

Open awning

Topas II

Topas II/MiniMax with roof | without roof

The **Topas II** is a classic entry-level awning for anyone wanting to save money without sacrificing quality. Its uncomplicated technology makes it stable and wind-resistant. When open, the awning stands out with its extreme flexibility: With many high quality accessories, multiple features and diverse installation options the Topas II fulfils any individual requirement and can be adapted to suit any type of facade. Due to it's no compromise robust nature it is equally suited to any application.

Versions:



Topas II with roof



Topas II without roof



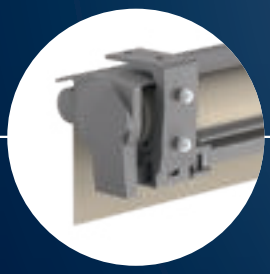
Topas II MiniMax: Projection greater than width



Mounting options:
Installation on walls, ceilings and rafters is possible



Wall installation



Ceiling installation



Rafter installation

Options:



VarioShade Valance



Topas II with metal valance



Wall connection with a top profile

Topas II Highlights

Joined units:
with roller supports

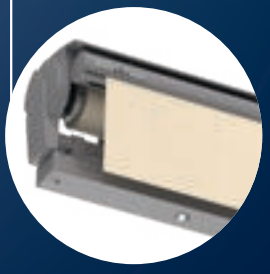


or jockey cover





Wind lock safety device:
the awning does not lift up when exposed to wind



LED Design light bar for Topas II (optional)



weinor LongLife arm:
very durable and low-noise

Topas II Benefits





Open or with a roof – classic design with the latest technology

weinor Topas II provides high comfort and reliable quality and an attractive price-performance ratio at the same time.

- With and without a roof (retrofitting of the roof is possible)
- Large widths
- Wind-resistant
- Diverse fabric selection
- Optionally available with a metal valance



LED design light bar for Topas II

Select LED components stand for top weinor quality:

- Atmospheric light thanks to special glass lenses
- Highly energy-efficient
- Operating life of 30,000 hours
- Dimmable LED with the weinor BiConnect remote controller or Somfy io-homecontrol®
- Installation by attachment to the carrier bar
- Service-friendly: Replacement of individual LED spotlights or electronic components possible without dismounting the awning



weinor LongLife arm – durable and quiet

The weinor LongLife arm features an exceptionally robust high-tech belt.

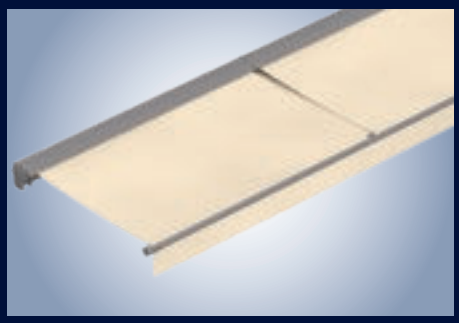
- Tested to more than 100,000 cycles
- Extremely quiet running, no maintenance necessary
- Drop forged aluminium in the joint – light but highly robust



Topas II MiniMax – for narrow spaces where a greater projection is needed

NEW! Available soon.

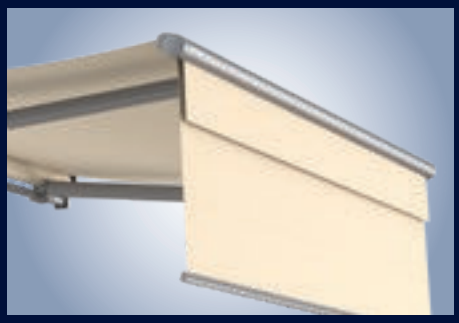
- Projection exceeds width
- Clever design with overlapping arms
- Available with and without a roof (roof can be retrofitted later)



Multi-section units – to shade especially large areas

Topas II is also available as a combined multi-section unit for very large spaces.

- As a 2-part unit up to 1,200 cm
- Jockey cover (2 piece fabric) or roller support with cradle and continuous one-piece fabric



VarioShade Valance – vertical privacy and sun protection

The VarioShade Valance is elegantly integrated into the front profile of the Topas II. It provides privacy and glare protection when the sun is low.

- Continuously extendable up to 210 cm
- Patented weinor Opti-Flow-System® for safe closing of the front profile and best fabric positioning

Topas II Technology

Topas II versions	Topas II with a roof/without a roof	Topas II MiniMax with a roof/without a roof
Technology		
Max. width, 1-section/2-section with a jockey cover	700 cm/1,200 cm	450 cm
Max. projection	400 cm	400 cm
Side dimensions (W x H) incl. standard bracket	215 mm x 213 mm (with a roof) 215 mm x 207 mm (without a roof)	215 mm x 321 mm (with a roof) 215 mm x 315 mm (without a roof)
Coupled units	215 mm x 213 mm (with a roof) 215 mm x 207 mm (without a roof)	—
Motor drive	● Standard	● Standard
Gear drive	○	○
Adjusting the awning pitch	5° to 40°	5° to 40°
Installation alternatives	Can be installed on walls, roofs and rafters	
LongLife arm	● Standard	● Standard
VarioShade Valance option		
Max. width	550 cm/600 cm	—
Max. awning projection	350 cm/300 cm	—
Side dimensions (W x H) incl. standard bracket	263 mm x 215 mm (with a roof) 263 mm x 210 mm (without a roof)	—
Gear drive	○	—
Motor drive	● Standard	—
Adjusting the awning pitch	10° to 20°	—
VarioShade Valance projection (height)	100 cm, 150 cm, 210 cm	—
Accessories		
Tempura/Tempura Quadra heating system	○	○
LED design light bar for Topas II	○	—
BiSens Agido-3V product protection sensor	○	○
Controls		
Remote control	○	○
No remote control	●	●
Weather sensors		
Sun/wind sensor	○	○
Sun/wind sensor, solar-operated	○	○
Sun/wind/rain sensor	○	○
Quality		
Tested up to	Wind resistance class 1 according to DIN 13561 (wind strength 5 on the Beaufort scale)	

● Standard ○ Option — Not available

Topas II LED



Light bar bracket

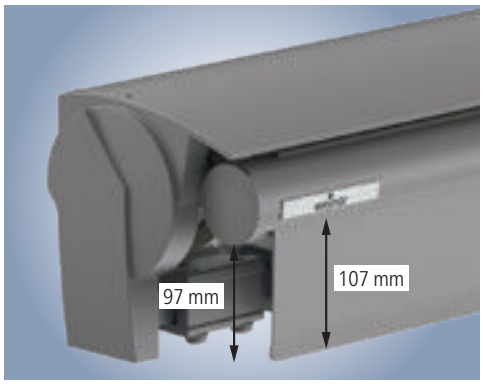
LED lighting – 30,000 hours of lighting with lowest energy consumption

Select LED components stand for top weinor quality:
- Atmospheric light thanks to special glass lenses
- Lighting remains on even when the awning is retracted
- Highly energy-efficient
- Operating life of 30,000 hours
- Dimmable with the BiConnect remote controller or Somfy io-homecontrol®
- Individual LED lamps can easily be replaced

Number of individual LED spotlights

Awning width in mm	Number of separate LED spotlights
550-1099	1
1100 – 1649	2
1650 – 2199	3
2200 – 2749	4
2750 – 3299	5
3300 – 3849	6
3850 – 4399	7
4400 – 4949	8
4950 – 5499	9
5500 – 6039	10
6040 – 6500	11
6501 – 7000	12

Topas II with metal valance (optional)



As opposed to textile valances, the metal valance from weinor is more durable and resistant against weather influence such as wind and rain. As it is easier to clean and maintain, it requires hardly any maintenance work.

Moreover, it covers the awning mechanics, not only making it more aesthetically appealing, but also protects the moving parts against dirt and damages. At the same time, it supports the stability of the front profile and enables more uniform closing of the awning over its entire width. The metal valance is fixed to the sides of the front profile with 2 screws (as with the textile valance).

Information:
- Metal valance can be retrofitted for Topas II.
- Ensure sufficient head clearance height beneath the front profile!
- Topas II MiniMax, joined units and VarioShade Valance cannot be combined with metal valance

Topas II VarioShade Valance



More privacy thanks to vertical privacy and sun protection (optional)

The gear or motor-driven vertical sun protection is elegantly integrated into the front profile of the awning.

- Glare and privacy protection up to a maximum valance height of 210 cm
- Steplessly extendable
- Use VarioShade Valance with an awning angle of pitch between 10° and 20°
- VarioShade Valance cannot be retrofitted
- VarioShade Valance with motor only with motorised awning
- VarioShade Valance only possible for single-section units
- cannot be combined with metal valance



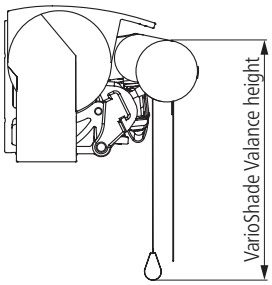
Motorised



With crank gear



VarioShade Valance retracted



Maximum awning size for VarioShade Valance

Main drive motor/gear			
Width	550 cm	Projection	350 cm
Width	600 cm	Projection	300 cm

V-shaped ripples
V-shaped ripples may be incurred symmetrically coming from the top edge of wider constructions. The reasons for this are the fabric's dead weight and structure as well as the sagging ripples.

