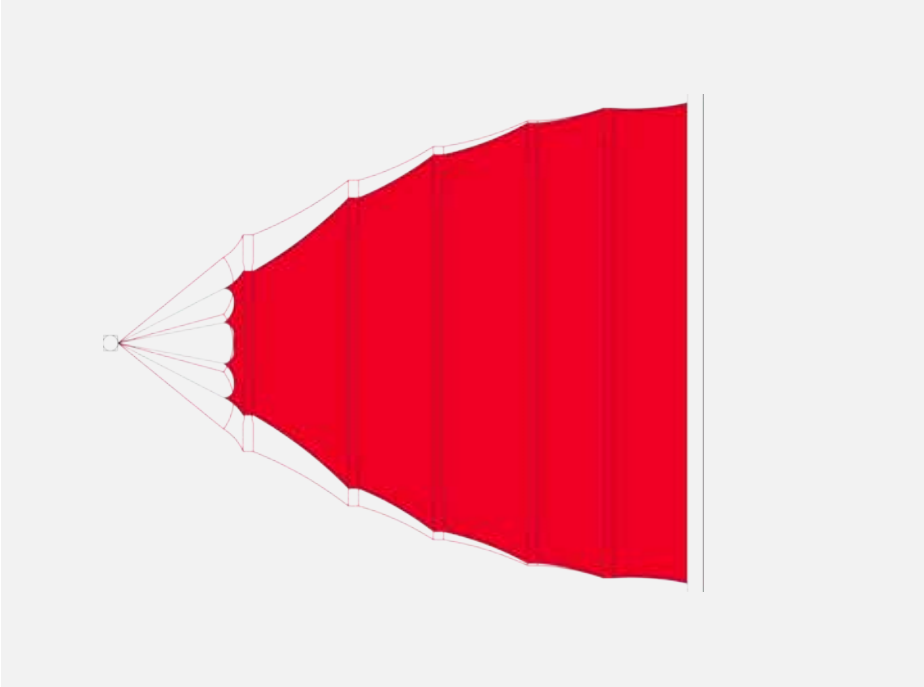
### II. WeatherMax special colors

			
True Red 60	Scarlet 66	Burgundy 65	Forest Green 30
			
Pacific Blue 22	Royal 24	Captain Navy 25	Moss 36
			
Beige 16	Sand 14	Toast 13	Black 90
			
White 10	Yellow 40	Chocolate 80	Light Charcoal 91



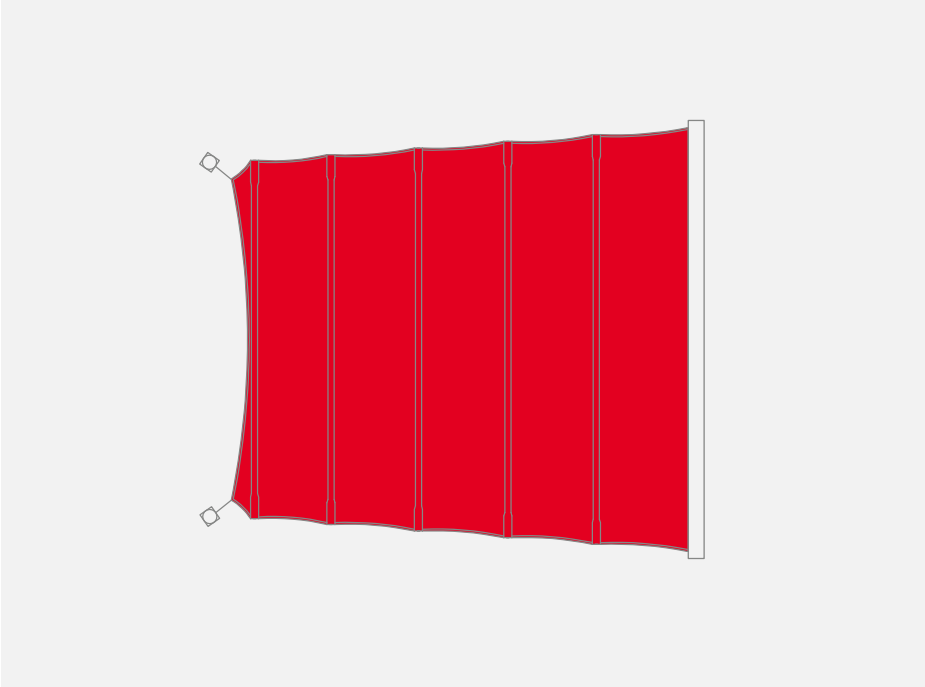
# 2. Sail Models

## 2.1 elips4sun



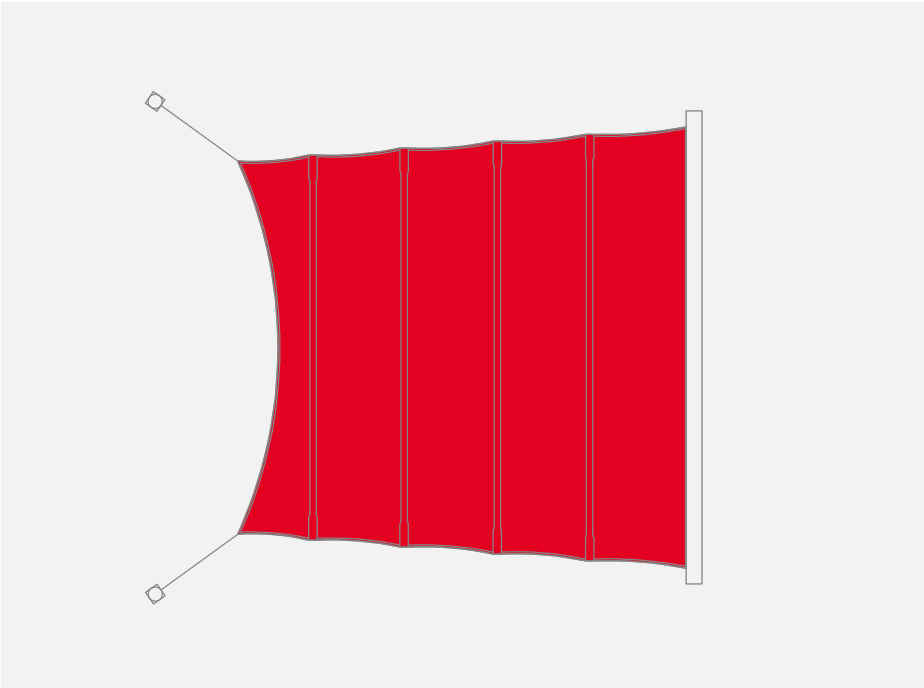
- Four ropes and one mast
- Ellipsoidal cut with curved sides
- Organic design
- Can be installed as double sail
- Max. sail canvas size 6.0 × 6.8 m
- Clew width: 1.8 m or 2.7 m

## 2.3 square4sun | CROSS PRO



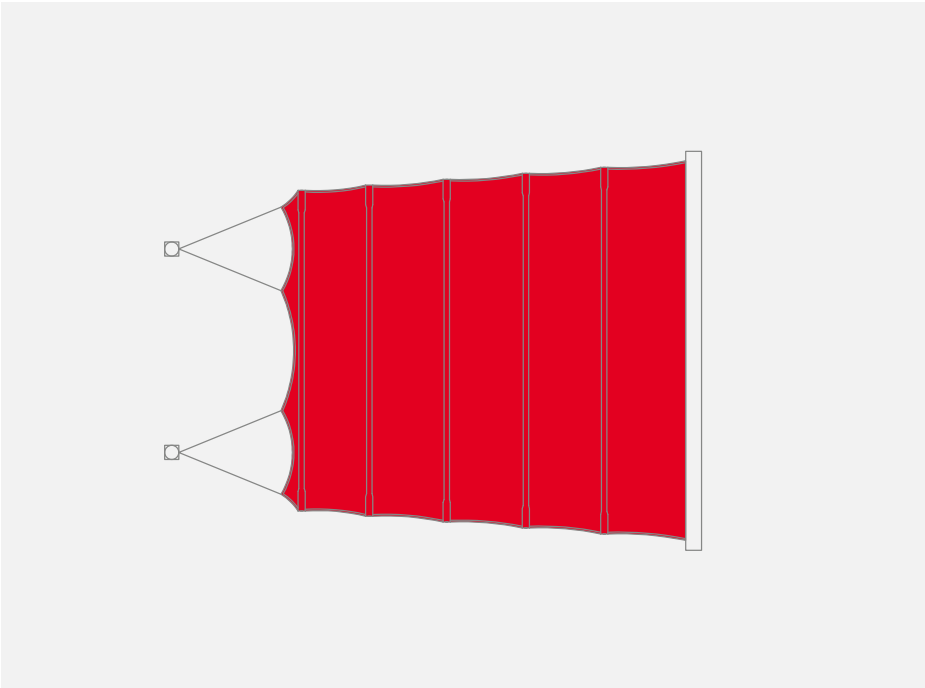
- Two ropes, each with one mast
- Particularly suitable for roof terraces and smaller areas due to shortened ropes
- Can be installed as double sail
- Max. sail canvas size 6.8 × 7.0 m to 6.0 × 7.8 m

## 2.2 square4sun | CROSS



- Two ropes, each with one mast
- Large shaded area
- Can be installed as double sail
- Max. sail canvas size 6.8 × 7.0 m to 6.0 × 7.8 m

## 2.4 square4sun | LINE

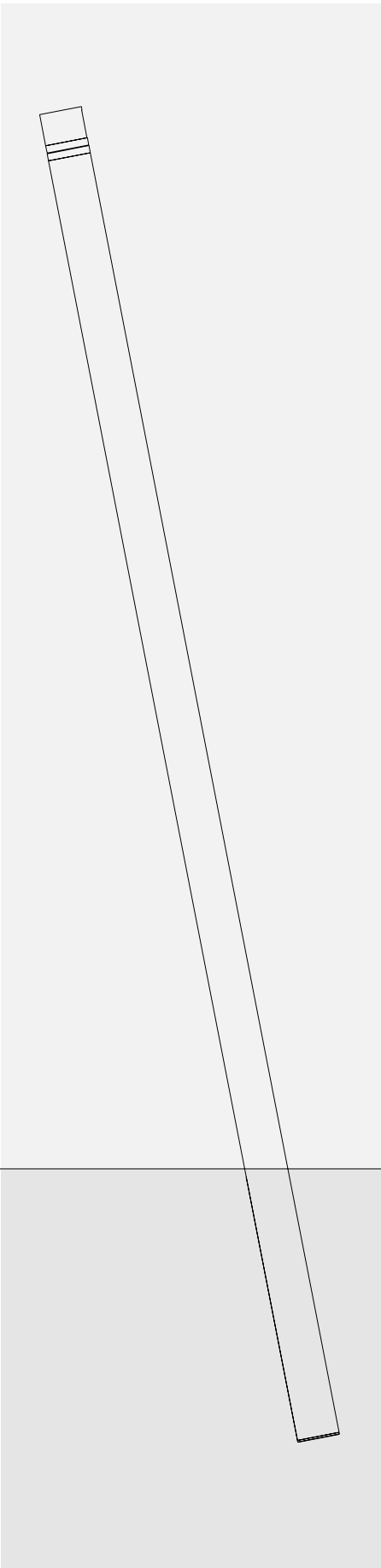
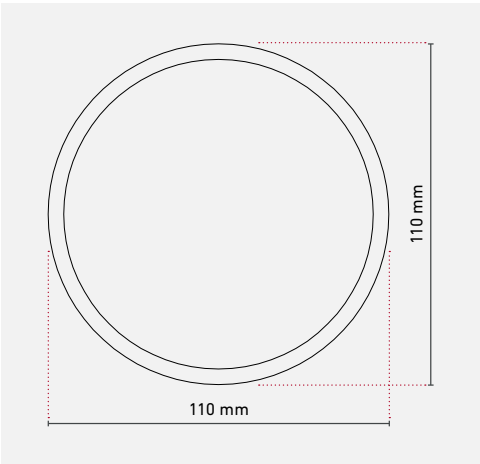


- Four ropes with two masts
- Large shaded area
- Can be installed as double sail
- Max. sail canvas size 6.8 × 7.8 m

# Mast Models

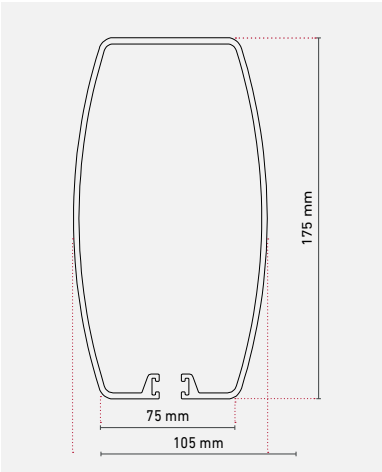
## 3.1 ID 110

Round profile, dia. 110 mm
Powder-coated aluminum   Standard RAL 9006 or 7016, textured matte finish; optionally available in all RAL colors
Rope made of high-performance fiber, dia. 4 mm
ID = internal damper
With wind pressure relief system
Part of the mast is placed into the optional in-ground sleeve; Minimum anchorage depth 700 mm - rope outlet on 2,800 mm
Mast height and weight: 3,327 mm (30 kg)
Installation angle: 79°   11° inclination when installed using a ground sleeve; wall mounting 0°-90°
Specific combination options for mast and sail (see tables starting on p. 14)
Optional: V4A extra protection   Maritime edition of internal stainless steel components

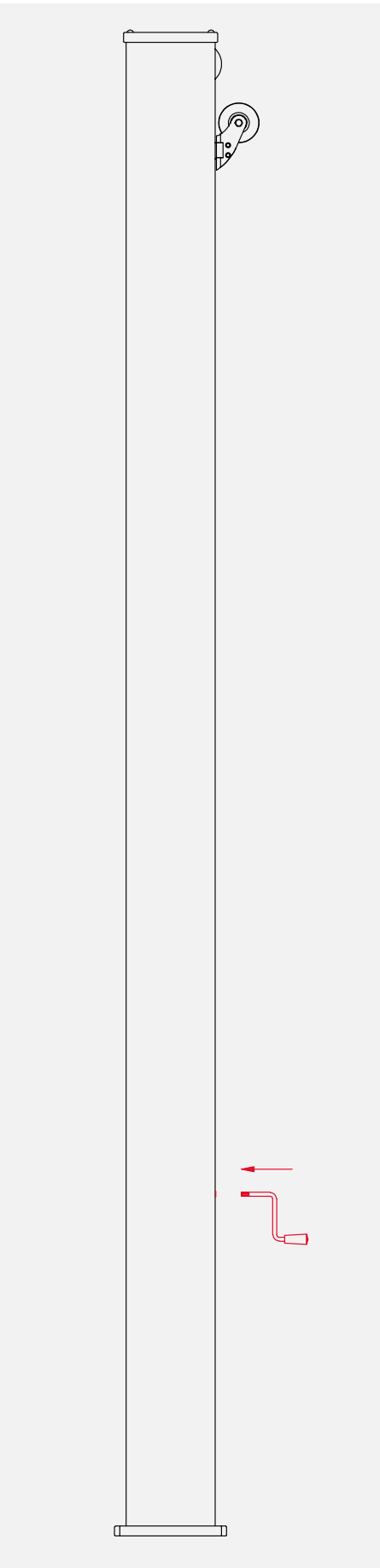
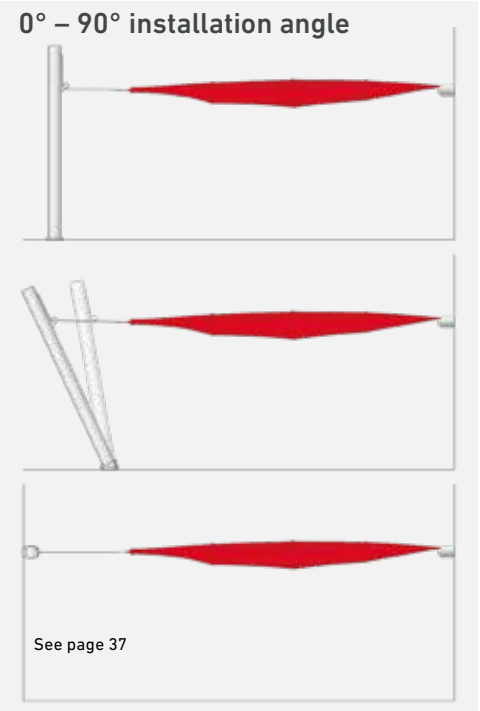