Available fabrics for the VarioShade Valance

	Soltis® 86, 92	Soltis® 86, 92	Acrylic			Polyester		StarScreen	Fibreglass screen
Pattern	Single-colour	Single-colour	Striped	Single-colour	Single-colour	Striped	Single-colour	Single-colour	
Roll width	177 cm	267 cm	120 cm	120 cm	250 cm**	120 cm	120 cm	325 cm	max. 320 cm*
Valance length									
100 cm	S	S	T	S	–	T	S	S	S
150 cm	S	S	–	–	S	–	–	S	S
210 cm	T	S	–	–	S	–	–	S	–

S Seamless: Seamless fabric, fabric structure transverse to awning fabric structure
T Transverse seam: Fabric with transverse seam (glued), optionally in the top or bottom third as desired; fabric structure of fabric runs transverse to the awning fabric structure
L Longitudinal seam: Fabric structure longitudinal to the awning fabric structure
– Not available
* Max. roll widths, see collection swatches
** Seamless acrylic fabrics: 3-509-250, 3-708-250, 3-716-250, 3-719-250, 3-720-250

Please note: For VarioShade Valance with crank operation, uneven closing of the VarioShade Valance front profile is possible.

Topas II MiniMax



The **Topas II MiniMax** patio awning convinces with its dimensions. With a projection which exceeds its width, long, narrow spaces can easily be shaded.

The solution for narrow spaces

The projection which exceeds its width is achieved using arms attached at different heights. For example a projection of up to 400 cm is possible with a width of only 235 cm. Here, the lower arm is always located on the right-hand side if you view the awning from the front.

Note:

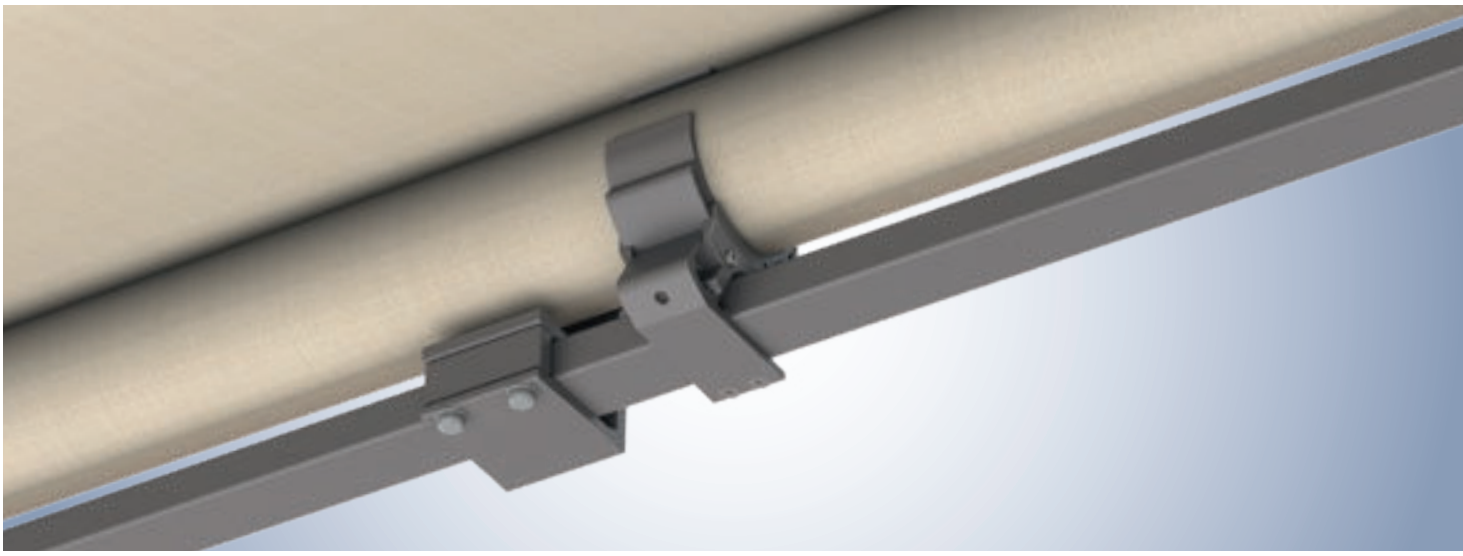
Topas II MiniMax cannot be supplied in combination with VarioShade Valance, LED Design light bar for Topas II, or the metal valance option.





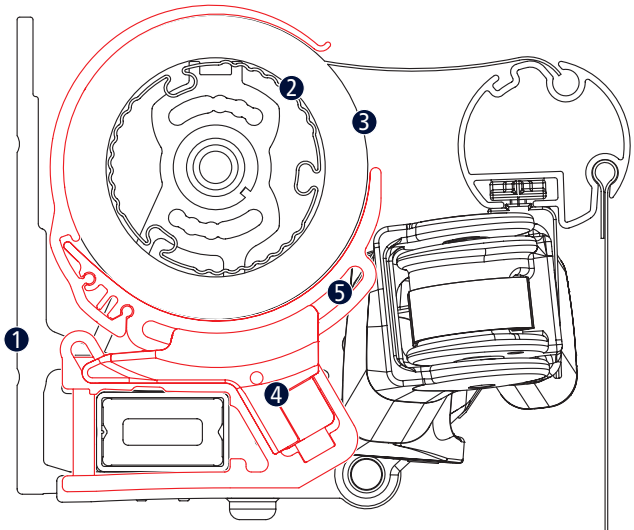


Topas II Roller support

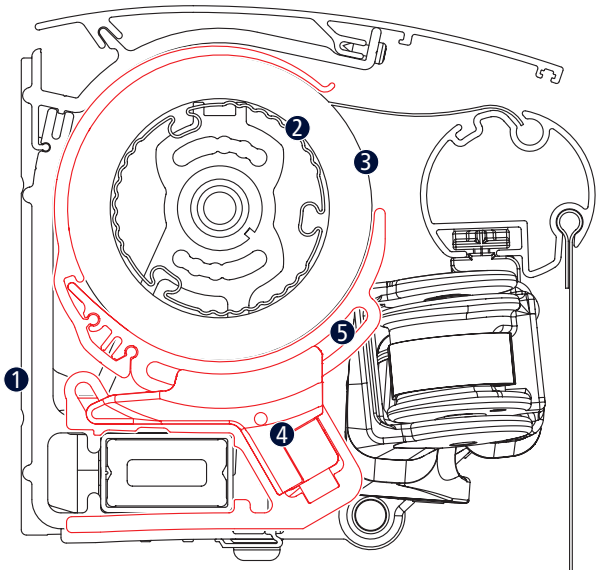


Topas II: Wall installation with a wall bracket and roller support

Wall bracket and roller support



Topas II without a roof



Topas II with a roof

1 Wall bracket
2 Roller tube
3 Fabric rolls
4 Roller support
5 Roller support bearing

Notes:

- A centre bracket is used for widths exceeding 401 cm.
- A central roller support and centre bracket are used for widths exceeding 501 cm.
- The roller support bearing is pre-assembled and can be adjusted to the size of the fabric roll accordingly.

Topas II Controls

weinor BiConnect radio technology

Product	Electronics	BiConnect control	Remote receiver	Transmitter
Topas II	Topas II drive	• BiConnect remote-controlled motor (Elero) integrated in the awning	Elero SunTop-868 remote-controlled motor	• BiEasy 1M hand transmitter • 1MW-3V wall-mounted transmitter
Topas II LED	Topas II drive and LED design light bar for Topas II	• BiRec receiver for main drive and LED design light bar for Topas II (with integrated power supply pack) integrated in the light bar • Dimmable LED	BiRec MLED	• BiEasy 5M/15M Go! Hand transmitter
Topas II VarioShade Valance	Topas II and VarioShade Valance drive	• BiRec combined receiver for main drive and VarioShade Valance drive integrated in the electronics box • Table retraction protection • Gradual switch-off	BiRec MVLED	• BiEasy 5M/15M Go! Hand transmitter
Topas II LED VarioShade Valance	Topas II and VarioShade Valance drive and LED design light bar for Topas II	• BiRec combi-receiver for main drive, VarioShade Valance drive and LED spotlights (with integrated power supply pack) integrated into the light bar • Dimmable LED • Table retraction protection	BiRec MVLED	• BiEasy 5M/15M Go! Hand transmitter
Accessories (optional)	Tempura/ Tempura Quadra heating	• Dimmable, additional receiver required • Accommodation of the receiver in the design bar provided for this purpose or the Tempura Quadra housing	BiRec HD	• BiEasy 5M/15M Go! Hand transmitter

Prerequisite: Awnings with BiConnect remote control and sensors require a BiEasy 1M, 5M or 15M Go!