## 3.2 ID 175

Oval profile with 4 edges: 175 mm, 75 – 105 mm
Powder-coated aluminum   Standard RAL 9006 or 7016, textured matte finish; optionally available in all RAL colors
Rope made of high-performance fiber, dia. 4 mm
ID = internal damper
With wind pressure relief system
Mast heights and weights: 3,000 mm (50 kg)   3,500 mm (55 kg)   4,000 mm (60 kg)   4,500 mm (65 kg)
Special heights up to 7,000 mm
Installation angle: 0° – 90°
Lengths of over 4,000 mm must be anchored - see on p. 36
Ground plate is firmly installed on the mast; circle of holes suitable for Krinner ground screw (KSF F 140 x 1.600-M)
Optional: - V4A extra protection   Maritime edition of internal stainless steel components - Crank-operated internal height adjustment   For details regarding the vertical adjustability see the following table



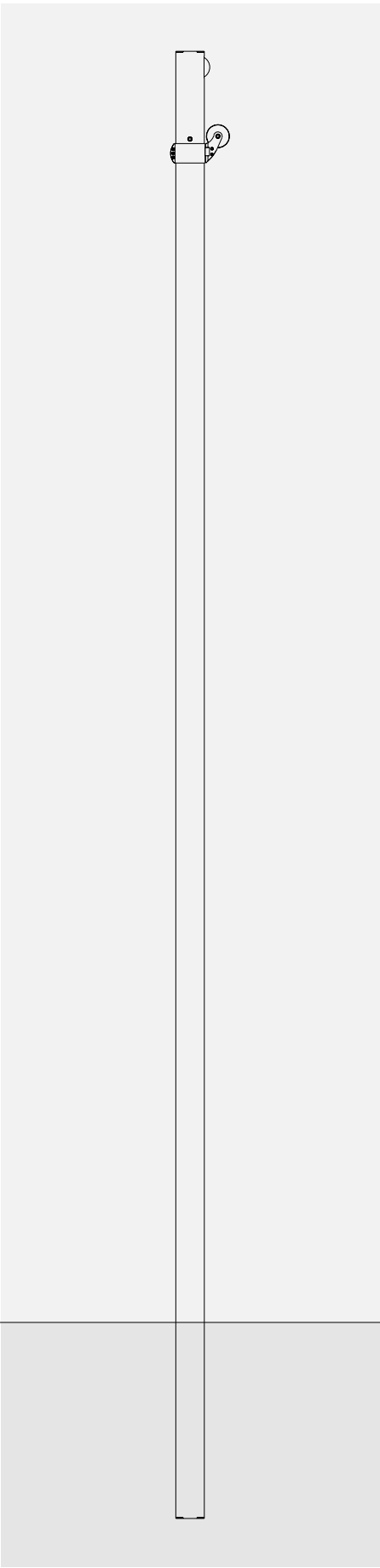
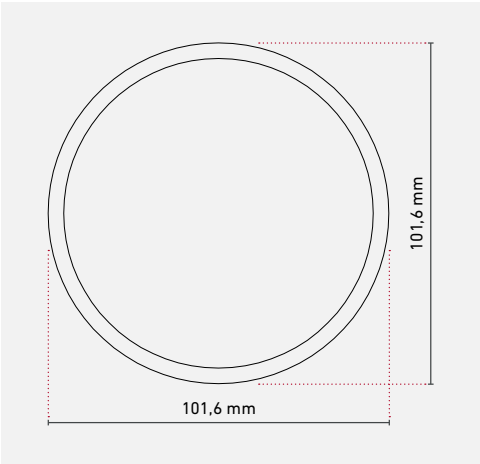
sail canvas length	max. adjustability
up to 6.0 m	2.0 m
up to 6.5 m	1.8 m
up to 7.0 m	1.5 m
up to 7.8 m	1.4 m



# Mast Models

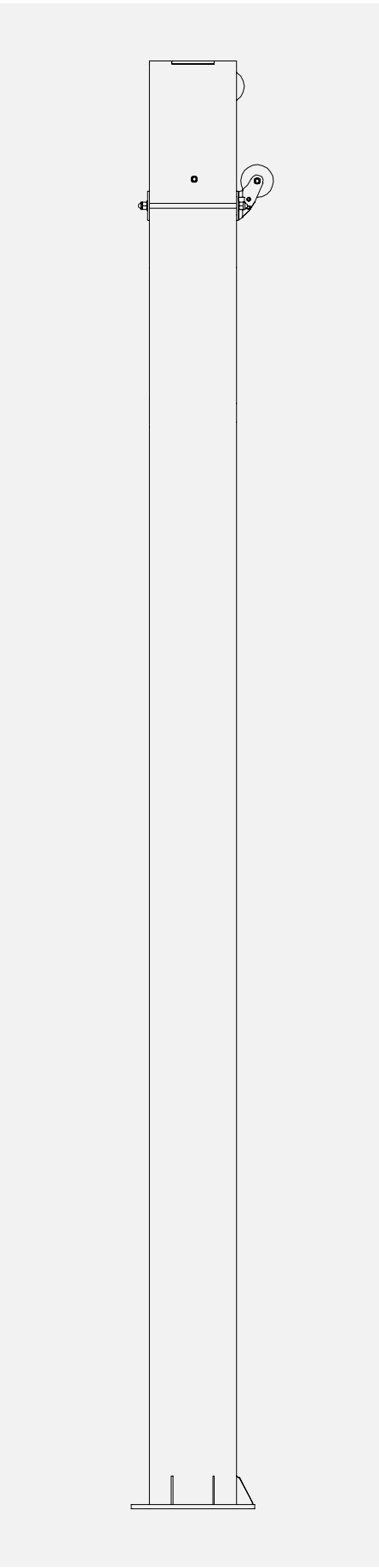
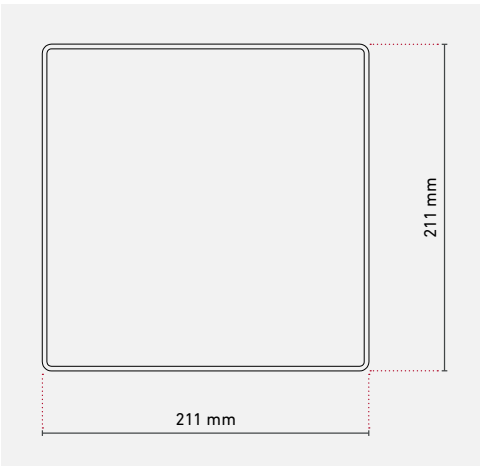
### 3.3 IG 101

Round profile, dia. 101.6 mm
V2A stainless steel
Rope made of high-performance fiber, dia. 4 mm
IG = internal weight
With wind pressure relief system
Mast heights and weights: 5,240 mm (145–190 kg)   5,850 mm (150–195 kg)
Installation angle: 90°
Specific combination options for mast and sail (see tables starting on p. 14)
Does not include a ground plate; mast can be recessed in Krinner ground screw or ground sleeve; minimum anchoring depth 700 mm
Optional: V4A extra protection   Maritime edition of stainless steel components



### 3.4 IG 211

Square profile, 211 mm
V2A stainless steel
Rope made of high-performance fiber, dia. 4 mm
IG = internal weight
With wind pressure relief system
Mast heights and weights: 3,000 mm (235–490 kg)   3,500 mm (250–565 kg)
Installation angle: 90°
Specific combination options for mast and sail (see tables starting on p. 14)
Installation on concrete base or Krinner ground screw
Optional: V4A extra protection   Maritime edition of stainless steel components



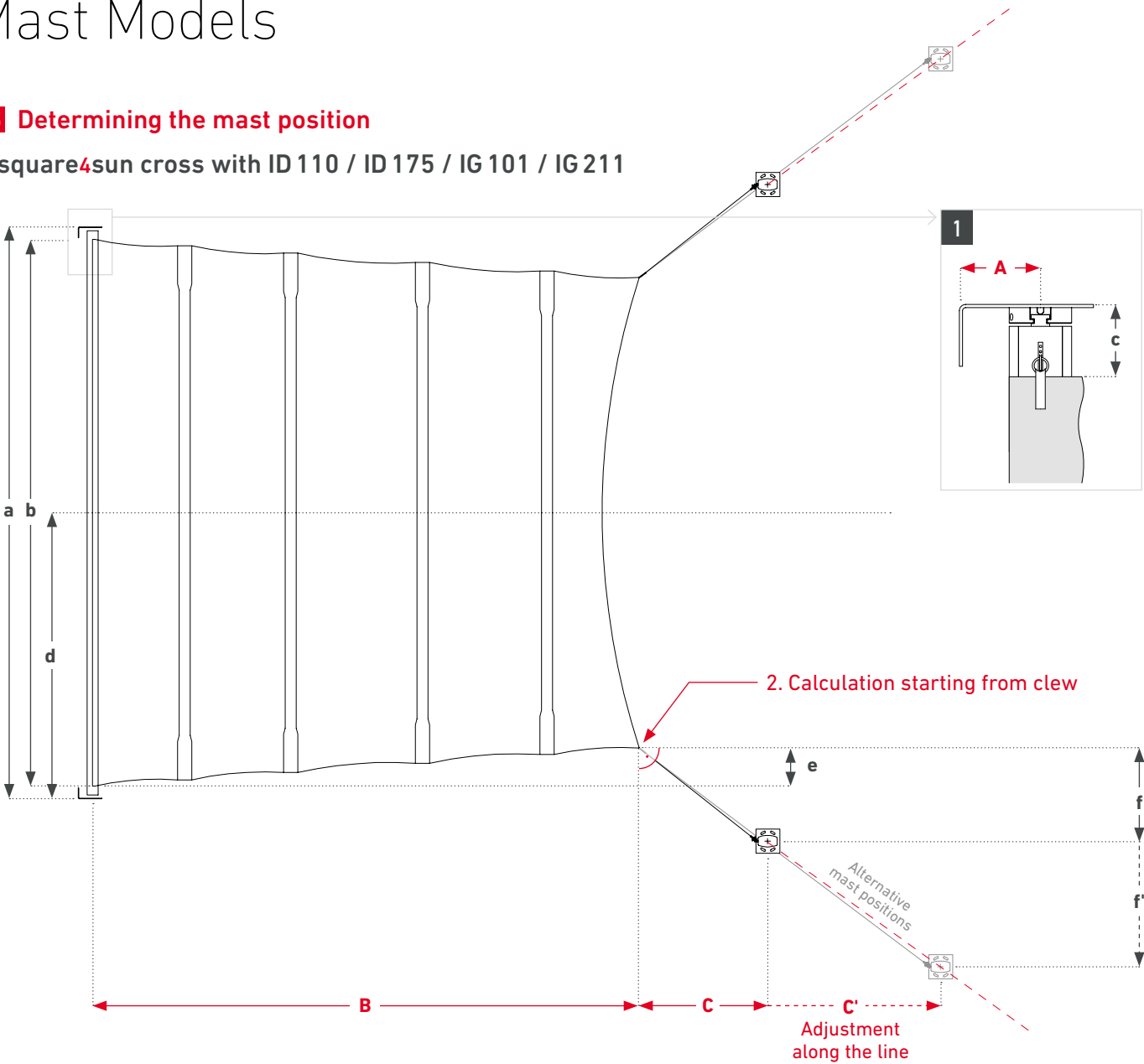




# Mast Models

3.5 Determining the mast position

II. square4sun cross with ID 110 / ID 175 / IG 101 / IG 211



SYSTEM WIDTH in mm	
a Total system width	b + (2 × c)
b Sail canvas width	4,000 to 6,800
c Outer edge of wall mount + motor + roller tube up to start of sail canvas - With io motor (per side) - With power package / LT motor (per side) - With free-standing roller tube for single or double sail	115 200 see p. 29 + 31
d Half system width	a ÷ 2
e Tapering of sail canvas width	See 1.
f Clew to center of mast	min. 852 See 2.

SYSTEM LENGTH in mm	
A Wall mount to center of roller tube	130
B Center of roller tube to clew (projection)	4,000 – 7,800
C Clew to center of mast	min. 1,174 See 2.

CALCULATION

1. Calculation of clew position

$e = B \times 0.07^*$

\* The Bahama technical team uses the factor 0.0697 for the individual calculation.

2. Calculation of alternative mast position

$C = f \times 1.38^*$  or  $f = C \div 1.38^*$

\* The Bahama technical team uses the factor 1.3775 for the individual calculation.

Example calculation

You have chosen a sail with a sail length (projection) of **5,500 mm**. In order to determine the mast position, you first require the position of the clew/eyelet.

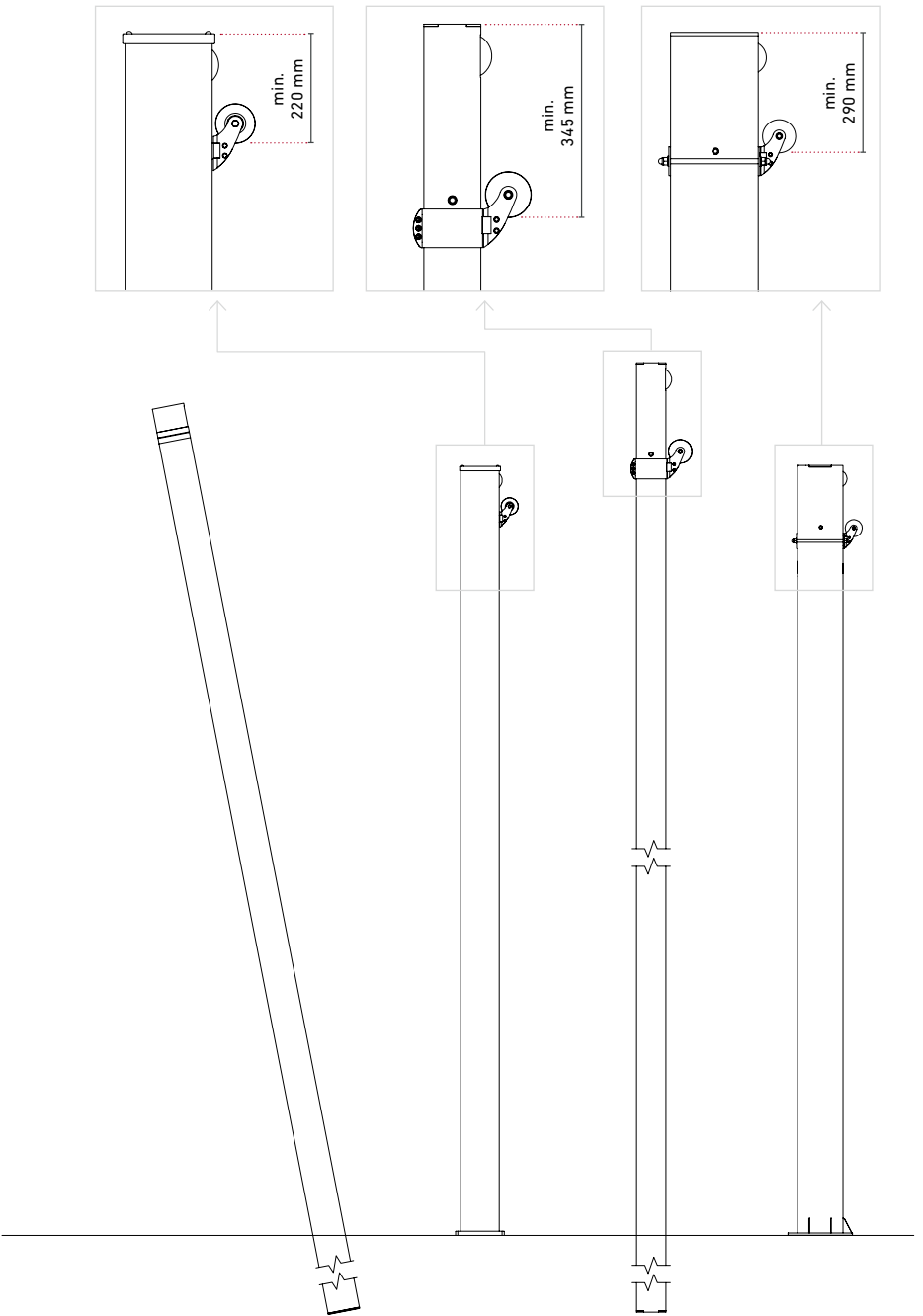
$5,500 \text{ mm} \times 0.07 = 385 \text{ mm (e)}$

Once the exact position of the clew has been identified, the mast must feature a minimum clearance of 1,174 mm and a draw-out of 852 mm. If

**f is established as 2,000 mm** (min. 852 mm) starting from the clew, you can identify **C** via the following calculation:

$2,000 \text{ mm} \times 1.38 = 2,760 \text{ mm (C)}$

Alternatively, you can establish **C** and use this to calculate **f**. The measured distances must always be at right angles to one another!