Somfy io-homecontrol® radio technology

Product	Electronics	Somfy io-homecontrol controller	Remote receiver	Transmitter
Topas II	Topas II drive	• Somfy io remote-controlled motor integrated in the awning	Somfy io remote-controlled motor	• Situo 1 io Pure II/Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter • Smoove 1 io Pure Shine wall-mounted transmitter
Topas II LED	Topas II drive and LED design light bar for Topas II	• Somfy io remote-controlled motor integrated in the awning • Additional Somfy receiver for the LED design light bar for Topas II (with downstream power supply pack) integrated into the light bar • Dimmable LED	Somfy io remote-controlled motor and Lighting Receiver Variation io (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Topas II VarioShade Valance	Topas II and VarioShade Valance drive	• Somfy io remote-controlled motor as the main drive and as the VarioShade Valance drive integrated in the awning • No table retraction protection	Somfy io remote-controlled motors	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Topas II LED VarioShade Valance	Topas II and VarioShade Valance drive and LED design light bar for Topas II	• Somfy io remote-controlled motor as the main drive and as the VarioShade Valance drive integrated in the awning • Additional Somfy receiver for the LED spotlights • Dimmable LED • No table retraction protection	Somfy io remote-controlled motor and Lighting Receiver Variation io (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter
Accessories (optional)	Tempura/ Tempura Quadra heating	• Dimmable, additional receiver required • Accommodation of the receiver in the design bar provided for this purpose or the Tempura Quadra housing	Heating Receiver Variation io 1.5 kW STAS3/STAK3 (dimmable)	• Situo 5 io Pure II/Situo 5 Variation A/M io Pure II hand transmitter • Smoove 1 io Pure Shine wall-mounted transmitter

Somfy io-homecontrol® radio technology (emergency crank optional)



Front emergency crank
(std wall fix)



Rear emergency crank
(wall or top fix)

With the optionally available emergency crank drive, the Topas II can be extended and retracted with a crank in case of motor or power failure (only combined with Somfy io-homecontrol®).

Note:
After activation of the emergency crank the motor needs reminding where the original limits are set. It is very important that the awning is opened to the fully outward position and then completely closed. This ensures the original limit positions are not disrupted or confused.

Hard wired (connected to existing switch/control)

Product	Electronics	Hard wired control	Control
Topas II	Topas II drive	• Awning switch for the awning drive	e.g. double rocker switches (on-site)
Topas II LED	Topas II drive and LED design light bar for Topas II	• Awning switch for the awning drive • LED design light bar switch for Topas II • LED power supply pack integrated into the light bar • LED not dimmable	e.g. double rocker switches and suitable light switch (on-site)
Topas II VarioShade Valance	Topas II and VarioShade Valance drive	• Awning switch for the main drive • Awning switch for the VarioShade Valance drive • No table retraction protection	e.g. 2 double rocker switches (on-site)
Topas II LED VarioShade Valance	Topas II and VarioShade Valance drive and LED design light bar for Topas II	• Awning switch for the main drive • Awning switch for the VarioShade Valance drive • No table retraction protection • Switch for the LED spotlights • LED power supply pack integrated into the cassette • LED not dimmable	e.g. 2 double rocker switches and appropriate light switches (on-site)
Accessories (optional)	Tempura/ Tempura Quadra heating	• Not dimmable	Appropriate switch (on-site)

Note:
Please refer to the "Accessories" technical folder for further information regarding the topic of drive and control.

Individual options are subject to a surcharge. For prices, please refer to the current weinor awnings price list.

Manual gear drive (optional)



Wall installation



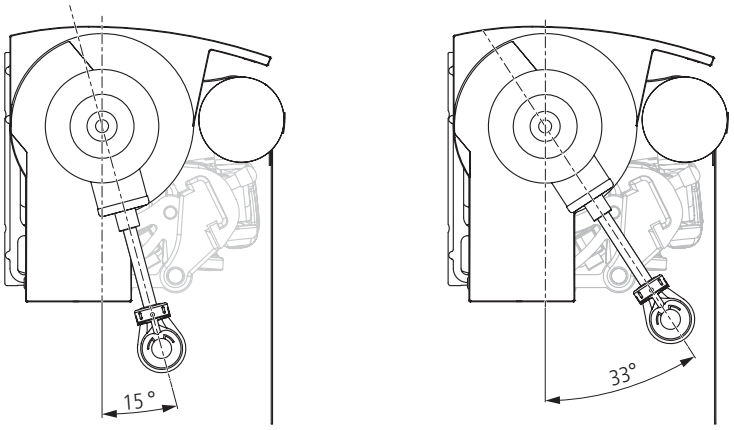
Ceiling/balcony installation

The Topas II can naturally also be ordered with a manual gear drive (only single-unit systems). This option is always recommended whenever electrical connection is hard to realise on-site or if the awning is not frequently used.

Properties:

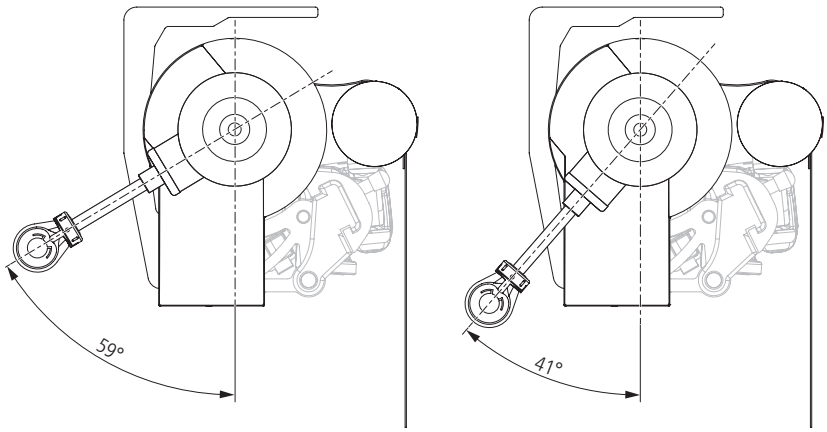
- The Topas II has a universal bevel gear system.
- End stop externally adjustable
- Tested according to DIN EN 14203
- Freewheel when extended

Standard crank outlet for wall installation

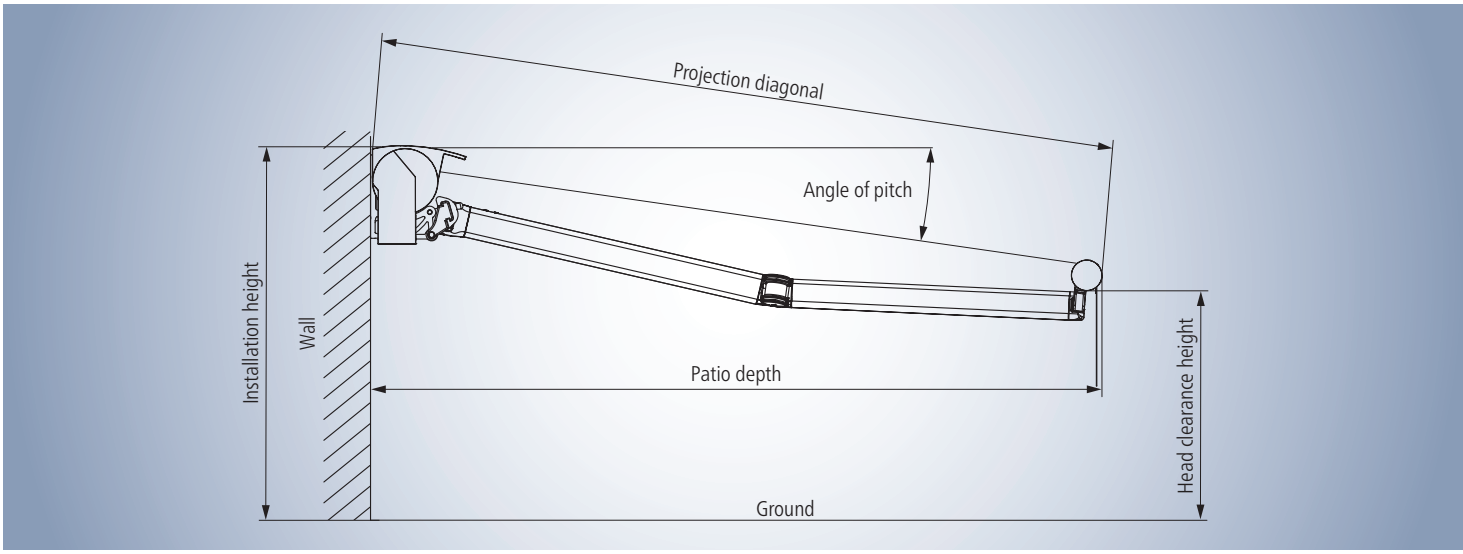


Crank gear installation options based on the awning's type of installation

Crank outlet for ceiling/balcony installation



Topas II Planning



Site measuring – determining the projection and head clearance height

- Find the projection for the patio depth in the "Projection" table.
- Read the head clearance height from the “Head clearance height” table with the determined projection and the desired angle of pitch,
  head clearance height is valid for an installation height of 300 cm
- Add/subtract the difference between 300 cm and
  the actual installation height to/from the head clearance height in the table.

Reduced head clearance height (approx. -15 cm) for the metal valance and MiniMax options

Determining the projection diagonal

Angle of pitch	Patio depth in cm					
	150	200	250	300	350	400
5°	150	200	250	300	350	400
15°	160	210	260	310	360	–
25°	170	220	280	330	390	–

Projection diagonal in cm (rounded approximate figures)

This table can be used to find the awning projection diagonal for any given horizontal patio depth.

Determining the head clearance height

Angle of pitch	Projection in cm					
	150	200	250	300	350	400
5°	270	270	270	260	260	250
15°	250	240	220	210	200	180
25°	220	200	180	160	140	120

Head clearance height in cm (rounded approximate figures)

This table can be used to determine the head clearance heights for different projections at the angles of pitch 5°, 15° and 25°.
This table is based on the example of an installation height of 300 cm (upper edge of awning).