SYSTEM HEIGHT	ID 110	ID 175	IG 101	IG 211
Mast height	3,627	3,000	5,240	3,000
		3,500	5,850	3,500
		4,000		
		4,500**		
Special sizes	Possible	Up to 7,000**		
Installation angle	0° – 90°	0° – 90°	90°	90°
Height of castor or outfeed roller (internal)	20	min. 220	min. 345	min. 290
Important Notice re. projection length	max. 5,800		For mast height 5,240: max. 6,500 / sail w. up to 6,000 max. 5,500 / sail w. as of 6,000 For mast height 5,850: max. 7,000 / sail w. up to 6,000 max. 6,500 / sail w. as of 6,000	

All measurements in mm \*\* = Length of over 4,000 mm must be anchored

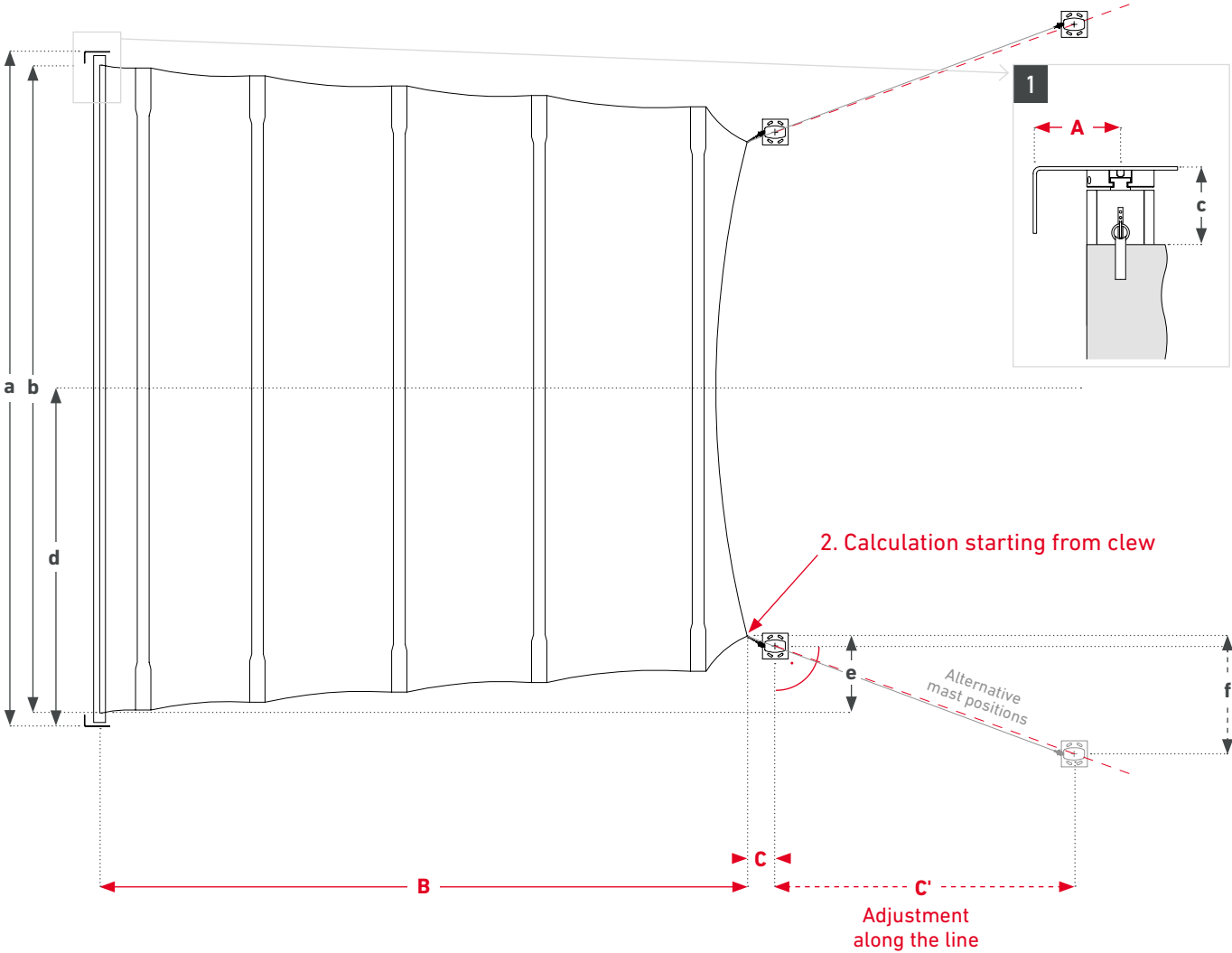
Determining the mast height:

The height of the castor is normally equal to the height of the roller tube.

# Mast Models

3.5 Determining the mast position

III. square4sun cross pro with ID 110 / ID 175 / IG 101 / IG 211



SYSTEM WIDTH in mm	
a Total system width	b + (2 × c)
b Sail canvas width	4,000 – 6,800
c Outer edge of wall mount + motor + roller tube up to start of sail canvas	
- With io motor (per side)	115
- With power package / LT motor (per side)	200
- With free-standing roller tube for single or double sail: see p. 29 + 31	see p. 29 + 31
d Half system width	a ÷ 2
e Tapering of sail canvas width	See 1.
f Clew to center of mast	See 2.
ID 110	min. 95
ID 175	min. 97
IG 101	min. 110
IG 211	min. 125

SYSTEM LENGTH in mm	
A Wall mount to center of roller tube	130
B Center of roller tube to clew (projection)	4,000 – 7,800
C Clew to center of mast	See 2.
ID 110	min. 265
ID 175	min. 270
IG 101	min. 300
IG 211	min. 345

CALCULATION

1. Calculation of clew position

$$e = B \times 0.07^* + 271$$

\* The Bahama technical team uses the factor 0.0697 for the individual calculation.

2. Calculation of alternative mast position

$$C = f \times 2.78^* \text{ or } f = C \div 2.78$$

\* The Bahama technical team uses the factor 2.776 for the individual calculation.

Example calculation

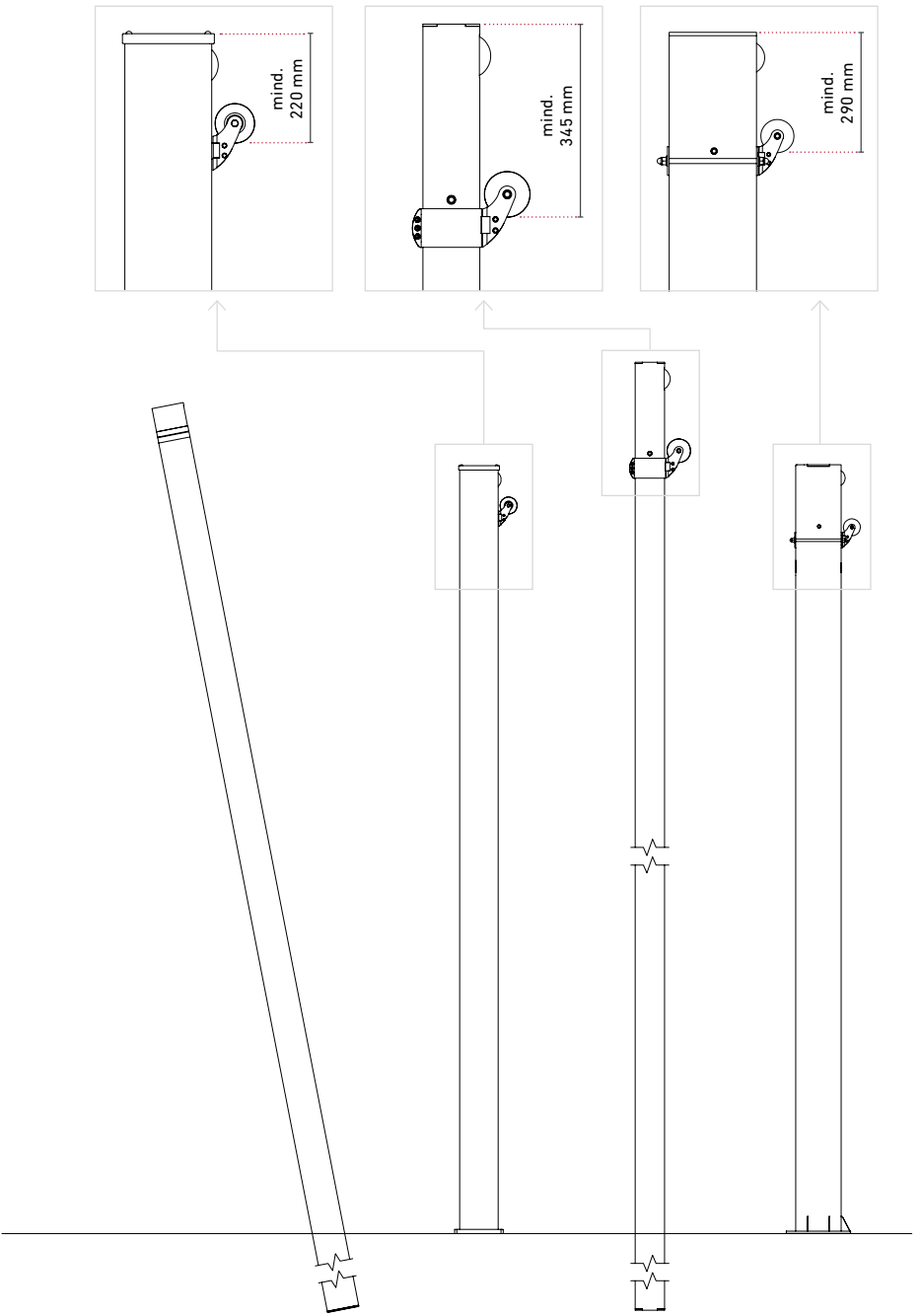
You have chosen a sail with a sail length (projection) of **5,500 mm**. In order to determine the mast position, you first require the position of the clew/eyelet.

$$5,500 \text{ mm} \times 0.07 + 271 = 656 \text{ mm (e)}$$

Once the exact position of the clew has been identified, the minimum clearance for the selected mast must be observed. If the draw-out **f** is established as **2,000 mm** starting from the clew, you can identify **C** via the following calculation:

$$2,000 \text{ mm} \times 2.78 = 5,560 \text{ mm (C)}$$

Alternatively, you can establish **C** and use this to calculate **f**. The measured distances must always be at right angles to one another!



SYSTEM HEIGHT	ID 110	ID 175	IG 101	IG 211
Mast height	3,627	3,000	5,240	3,000
		3,500	5,850	3,500
		4,000		
		4,500**		
Special sizes	possible	bis 7,000**		
Installation angle	0° – 90°	0° – 90°	90°	90°
Height of castor or outfeed roller (internal)	20	min. 220	min. 345	min. 290
Important Notice re. projection length	max. 5,800		For mast height 5,240: max. 6,500 / sail w. up to 6,000max. max. 5,500 / sail w. as of 6,000 For mast height 5,850: max. 7,000 / sail w. up to 6,000 max. 6,500 / sail w. as of 6,000	

All measurements in mm \*\* = Length of over 4,000 mm must be anchored

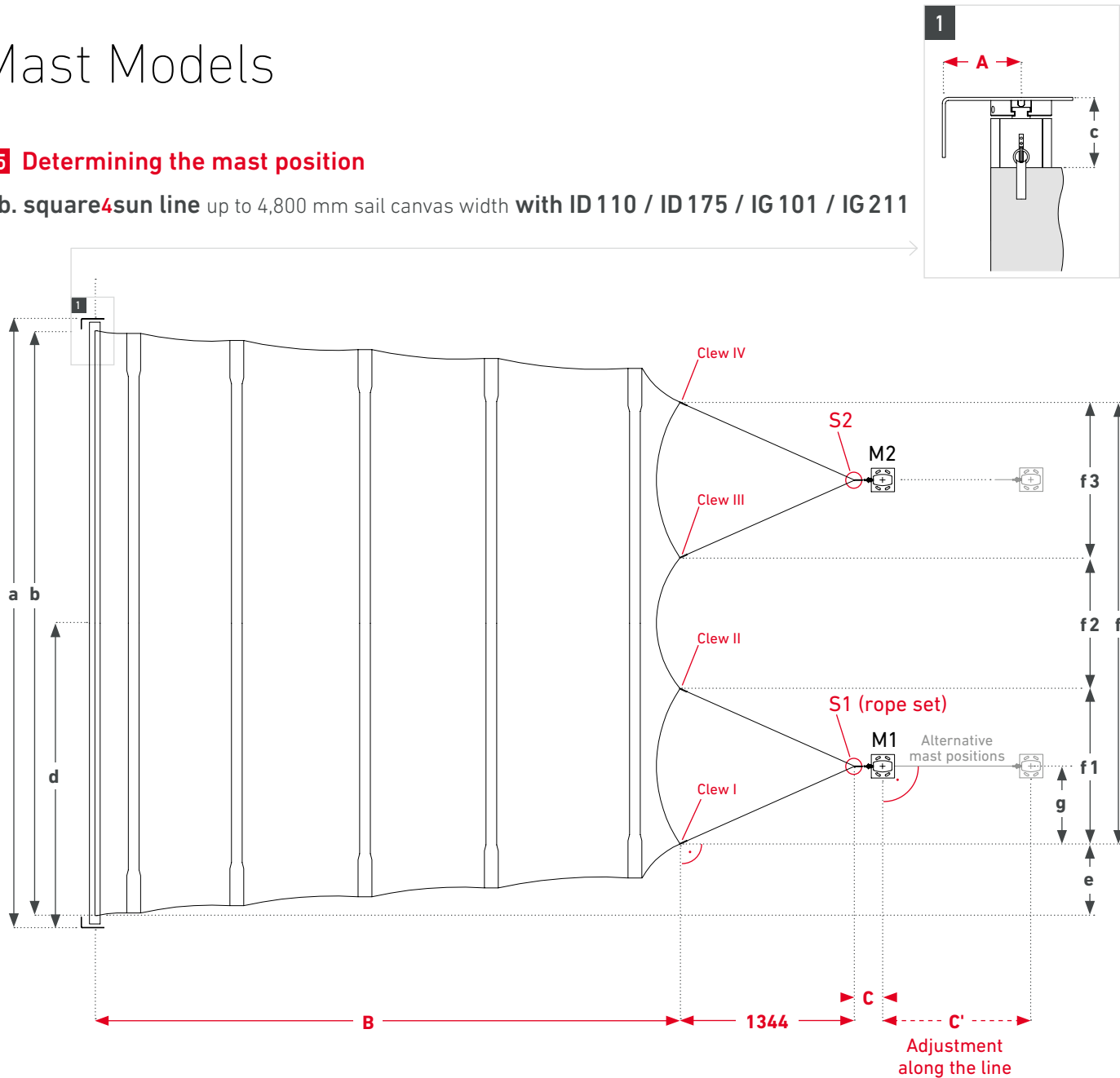
Determining the mast height:

The height of the castor is normally equal to the height of the roller tube.