Wall installation

Sizes and bracket recommendations



Wall mounting on pressure-resistant surface
Minimum number of required wall brackets to guarantee the function of the awning, independent of the installation surface. Selection of the brackets using the weinor bracket overview and based on the maximum extraction forces of the fastening mechanisms applied!

System without VarioShade Valance:

Width in cm	Number of arms	Diagonal projection in 10 cm steps					
		up to 150	160-200	210-250	260-300	310-350	360-400
up to 200	2	2					
201-250	2	2	2				
251-300	2	2	2	2			
301-350	2	2	2	2	2		
351-400	2	2	2	2	2	2	
401-450	2	3	3	3	3	2+1	2+1
451-500	2	3	3	3	3	5	2+1
501-550	2	3	3	3	5	5	5
551-600	2	3	3	3	5	5	5
601-650	2	3	3	3	5	5	5
651-700	2-3	3	3	3	5	7	7

Overlapping possible, observe size limits!

System with VarioShade Valance:

Width in cm	Number of arms	Diagonal projection in 10 cm steps				
		up to 150	160-200	210-250	260-300	310-350
up to 200	2	2				
201-250	2	2	2			
251-300	2	2	2	2		
301-350	2	2	2	2	2	
351-400	2	2	2	4	4	2
401-450	2	3	3	5	5	2+1
451-500	2	3	3	5	5	5
501-550	2	3	5	5	5	5
551-600	2	3	5	5	5	

Overlapping possible, observe size limits!

MiniMax system::

Width in cm	Number of arms	Diagonal projection in 10 cm steps				
		160-200	210-250	260-300	310-350	360-400
200-250	2	2	2	2	4	5
251-300	2		2	2	4	5
301-350	2			2	4	5
351-400	2				4	5
401-450	2					5

Overlapping possible, observe size limits!

2 — 2 wall brackets 85 mm
2 — 2 wall brackets 260 mm
3 — 3 wall brackets 85 mm (1 as a centre bracket)
4 — 4 wall brackets 85 mm alternatively: 2 wall brackets 295 mm
5 — 5 wall brackets 85 mm (1 x as centre bracket) alternative: 2 wall brackets 295 mm + 1 wall bracket 85 mm (as a centre bracket)
2+1 — 2 wall brackets 260 mm + 1 wall bracket 85 mm (1 as a centre bracket)
7 — 7 wall brackets 85 mm (1 as a centre bracket)

Two brackets per arm necessary:
a. Projection ≥ 310 cm
b. Width ≥ 501 cm and projection ≥ 260 cm

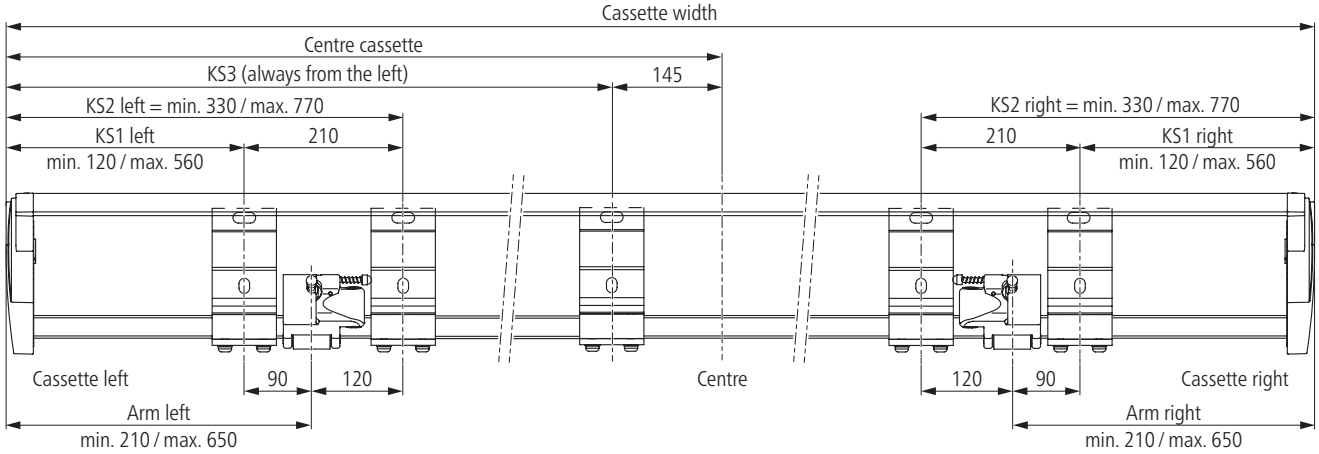
Centre bracket use dependent on the width/projection:
a. Width ≥ 401 cm
a. Projection ≥ 360 cm

Standard system:
Observe size limits; the system must be X wider than its projection:
– for 1 wall bracket 85 mm or 1 wall bracket 260 mm per arm: X = 40 cm
– for 2 wall brackets 85 mm or 1 wall bracket 295 mm per arm: X = 62 cm
– with 2 wall brackets 260 mm per arm: X = 95 cm

MiniMax system:
Observe starting width limits; system width must be projection less 50 cm
Observe size limits; the width must be X wider than the **projection *0.5**:
– for 2 x wall brackets 85 mm or 1 x wall bracket 295 mm per arm: X = 33 cm
– for 2 x wall bracket 260 mm per arm: X = 51 cm

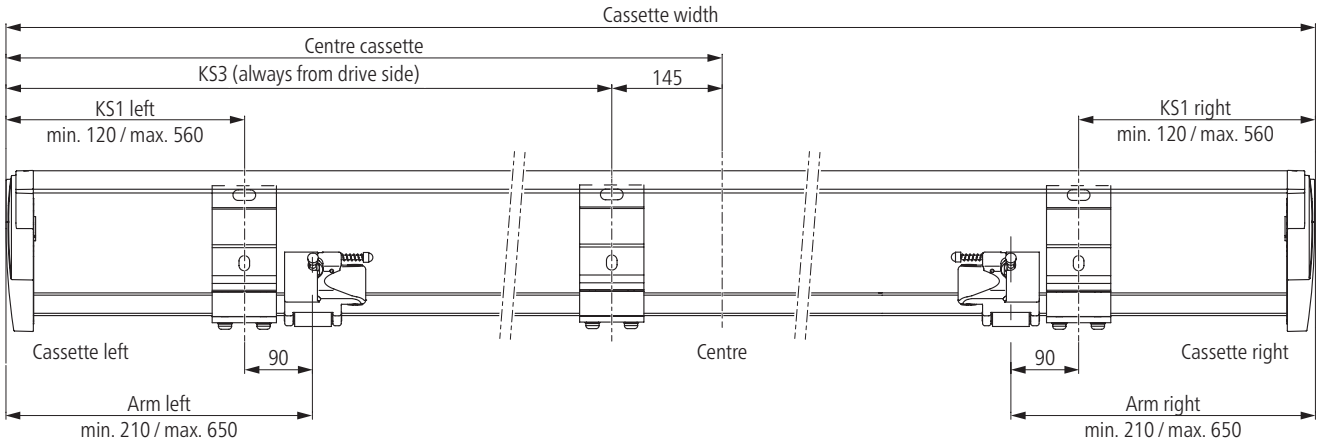
Position/placing of wall brackets and Topas II

85/295 mm wall bracket on both sides (KS1 and KS2)



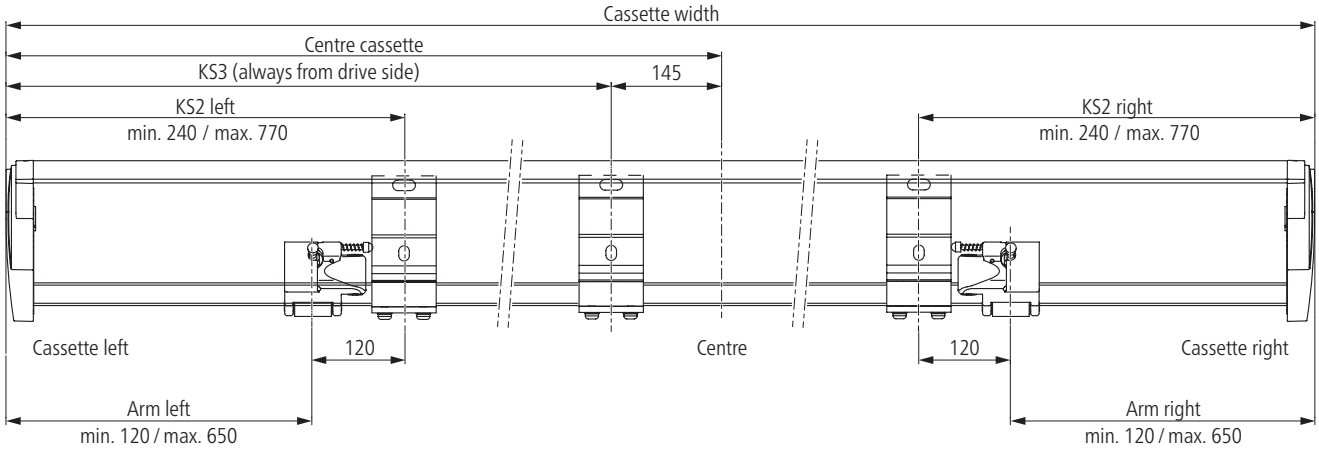
Fixed dimensions Topas II MiniMax KS1 left/right: 120 mm, arm left/right: 210 mm, KS2 left/right: 330 mm, KS3: centre of system

External 85 mm wall bracket (KS1)



Fixed dimensions Topas II MiniMax KS1 left/right: 120 mm, arm left/right: 210 mm KS3: centre of system

Internal 85 mm wall bracket (KS2)

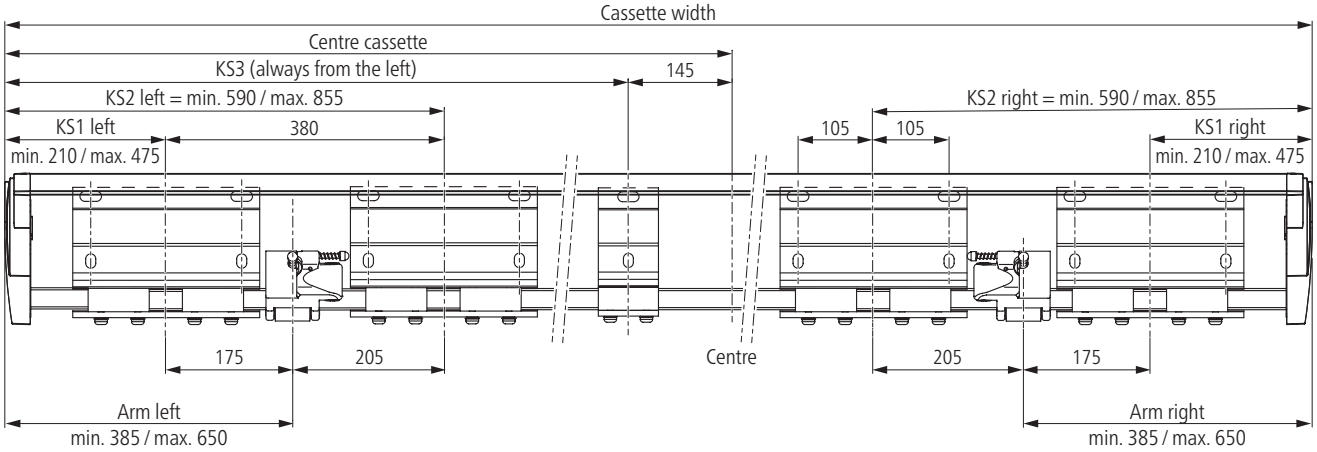


Fixed dimensions Topas II MiniMax Arm left/right: 120 mm, KS2 left/right: 240 mm, KS3: Centre of system

Comments:
KS1 = external bracket KS2 = internal bracket KS3 = centre bracket

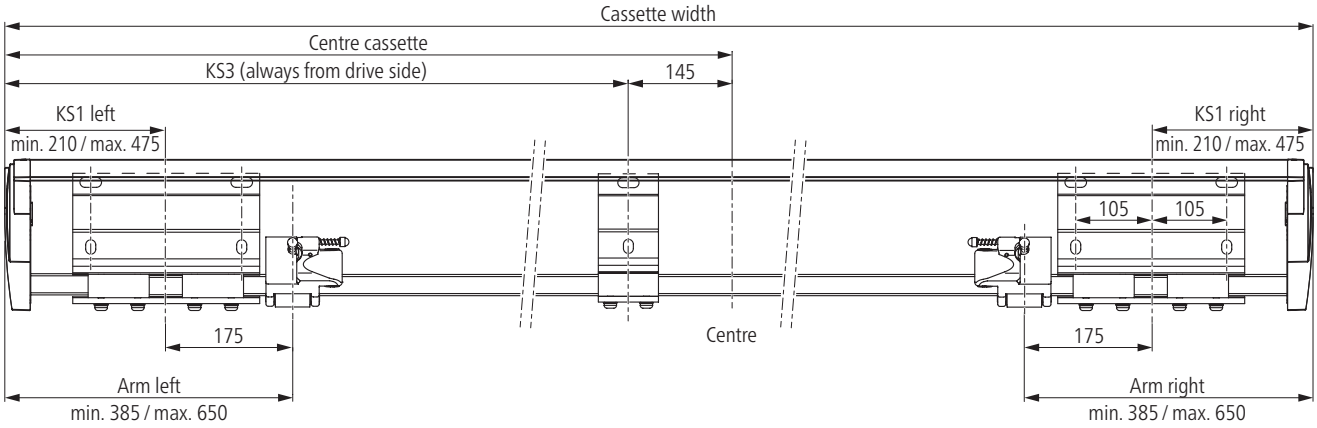
Position/placing of wall brackets and Topas II

260 mm wall bracket on both sides (KS1 and KS2)



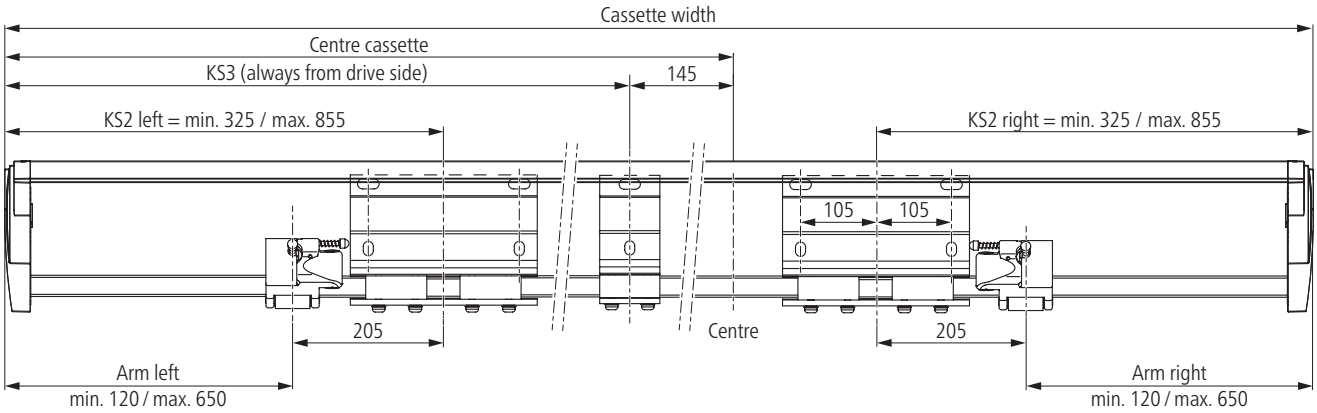
Fixed dimensions Topas II MiniMax KS1 left/right: 210 mm, arm left/right: 385 mm, KS2 left/right: 590 mm, KS3: centre of system

External 260 mm wall bracket (KS1)



Fixed dimensions Topas II MiniMax KS1 left/right: 210 mm, arm left/right: 385 mm, KS3: centre of system

Internal 260 mm wall bracket (KS2)