# Mast Models

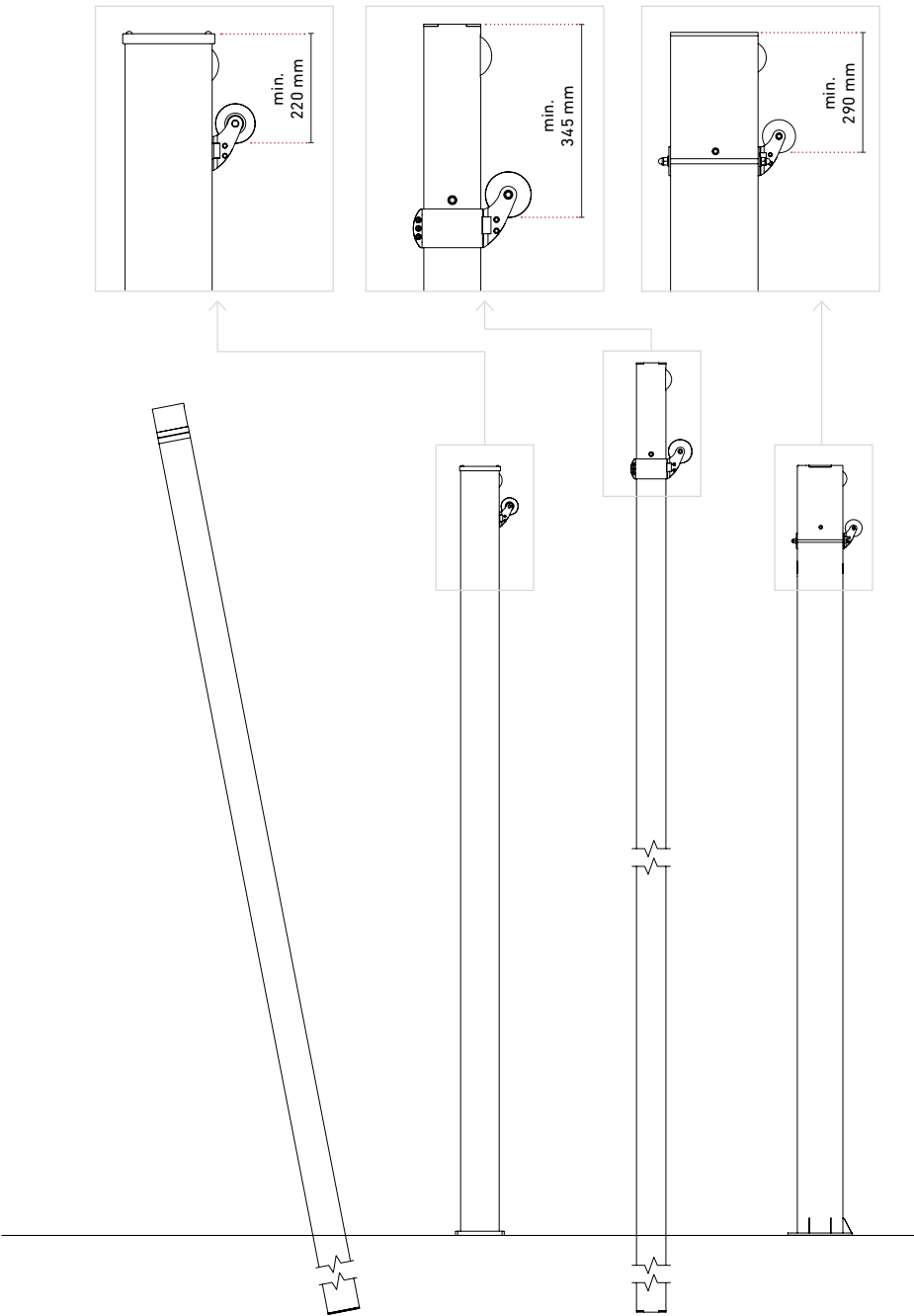
## 3.5 Determining the mast position

IVb. square4sun line up to 4,800 mm sail canvas width with ID 110 / ID 175 / IG 101 / IG 211



SYSTEM WIDTH in mm	
a Total system width	b + (2 × c)
b Sail canvas width	4,000 – 6,800
c Outer edge of wall mount + motor + roller tube up to start of sail canvas - With io motor (per side) - With power package / LT motor (per side) - With free-standing roller tube for single or double sail: see p. 29 + 31	115 200 see p. 29 + 31
d Half system width	a ÷ 2
e Tapering of sail canvas width	See 1.
f Clew I to IV	See 2.
f1 Clew I to II	See 3.
g Clew to center of mast	See 4.

SYSTEM LENGTH in mm	
A Wall mount to center of roller tube	130
B Center of roller tube to clew (projection)	4,000 – 7,800
C Rope set (S1) to center of mast ID 110 ID 175 IG 101 IG 211	min. 280 min. 295 min. 375 min. 370



SYSTEM HEIGHT	ID 110	ID 175	IG 101	IG 211
Mast height	3,627	3,000	5,240	
		3,500	5,850	
		4,000		
		4,500**		
Special sizes	Possible	Up to 7,000**		
Installation angle	0° – 90°	0° – 90°	90°	90°
Height of castor or outfeed roller (internal)	20	min. 220	min. 345	min. 290
Important Notice re. projection length	max. 5,800		For mast height 5,240: max. 5,500 / sail w. up to 6,000 max. 5,000 / sail w. as of 6,000 For mast height 5,850: max. 6,500	For mast height 3,000: max. 7,000

All measurements in mm \*\* = Length of over 4,000 mm must be anchored

## CALCULATION

### 1. Calculation of clew I position

$$e = B \times 0.07^* + 290 \text{ mm}$$

\* The Bahama technical team uses the factor 0.0697 for the individual calculation.

### 2. Calculation of f

$$f = b - 2 \times e$$

### 3. Calculation of f1

$$f1 = f \div 3 \quad | \quad f1 = f2 = f3$$

### 4. Calculation of g

$$g = f1 \div 2$$

### Example calculation

You have chosen a square4sun line with a sail width (b) of under 4,800 mm. The following calculations assume a sail width (b) of 4,130 mm and a sail length (B) of 7,800 mm. In order to determine the mast position, you first require the position of clew I/the eyelet.

$$7,800 \text{ mm} \times 0.07 + 290 \text{ mm} = 836 \text{ mm (e)}$$

Once the exact position of clew I has been identified, the clearance (f) from clew I to clew IV is calculated (see 2.).

$$4,130 \text{ mm} - 2 \times 836 \text{ mm} = 2,458 \text{ mm}$$

The calculated clearance f is then used to calculate clearance f1 (clew I to clew II; see 3.).

$$2,458 \text{ mm} \div 3 \approx 819 \text{ mm}$$

For mast position M1, the mast is drawn in by dimension g starting from the clew (see 4.).

$$819 \text{ mm} \div 2 \approx 409 \text{ mm}$$

The minimum clearance for M1 from clew I is 1,344 mm + C.

The mast can be moved further back along line C for an alternative mast position (C').

Mast position M2 uses the same dimensions, but starting from clew IV.

The measured distances must always be at right angles to one another!

NOTE: f1, f2, and f3 are identical for sail widths up to 4,800 mm.

### Determining the mast height:

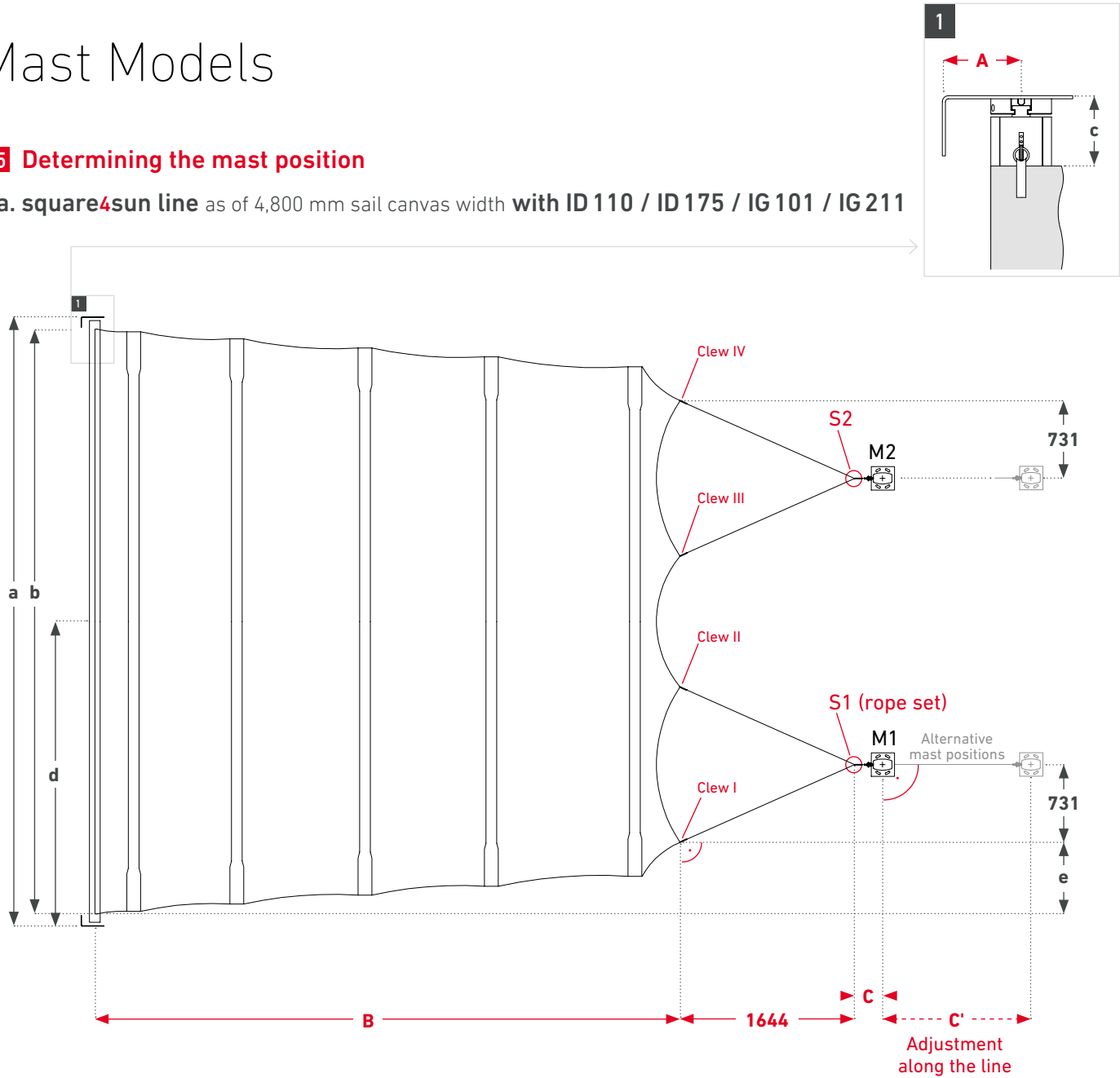
The height of the castor is normally equal to the height of the roller tube.



# Mast Models

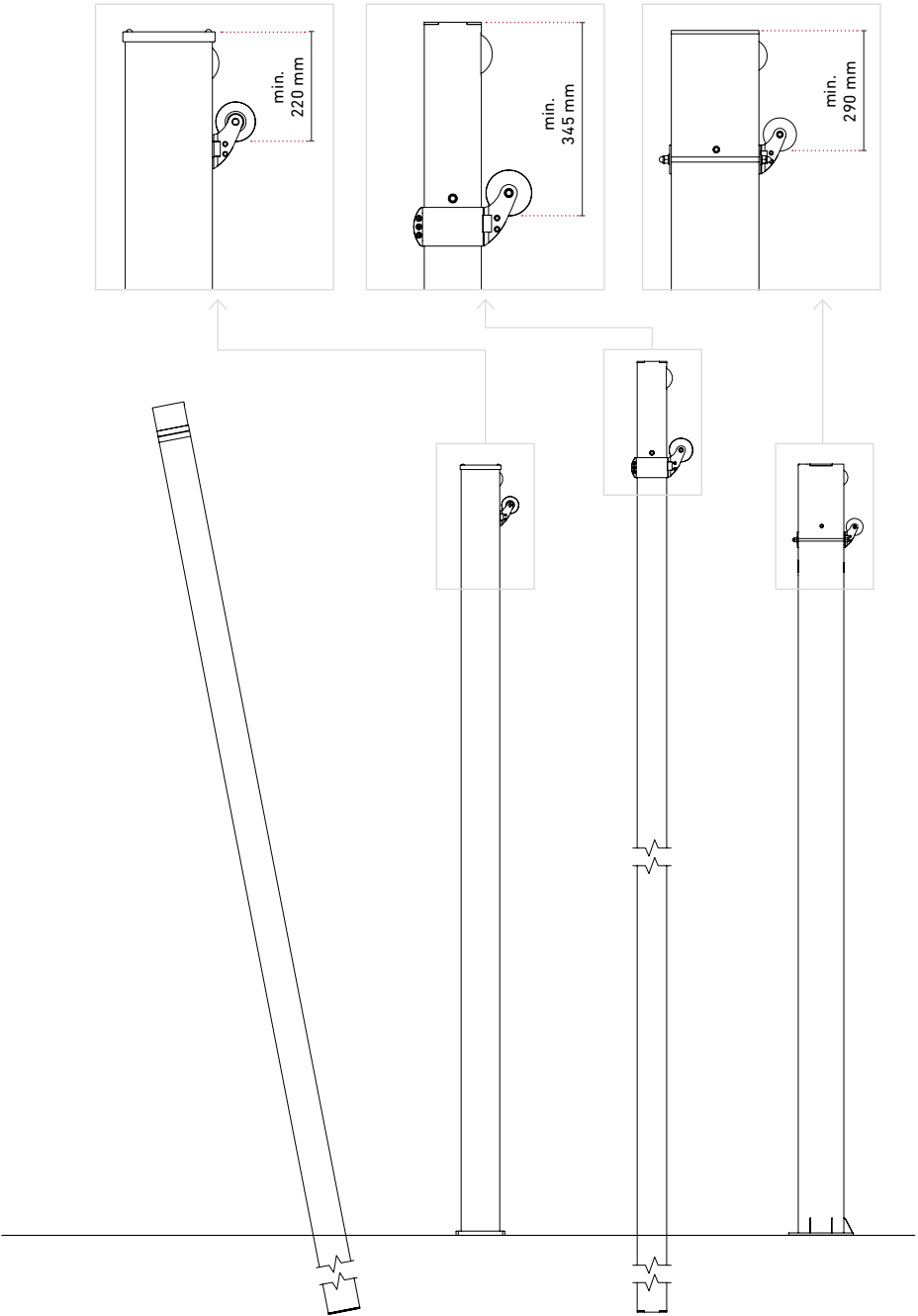
## 3.5 Determining the mast position

IVa. square4sun line as of 4,800 mm sail canvas width with ID 110 / ID 175 / IG 101 / IG 211



SYSTEM WIDTH in mm	
a Total system width	b + (2 × c)
b Sail canvas width	4,800 – 6,800
c Outer edge of wall mount + motor + roller tube up to start of sail canvas - With io motor (per side) - With power package / LT motor (per side) - With free-standing roller tube for single or double sail: see p. 29 + 31	115 200
d Half system width	a ÷ 2
e Tapering of sail canvas width	See 1.

SYSTEM LENGTH in mm	
A Wall mount to center of roller tube	130
B Center of roller tube to clew (projection)	4,000 – 7,800
C Rope set (S1) to center of mast ID 110 ID 175 IG 101 IG 211	min. 280 min. 295 min. 375 min. 370



SYSTEM HEIGHT	ID 110	ID 175	IG 101	IG 211
Mast height	3,627	3,000	5,240	
		3,500	5,850	
		4,000		
		4,500**		
Special sizes	Possible	Up to 7,000**		
Installation angle	0° – 90°	0° – 90°	90°	90°
Height of castor or outfeed roller (internal)	20	min. 220	min. 345	min. 290
Important Notice re. projection length	max. 5,800		For mast height 5,240: max. 5,500 / sail w. up to 6,000 max. 5,000 / sail w. as of 6,000 For mast height 5,850: max. 6,500	For mast height 3,000: max. 7,000

All measurements in mm \*\* = Length of over 4,000 mm must be anchored

## CALCULATION

### 1. Calculation of clew I position

$$e = B \times 0.07^* + 290 \text{ mm}$$

\* The Bahama technical team uses the factor 0.0697 for the individual calculation.

### Example calculation

You have chosen a square4sun line with a sail width (b) of over 4,800 mm, meaning that the draw-out and the minimum clearance of the mast are predetermined.

The following calculations assume a sail length (B) of 7,800 mm.

In order to determine the mast position, you first require the position of clew I/the eyelet.

$$7,800 \text{ mm} \times 0.07 + 290 \text{ mm} = 836 \text{ mm (e)}$$

Once the exact position of clew I has been identified, mast position **M1** requires that the mast feature a draw-in of 731 mm to the inside and a clearance of **1,644 mm + C**.

The mast can be moved further back along line C for an alternative mast position (C').

Mast position **M2** uses the same dimensions, but starting from clew IV.

**The measured distances must always be at right angles to one another!**

### Determining the mast height:

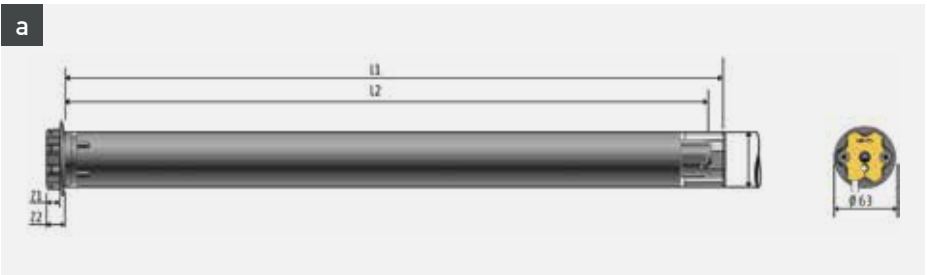
The height of the castor is normally equal to the height of the roller tube.

# 4. Drive | Control and Safety

The sail is driven by a tube motor located in the roller tube, which can be operated in a number of different ways. Somfy io or Somfy LT. The power package is another drive variant in which the reinforced drive is supplied by two tube motors.

## 4.1 Somfy io system | Remote controlled

Advanced and secure io-homecontrol® wireless technology uses a universal communication protocol. This enables all components to communicate with one another, leaving users free to control all comfort and safety elements via a single unit. It is even possible to control and monitor the system using a smartphone.



1 Sunea 60 io 120/12 tube motor **a**

Situo 1 io Pure handheld transmitter **b**

OPTIONAL

Situo 5 io Pure handheld transmitter **c**

Situo 5 Variation A/M io Pure handheld transmitter **d**

Smoove A/M IN io Pure shine wall-mounted transmitter **e**

Eolis Wire Free io wind sensor **f**

Sunis Wire Free II io sun sensor **g**

Wind monitor eolis io 230 V with rain sensor connection and 5 m cable **h**

Rain sensor ondeis including self-regulating heater as well as bracket for wall mounting (h and d or e required in addition) **i**



If the Somfy io system cannot be used due to country-specific requirements, we offer Somfy RTS products as an alternative.

## 4.2 Somfy LT system | Wired

The sail can also be extended and retracted using a wired controller. Alternatively, these functions can be integrated into an on-site KNX (bus) controller.



1x LT 60 Taurus 120/12 tube motor

OPTIONAL

On-site KNX (bus) control possible

Wind and sun sensor “Soliris Uno complete kit”

Soliris Smoove IB+ Pure | Time, wind and sun monitor (individual motor control unit required in addition)

Smoove Pure cover frame

## 4.3 Power package | Variants

The reinforced drive is supplied by two tube motors. Not only is the power package recommended for larger sail surfaces and locations featuring high wind speeds, it is already included in the price of certain sail sizes.

### I. Junction box WITHOUT Slim Receiver io

2 × LT 60 Taurus 120/12 tube motor

Tandem control unit IP44, operated by 2 drives

Drive cable 1 m and 10 m

Dimensions: 180 × 255 mm, installation height = 110 mm

### II. Junction box WITH Slim Receiver io – as I. plus:

Slim Receiver io plug

Situo 1 io Pure handheld transmitter, 1 channel

If the Somfy io system cannot be used due to country-specific requirements, we offer Somfy RTS products as an alternative.

### III. Aluminum case for outdoor installation

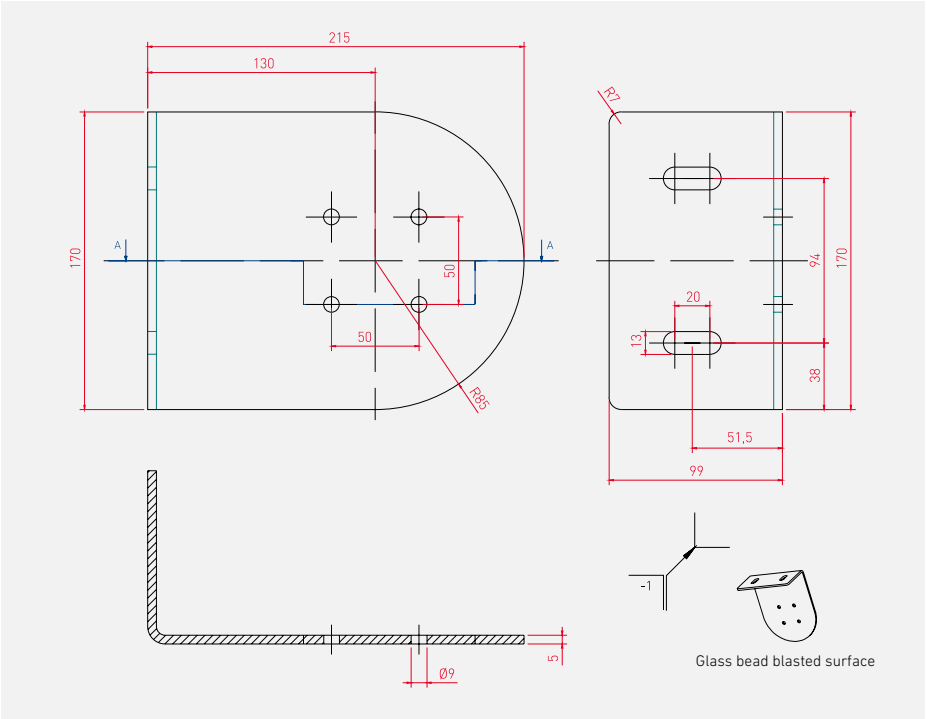
Aluminum case in gray color

Waterproof

# 5. Fastening | Installation Elements

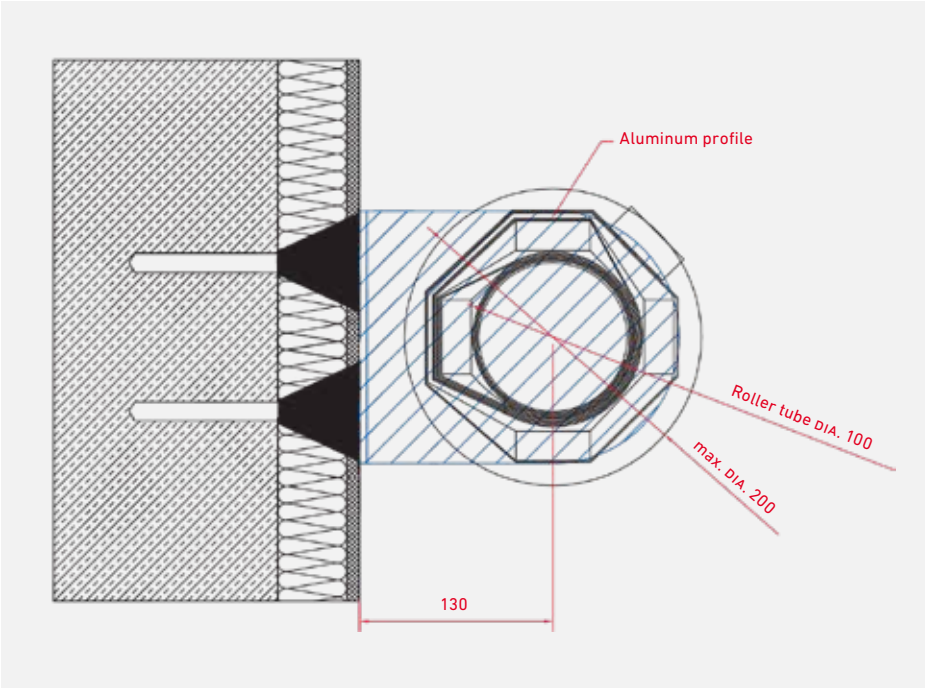
## 5.1 Roller tube for single-sail system | Wall fastening

### I. Standard wall mount



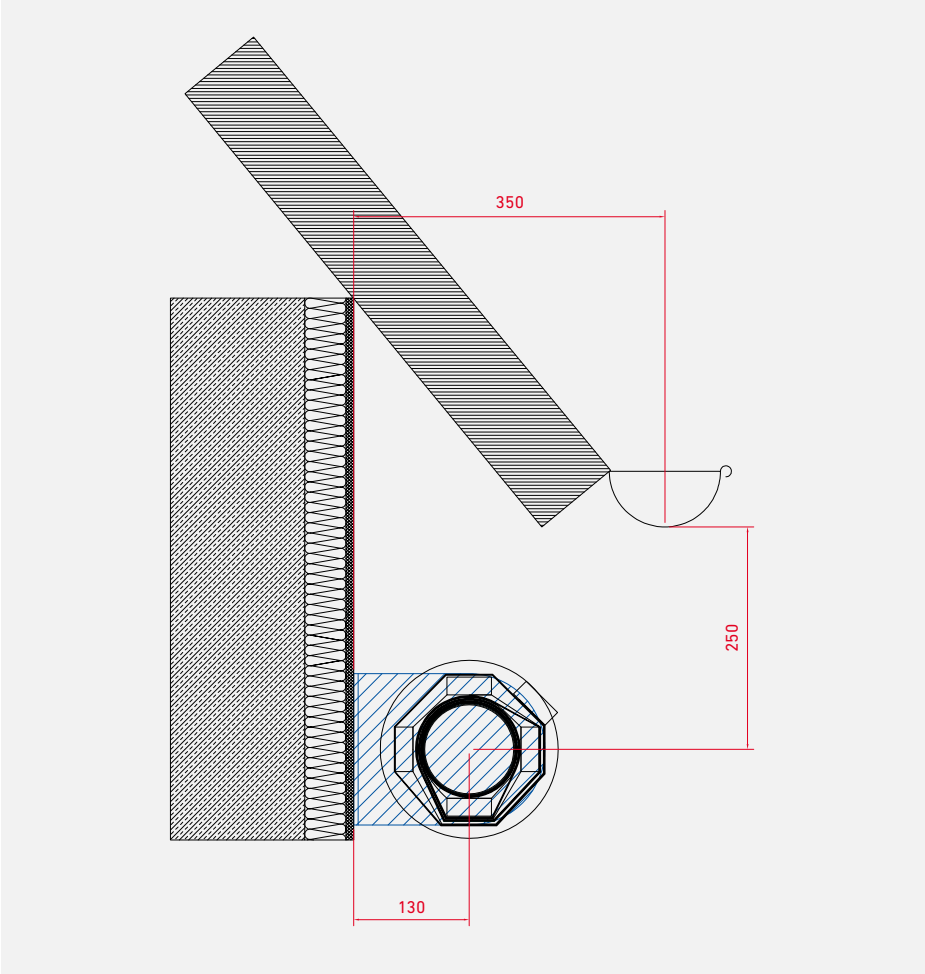
V2A stainless steel, glass bead blasted  
215 × 170 × 99 mm; 5 mm thick  
Weight: approx. 2 kg  
4 screws for roller tube support bracket  
Two slotted holes for installation on the wall  
OPTIONAL  
Special design with different arm lengths

### Attachment to wall



Roller tube diameter: 100 mm  
Maximum roller tube diameter inc. rolled-up sail: 200 mm  
Distance from wall to center of roller tube: 130 mm

### Attachment to wall below roof overhang



Minimum clearance from center of roller tube to roof: see table below  
Minimum clearance from wall to center of roller tube: 130 mm

### Dimensions for roller tube fastening below roof



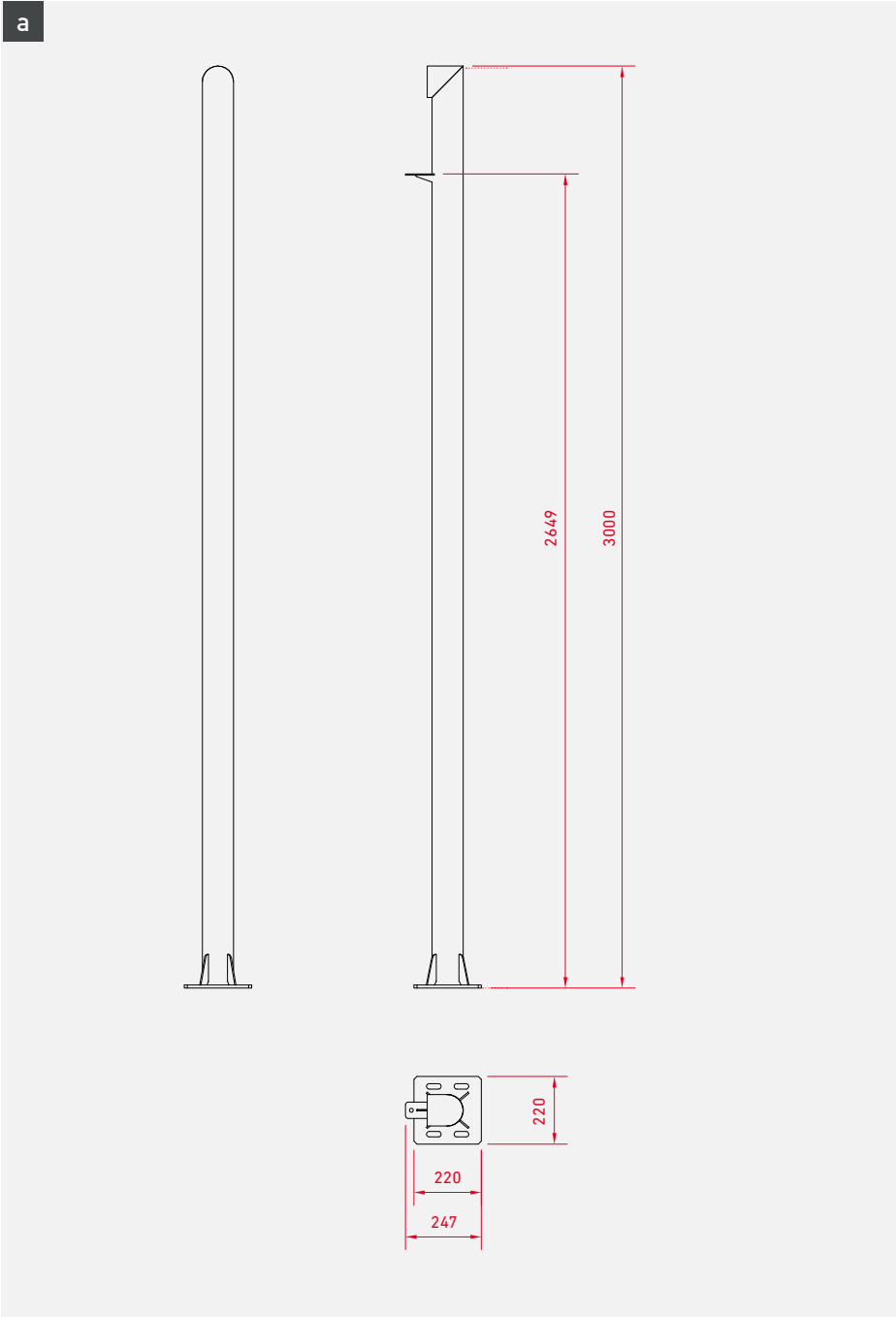
The maximum diameter of the furled-up Sail is 200mm. **a**  
Due to the wind pressure relief system the sail moves with the wind. A collision of the sail in stronger winds cannot be ruled out. We therefore recommend the use of a wind monitor for sub-roof installations.  
Alternative: sub-roof mounting via special wall brackets or standard wall brackets with console supplied by customer **b**



# 5. Fastening | Installation Elements

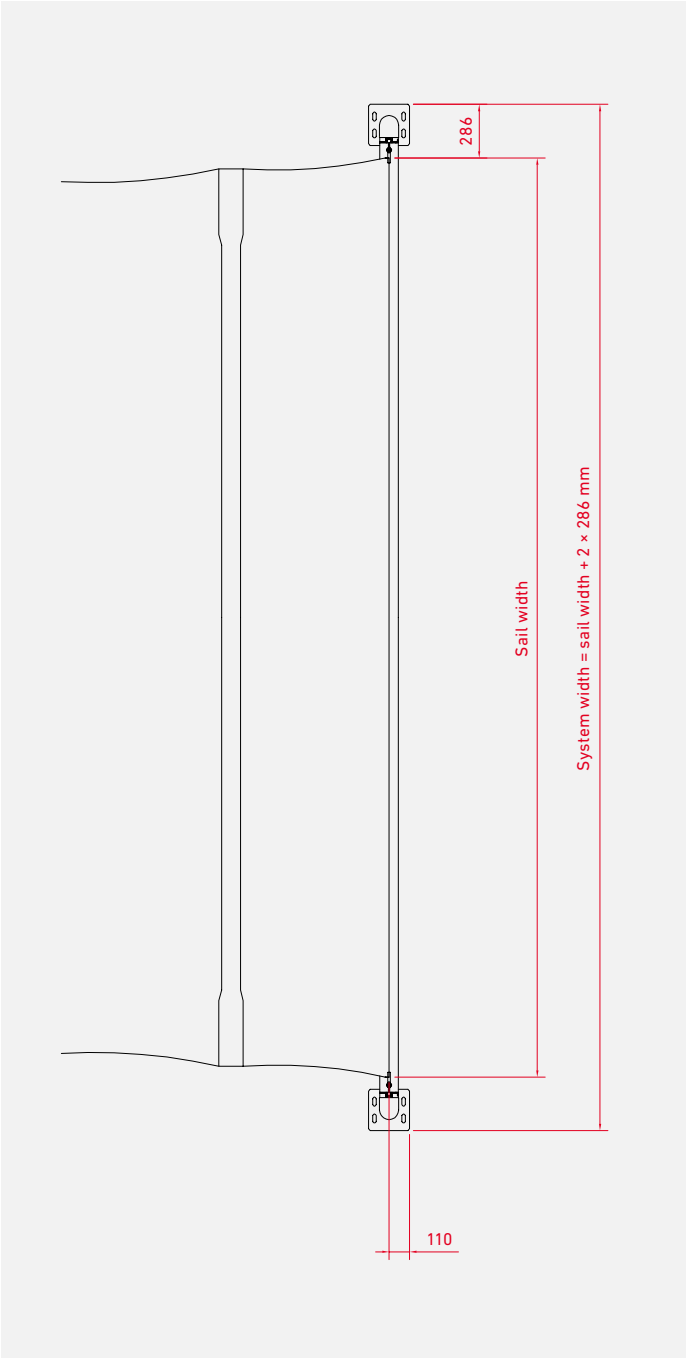
## 5.1 Fastening for single-sail system | for double-sail system