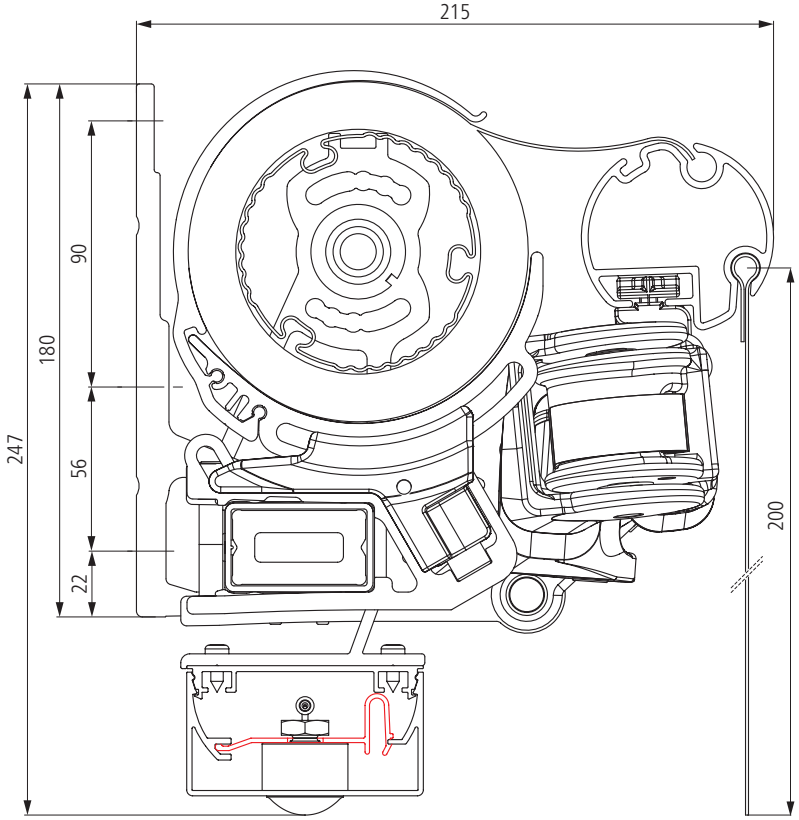


Fixed dimensions Topas II MiniMax KS2 left/right: 325 mm, KS3: centre of system

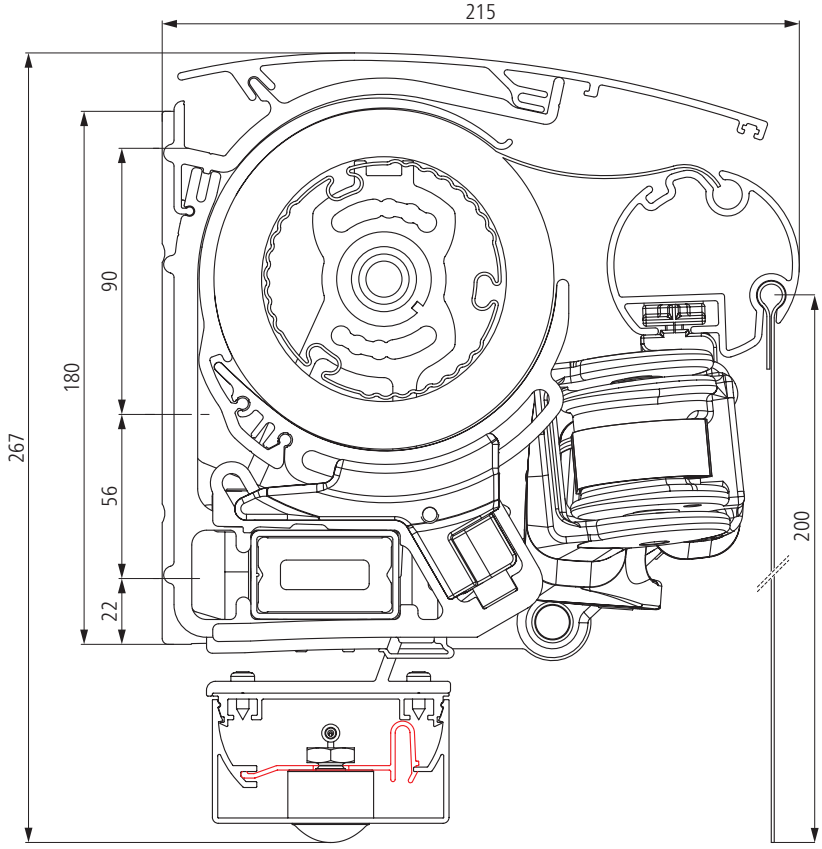
Comments:
KS1 = external bracket KS2 = internal bracket KS3 = centre bracket

Cross-sections

LED design light bar for Topas II (without a roof)



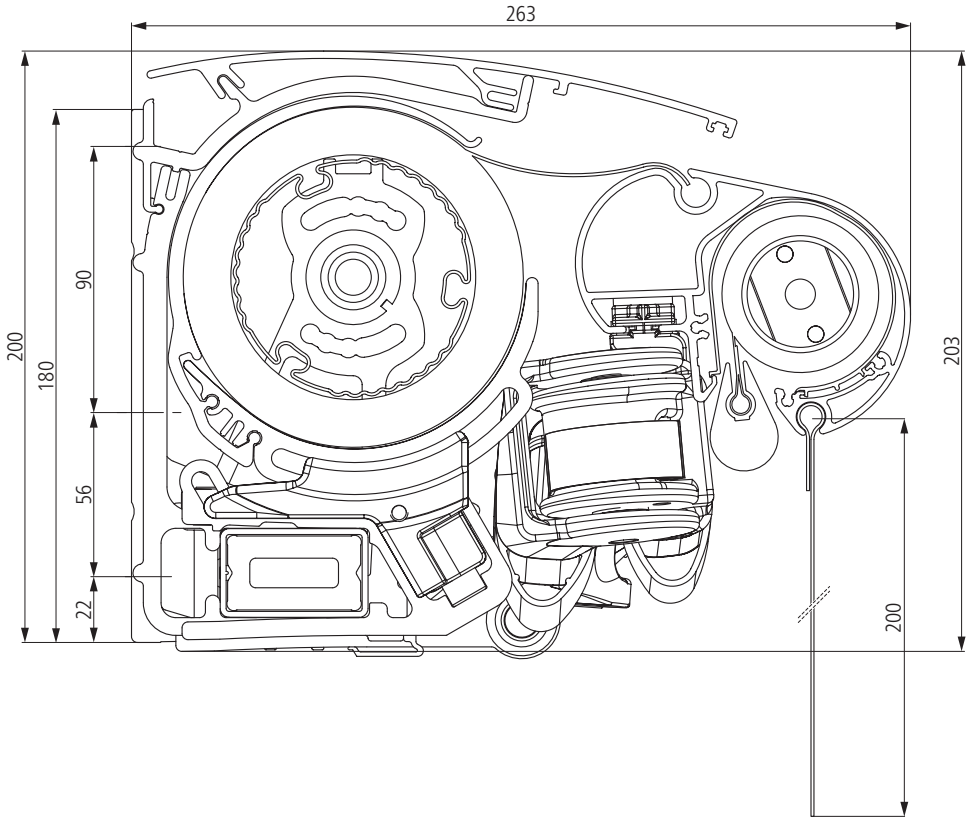
LED design light bar for Topas II (with a roof)