### II. Free-standing roller tube for single-sail system

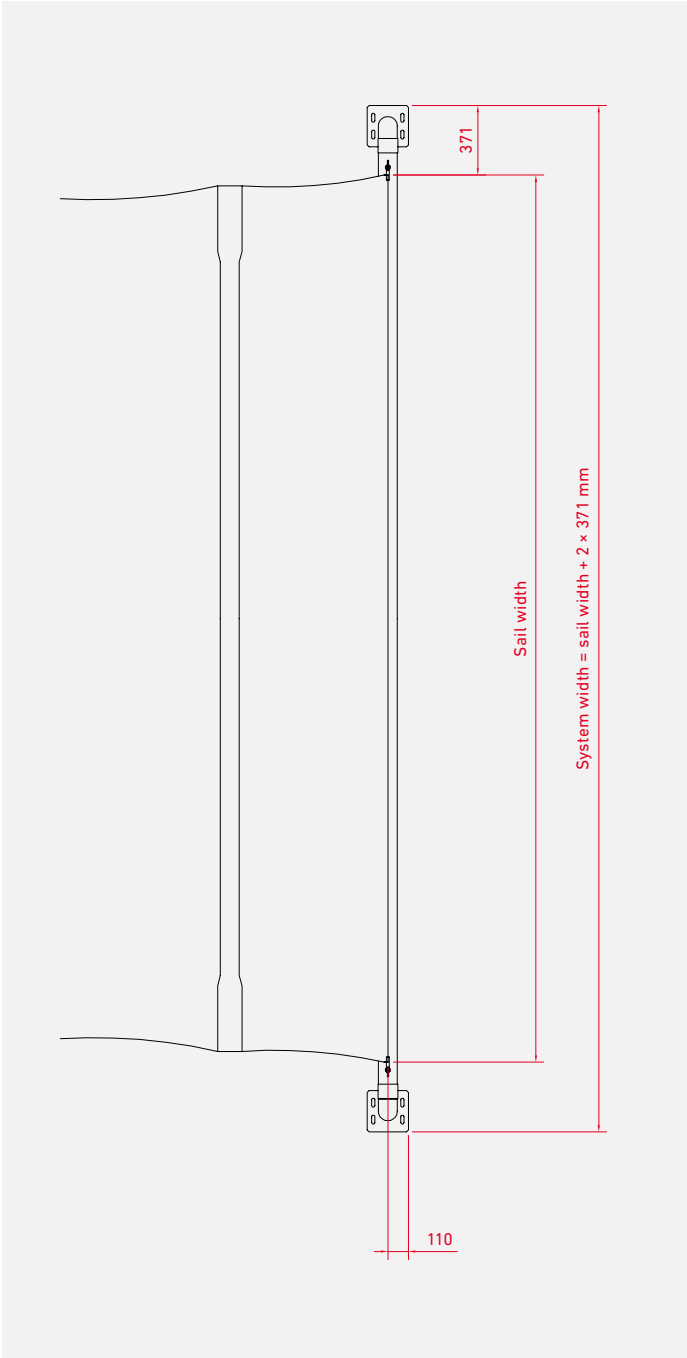


- V2A stainless steel
- Right-angle bracket **a** or cranked **b** (connection to roller tube)
- Height 3,000 mm
- Post = ø 101,6 mm
- Cross bar = ø 60 mm

### Calculations of system width



- Free-standing system with Somfy io or RTS system (1 motor)
- Sail canvas width + 2 x 286 mm generates the system width

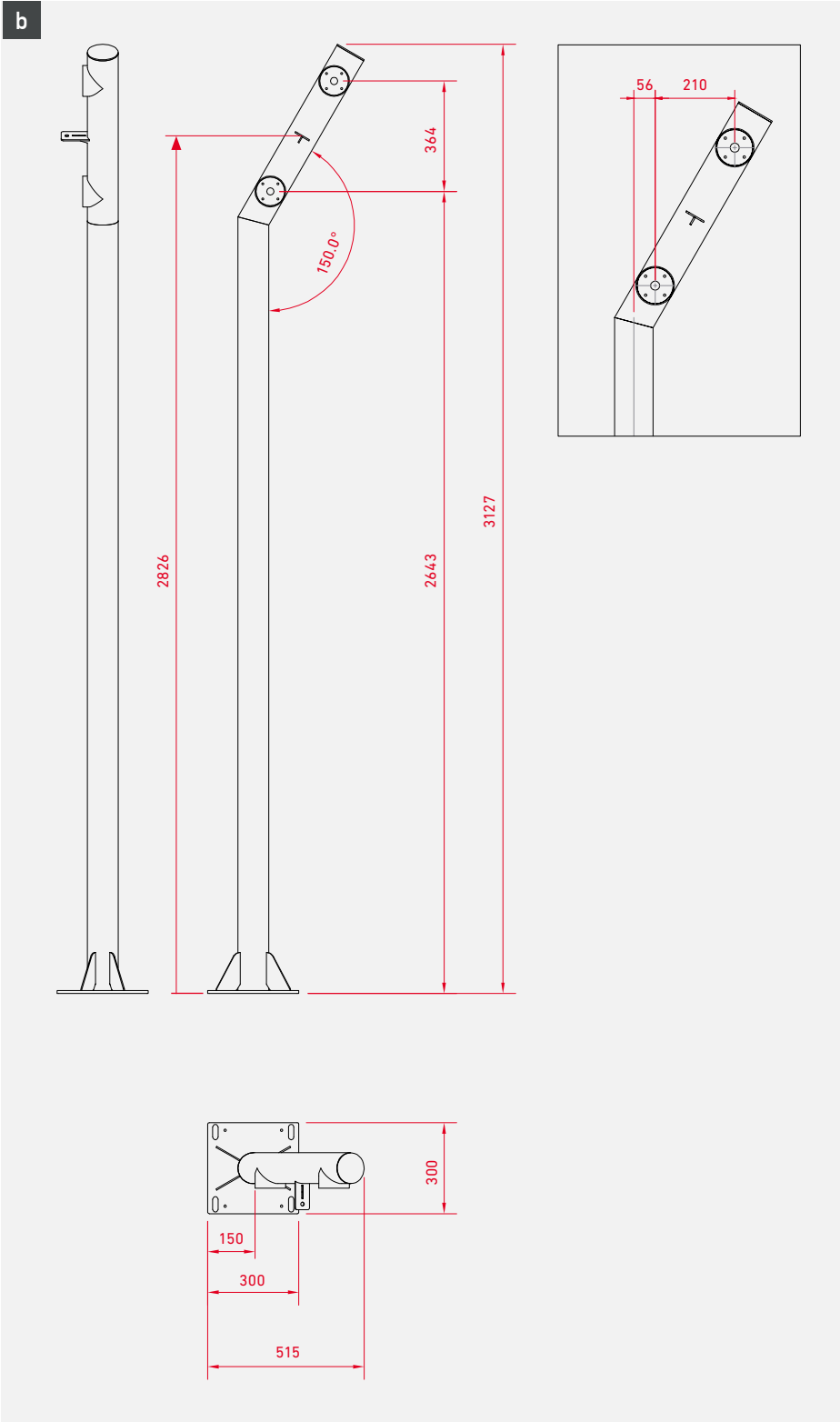


- Free-standing system with power package (2 motors) or LT 60 Taurus
- Sail canvas width + 2 x 371 mm generates the system width

# 5. Fastening | Installation Elements

## 5.1 Fastening for single-sail system | for double-sail system

### III. Free-standing roller tube for double-sail system



V2A stainless steel

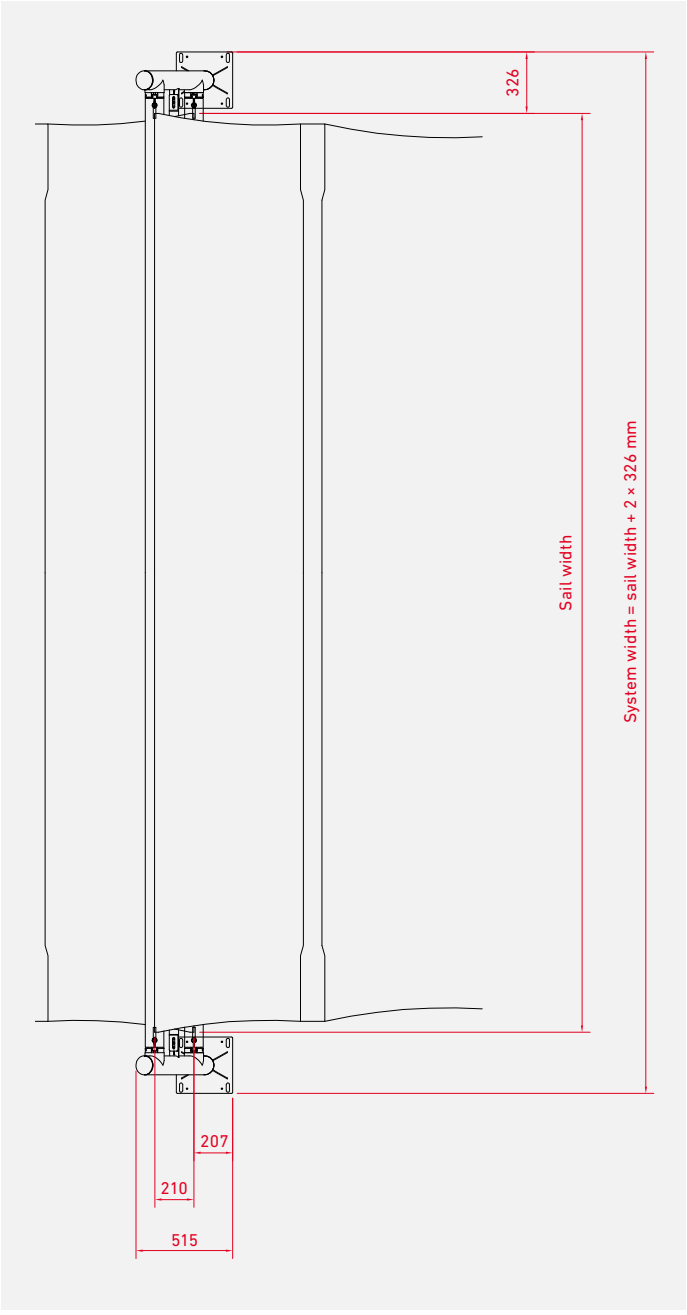
Bracket without/with roller tube  
offset **a** | 30° inclination **b**

Height 3,127 mm

Post = ø 101,6 mm

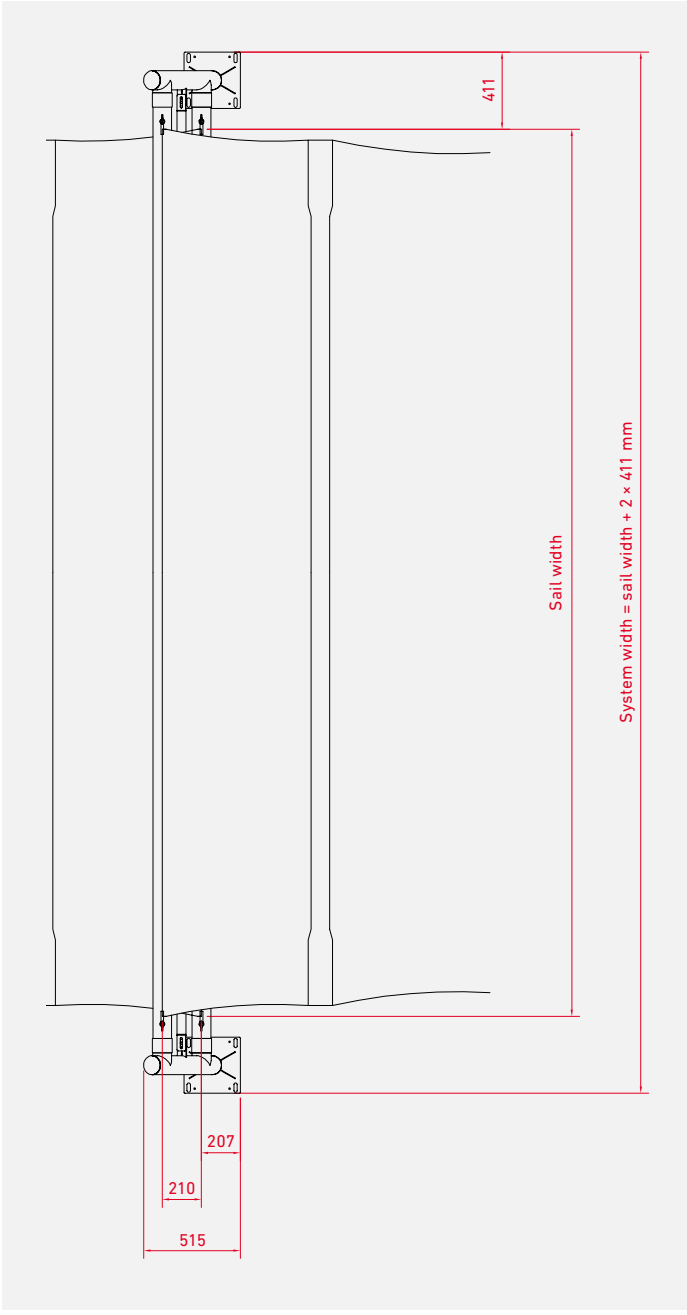
Cross bar = ø 60 mm

### Calculations of system width



Free-standing system with 2 sails and Somfy io or RTS system (1 motor)

Sail canvas width + 2 x 326 mm generates the system width



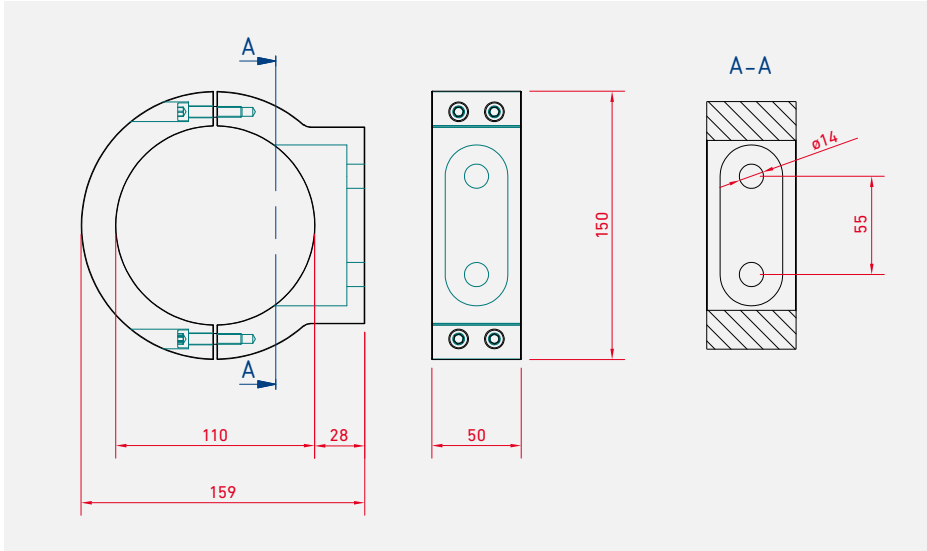
Free-standing system with 2 sails and power package (2 motors) or LT 60 Taurus

Sail canvas width + 2 x 411 mm generates the system width

# 5. Fastening | Installation Elements

**5.2 for ID 110**

**I. Wall clamp**



Clamp for installation of the ID 110  
Powder-coated in mast color  
Weight: 1,11 kg (per clamp)  
2 clamps are required per mast

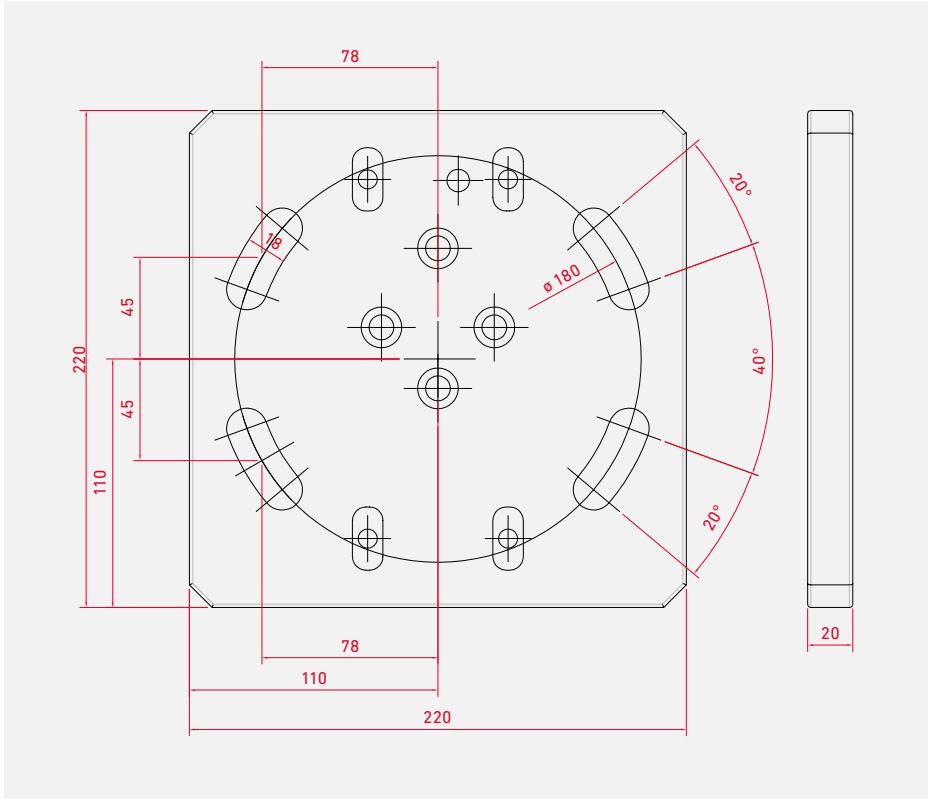
**Ground sleeve with alignment aid aid for ID 110**



Ground sleeve including alignment aid aid for predefined angle  
Material: resin  
Weight: 3,6 kg (incl. alignment aid)  
Sleeve dims: 1,000 × 125 × 125 mm  
Alignment aid dims: 125 x 125 x 39 mm  
Installation angle: 79°

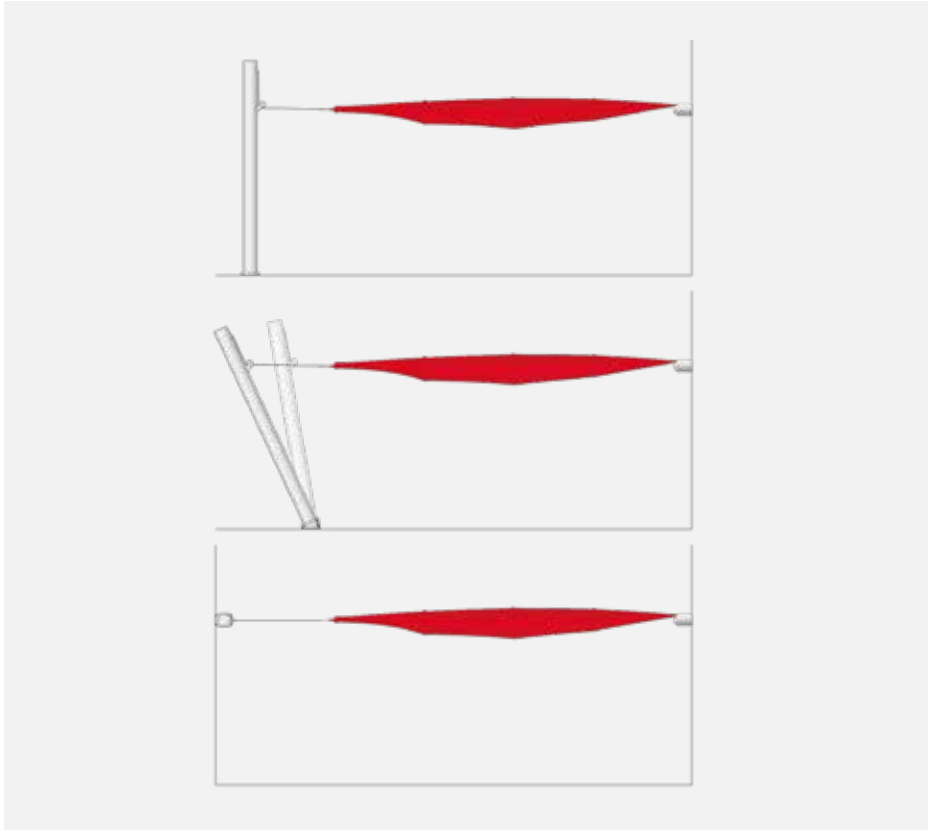
**5.3 for ID 175**

**I. Ground plate**



Material: aluminum  
Weight: 2.5 kg  
220 × 220 × 20 mm  
Ground plate is firmly screwed into place  
Circle of holes is identical to Krinner ground screw KSF F 140 × 1600-M

**Installation angle for ID 175**



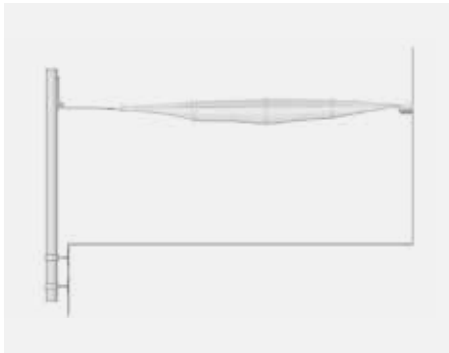
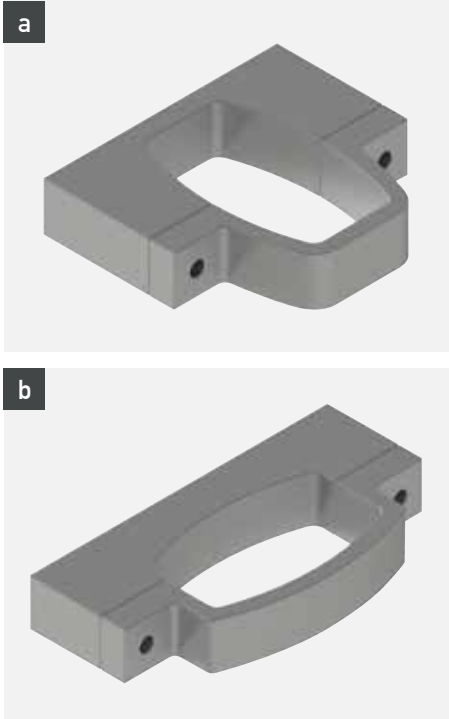
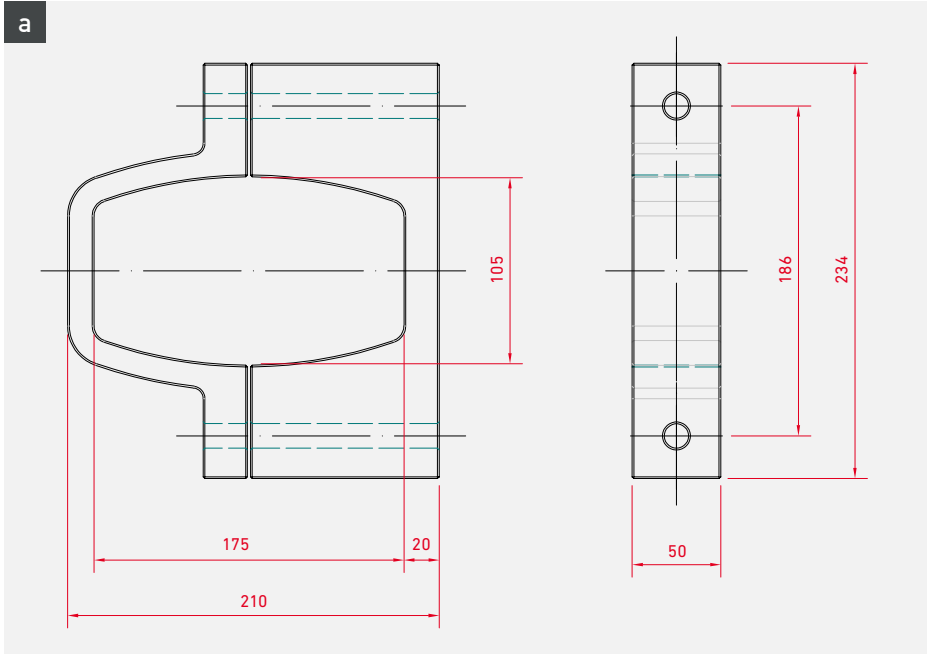
Suitable for installation at all inclinations without any restrictions  
Inclined installation possible via on-site special design  
Horizontal installation on wall possible using wall clamps



# 5. Fastening | Installation Elements

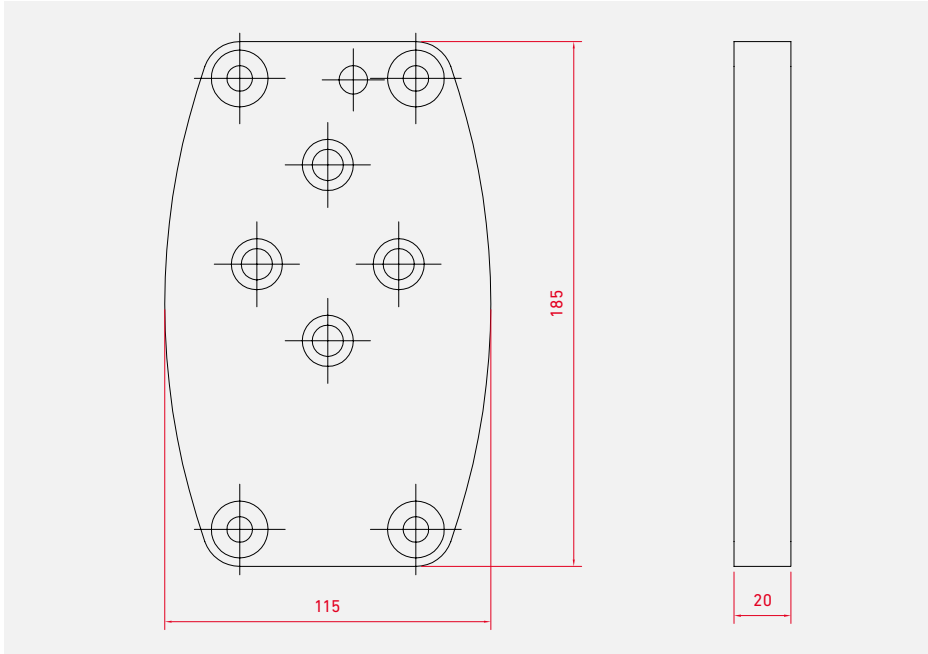
5.3 for ID 175

## II. Wall clamps



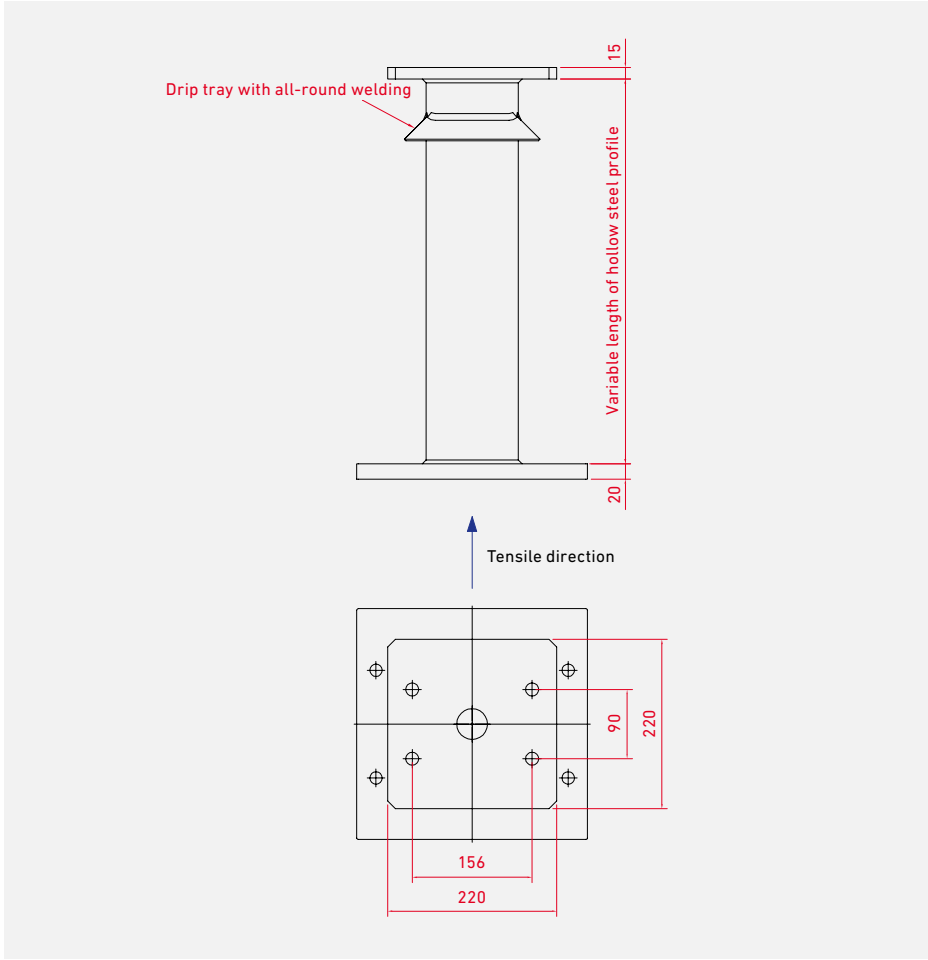
Front wall clamps for front fastening **a**  
Side wall clamps for side fastening **b**  
Material: aluminum  
Powder-coated in mast color  
Weight: 3.5 kg (one entire mast clamp)  
2 wall clamps are required per mast.