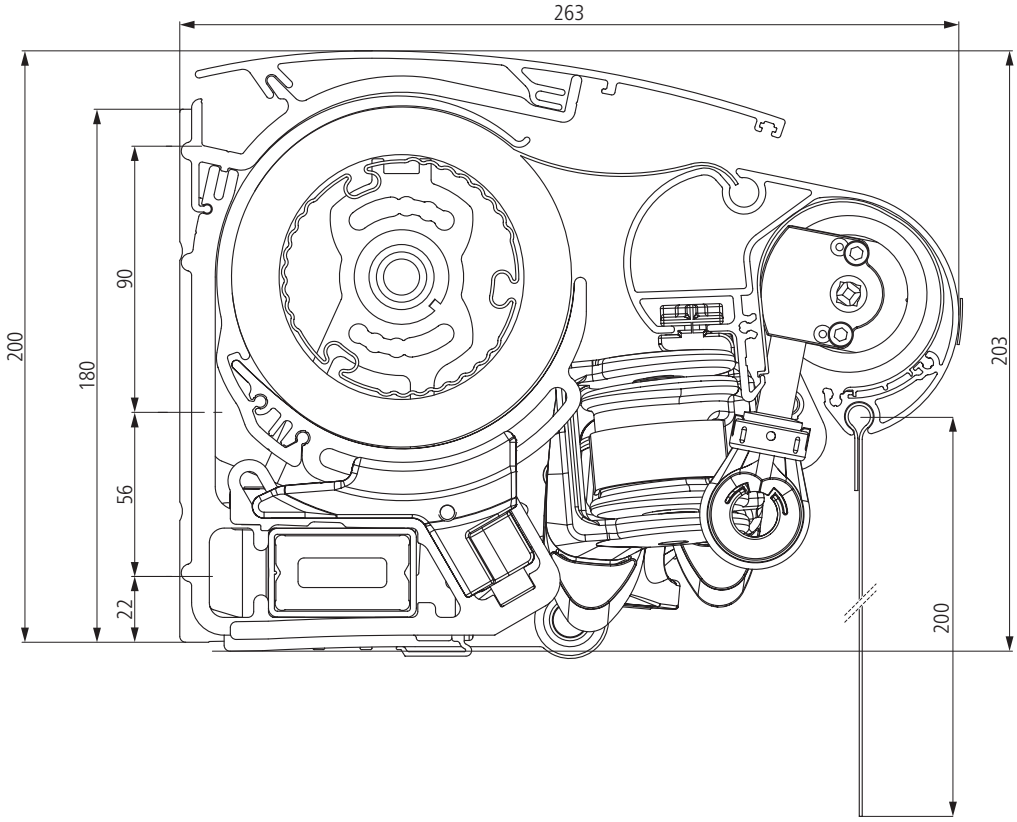
Figures are in mm

Cross-sections

Topas II with a roof and VarioShade Valance motor

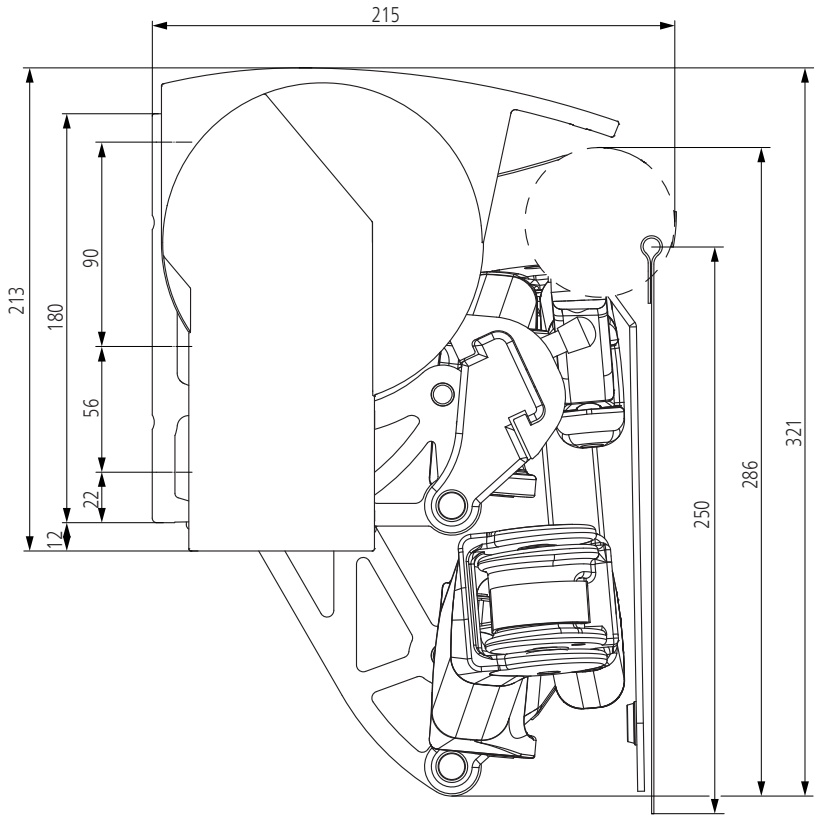


Topas II with a roof and VarioShade Valance crank drive

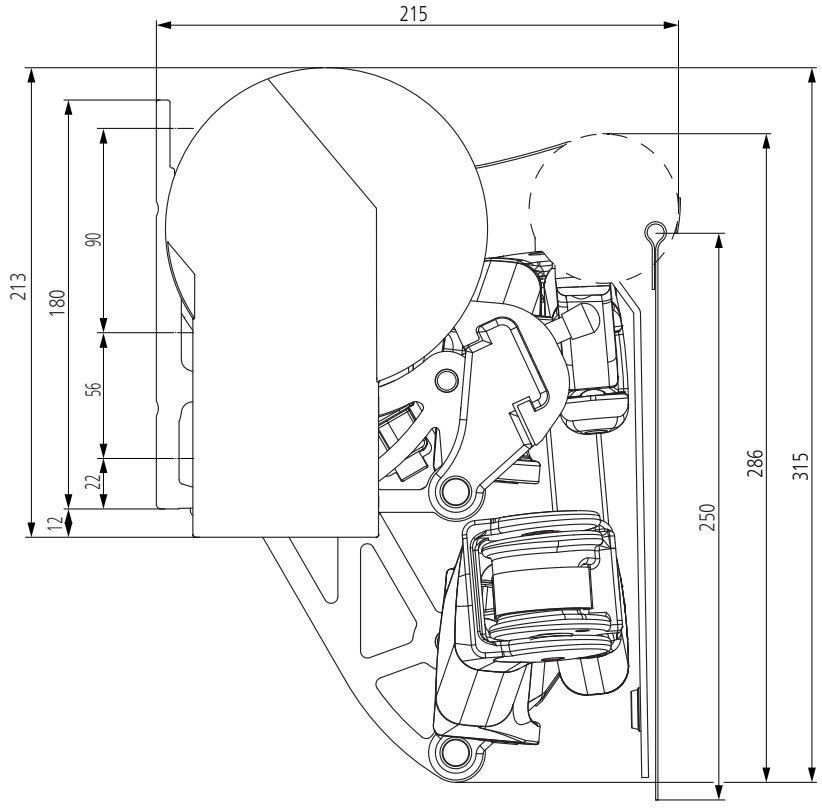


Side view

Topas II MiniMax with a roof



Topas II MiniMax without a roof

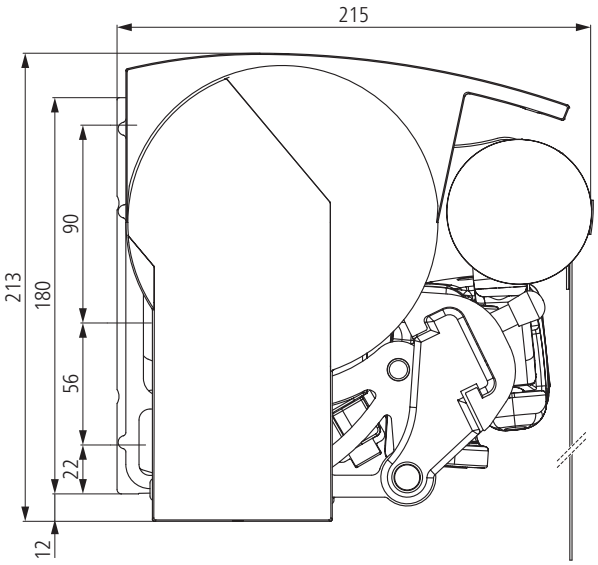


Topas II Installation

Wall mounting – brackets

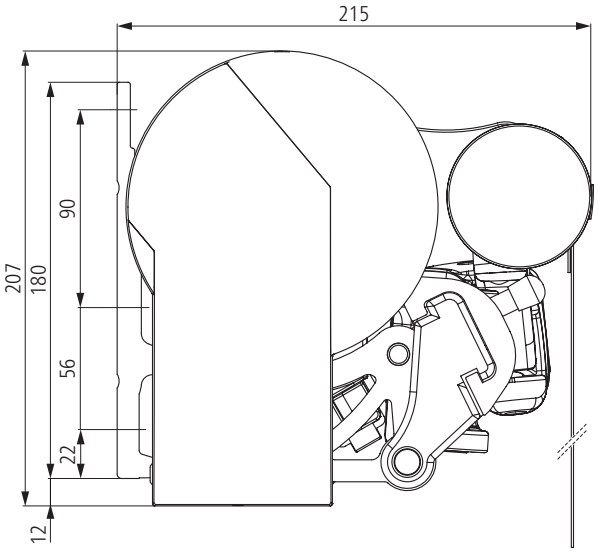


Wall bracket (Topas II with a roof)





Wall bracket (Topas II without a roof)

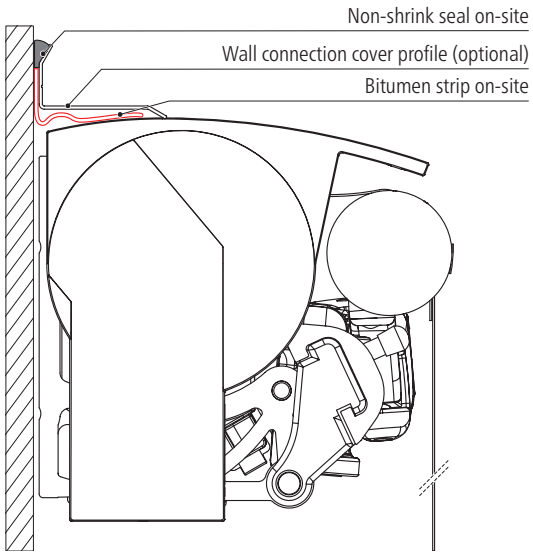


Wall connection with a top profile (optional)



Topas II with a roof and a top profile

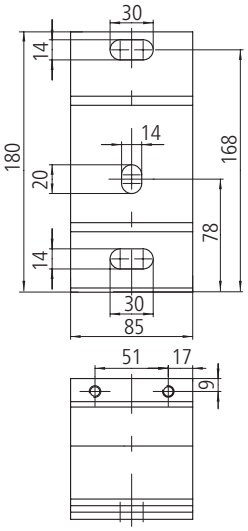
Wall connection with top profile (cross-section)

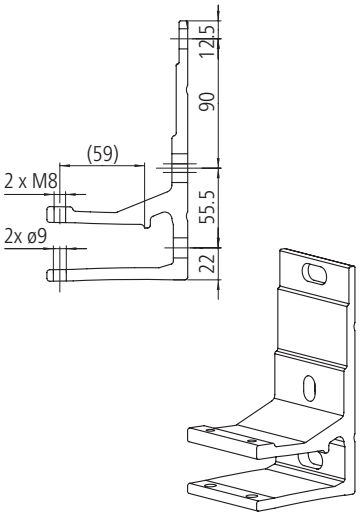


Wall mounting – brackets



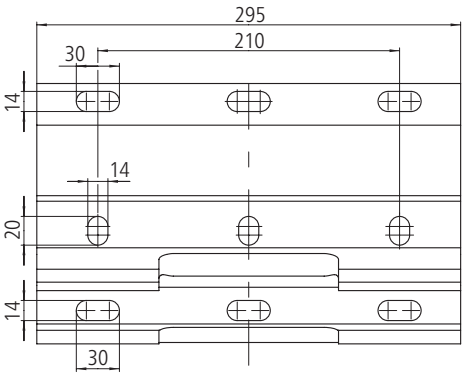
85 mm wall bracket

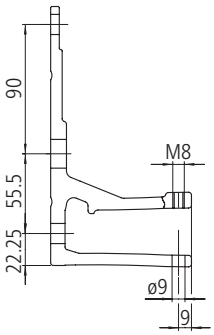


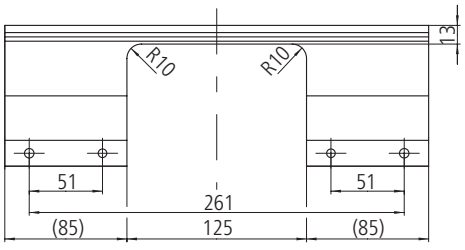


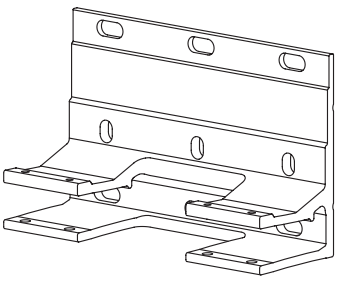


295 mm wall bracket (arm encapsulating)