## III. Ground plate for installation with wall clamps



Material: aluminum  
Powder-coated in mast color  
Weight: 1 kg  
159 × 115 × 20 mm  
Ground plate is firmly installed

## IV. Mast bracket – spacer



Material: hot-dip galvanized steel  
Customized height possible  
Spacer between insulation and subsurface  
As base e.g. on roof terraces



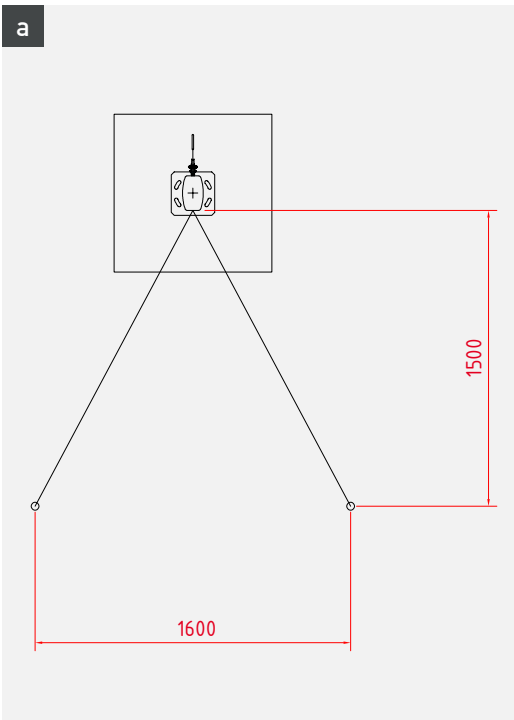
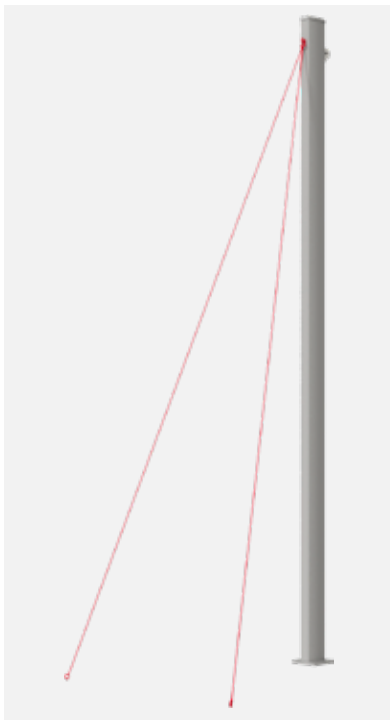
# 5. Fastening | Installation Elements

5.3 for ID 175

## V. Krinner ground screw for ID 175



KSF F 140 × 1600-M
1.6 m long
Material: hot-dip galvanized steel



## VI. Anchoring set

Required for mast heights exceeding 4,000 mm
Steel sail connected to mast via shackle
Rear anchoring on Krinner ground screw or concrete base

The dimensions given in a apply to mast lengths of 4,500 and 5,000 mm

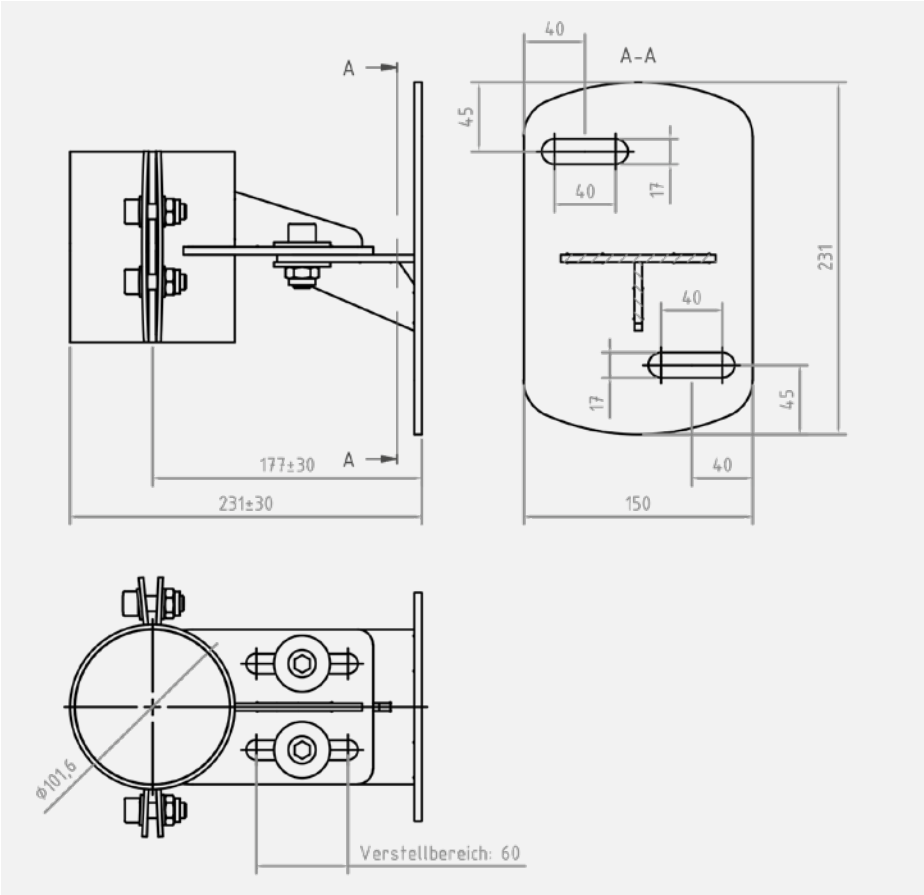




# 5. Fastening | Installation Elements

5.4 for IG 101

I. Wall clamps



Material: V2A stainless steel
Weight: 3.5 kg
Dimensions: 577 × 375 × length (varies according to configuration via slotted holes)

II. Krinner ground screw



KSF E 140 × 1600-E76-100
1.6 m long
Material: hot-dip galvanized steel

Krinner eccentric set E-100



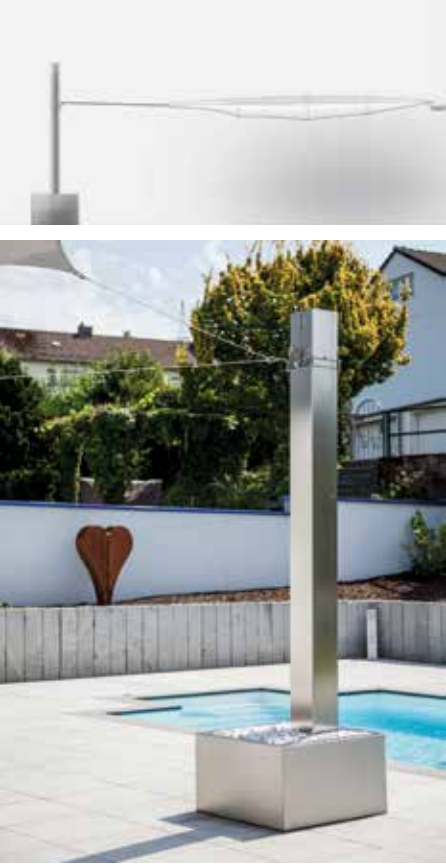
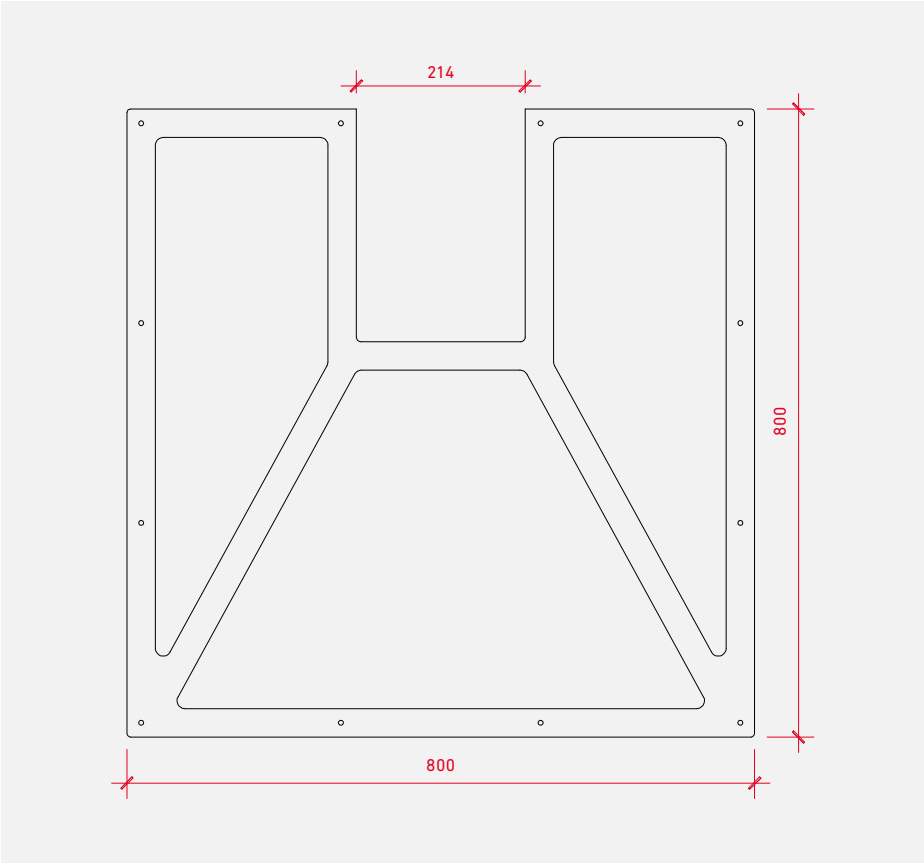
Material: steel and resin
Eccentric set for pipe diameter of 96.5 mm to 101 mm
Consists of clamping ring (screw connection ring for permanent fixing), eccentric (for aligning and fixing pipes) and hexagon screws (for fixing the clamping ring)



5. Fastening | Installation Elements

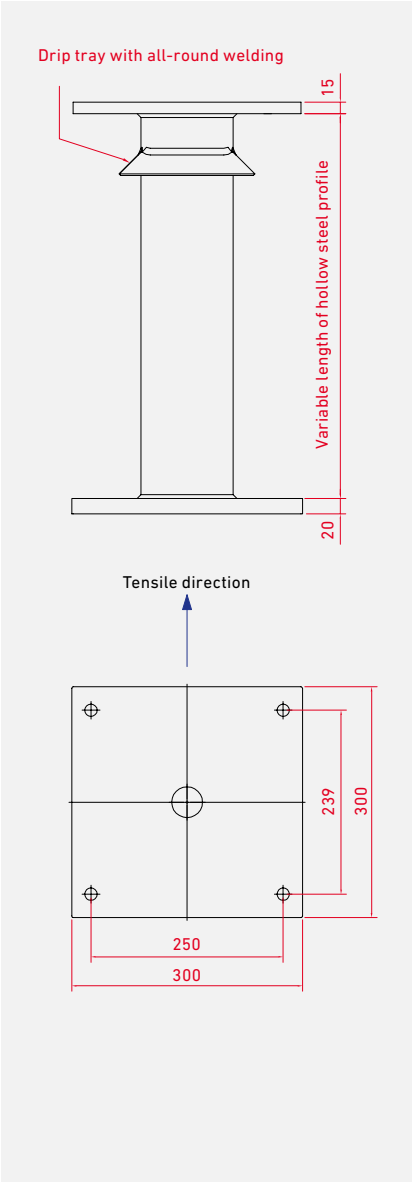
5.5 for IG 211 for mast herghts of 3,000 mm

I. C4sun Cube

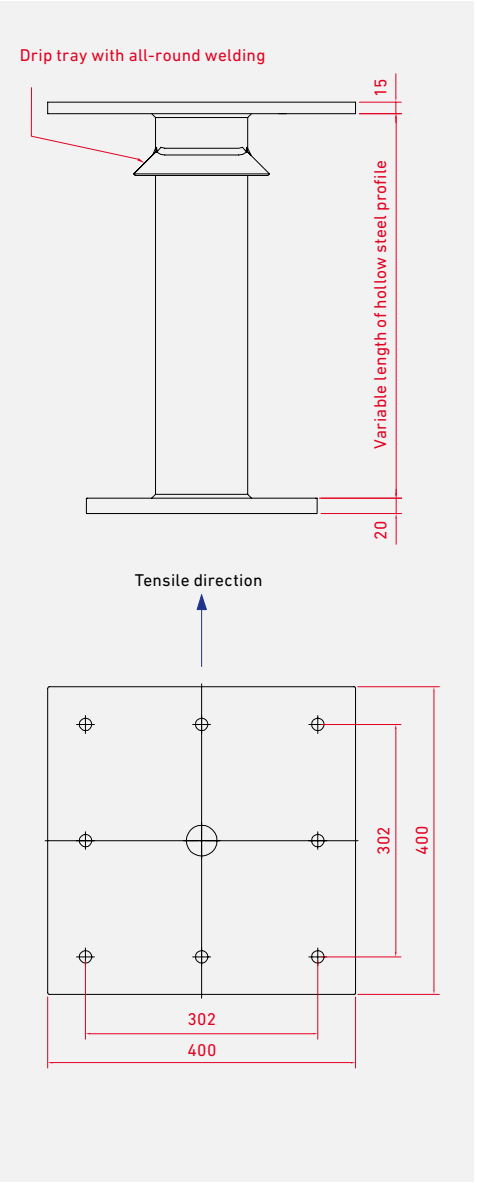


Material: V2A stainless steel
800 × 800 × 400 mm
On-site ballasting weighing approx. 400 kg, e.g. gravel
Mounting frame 796 × 796 mm; mast bracket 214 mm wide
Used as seat, planter, etc.

II. Mast bracket – spacer | IG 211  
Mast height 3,000 mm



Mast height 3,500 mm



Material: hot-dip galvanized steel
Customized height possible
Spacer between insulation and subsurface
As base e.g. on roof terraces



## 5. Fastening | Installation Elements

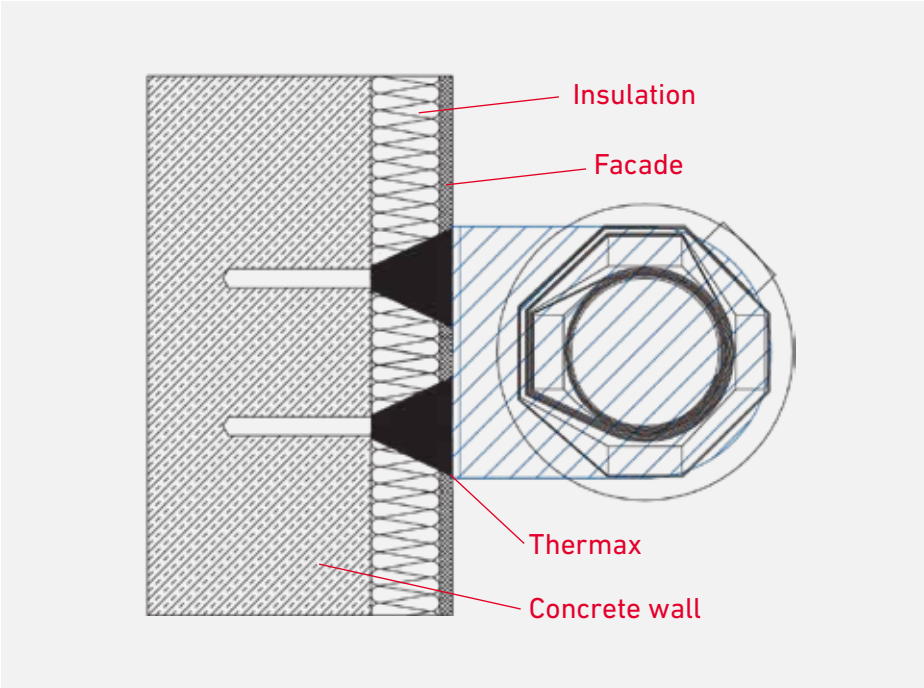
### 5.5 Fastening set for wall mount or wall clamp

#### Fischer installation set

For concrete wall inc. anchor rods M12 x 150 mm, injection mortar, perforated sleeves, screws, and accessories

For thermal insulation system inc. Thermax 12/110 M12, injection mortar, perforated sleeves, screws, and accessories

For thermal insulation system inc. Thermax 16/170 M12, injection mortar, perforated sleeves, screws, and accessories



## 6. Additional Features

### 6.1 Schutzhülle



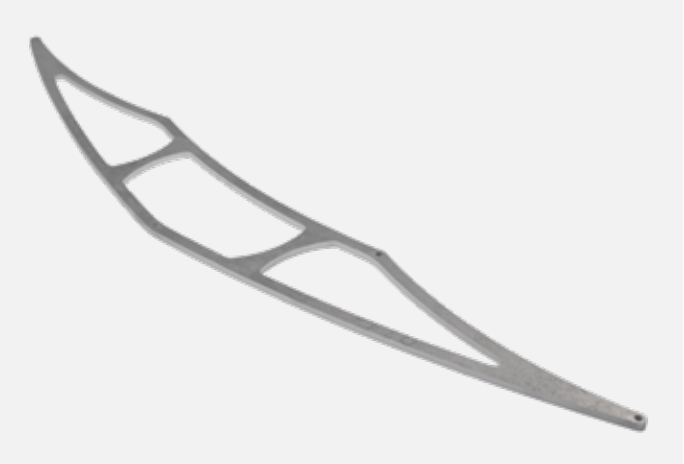
WeatherMAX 80, color: graphite
For roller tube inc. sail
With velcro fastening
For winter

### 6.2 Heating radiator



Electric infrared radiator
1500 watts
Inc. wall mount
6 configurable levels via remote control
With durable Ultra Low Glow heating pipes

### 6.3 Clew shortening



For elips4sun sail
Reduction of minimum mast clearance (center of mast) ID 175: 550 mm   IG 211: 635 mm
Material: aluminum, powder-coated



### 6.4 Rope deflection



V2A castor with wall mount, but without fastening material
Can be used for rope deflection from sail canvas to mast

## Notes





01/2022 | Note: Subject to change without notice

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