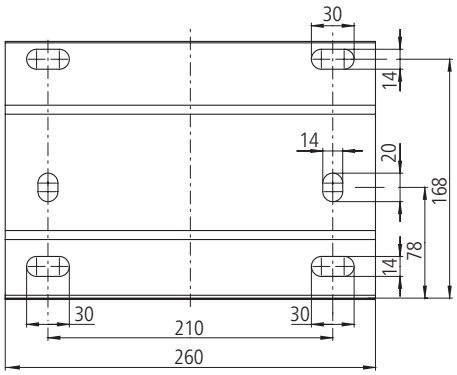


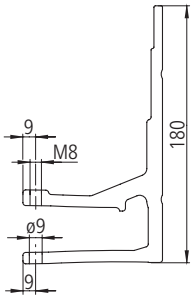


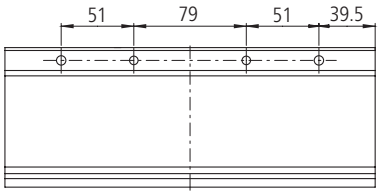
Wall mounting – brackets

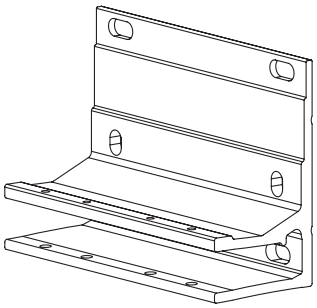


Wall bracket 260 mm



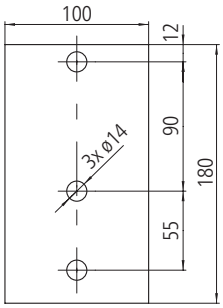


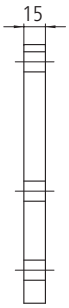


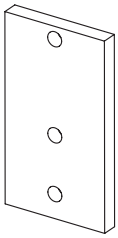




Base plate (100 x 180 x 15 mm)

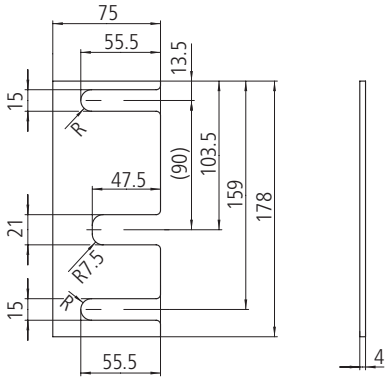


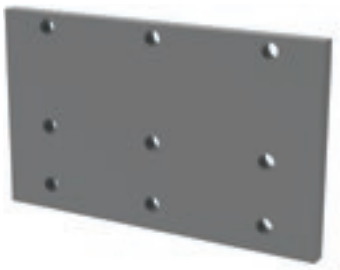




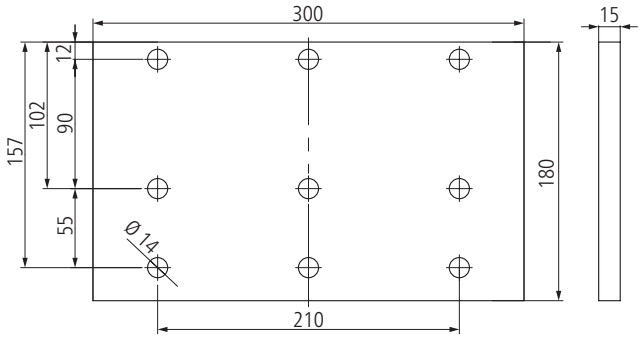


Base plate (75 x 178 x 4 mm)





Base plate (300 x 180 x 15 mm)



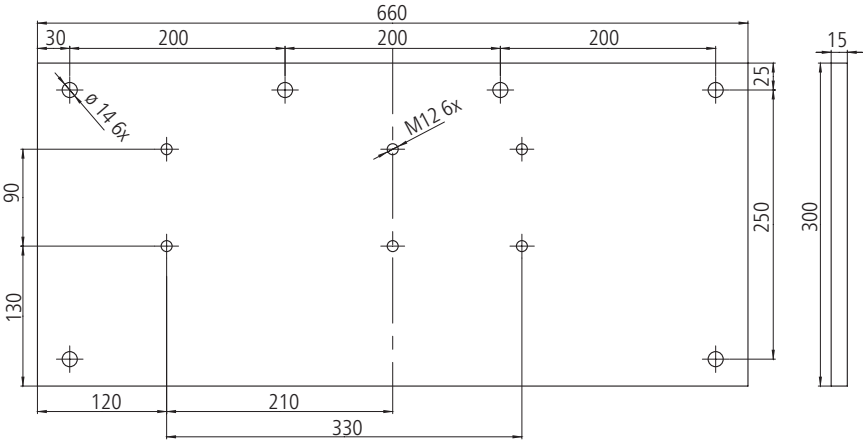
Wall installation – installation plates



Installation plate 660 x 300 x 15 mm*



Position of the installation plates taking Topas II 500 x 300 cm** as an example

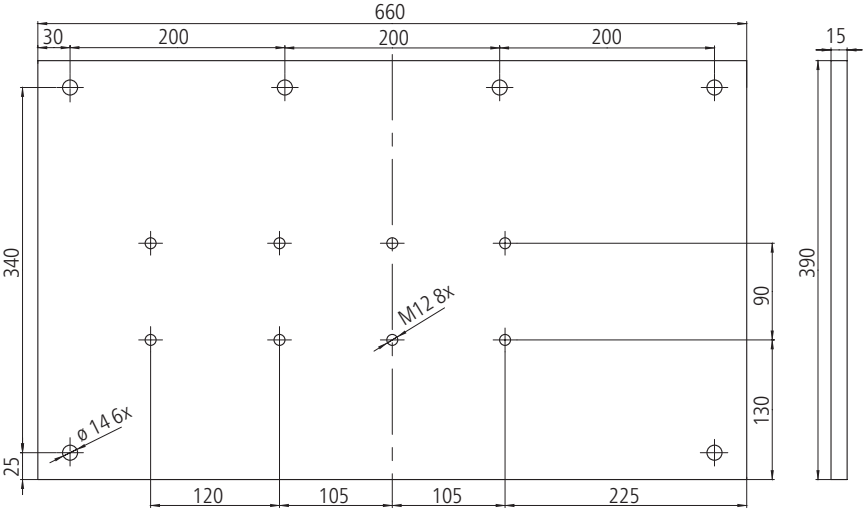




Installation plate 660 x 390 x 15 mm*

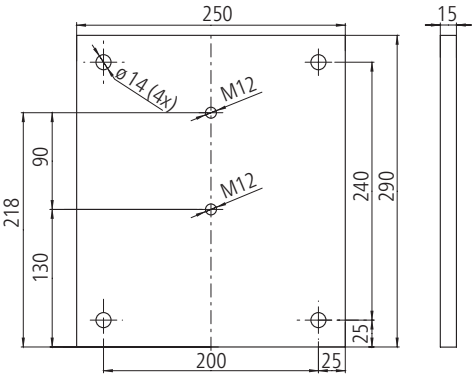


Position of the installation plates taking Topas II 500 x 300 cm** as an example





Installation plate 250 x 290 x 15 mm



* Installation plate also possible with two 85 mm wall brackets.
** Depending on the awning width, the positioning of the installation plates may vary.

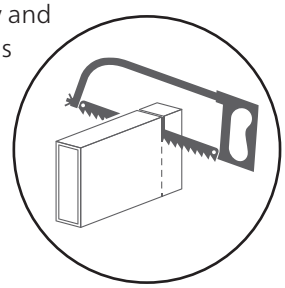
Installation with stand off brackets (special attachment)



Topas II with a stand off bracket,
e.g. installation in front of a pipe

50 to 300 mm gaps can be bridged using the stand off bracket.

The stand off bracket can be cut to size on site if required. But for a more durable quality and better appearance weinor recommends ordering the bracket to the required dimensions, as it will be fully powder coated leaving no raw edges.

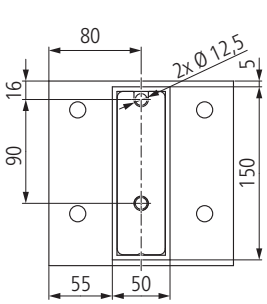


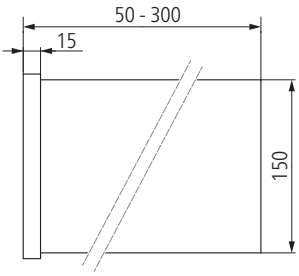


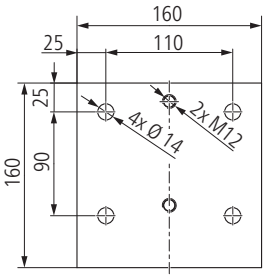
Stand off bracket for
85 mm wall bracket



Stand off bracket with a
85 mm wall bracket









Stand off bracket for
- two wall brackets 85 mm
- one wall bracket 260 mm / 295 mm



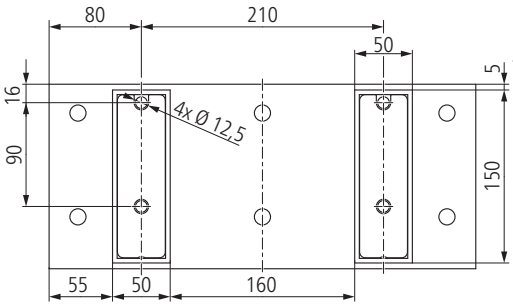
Stand off bracket with two wall brackets 85 mm

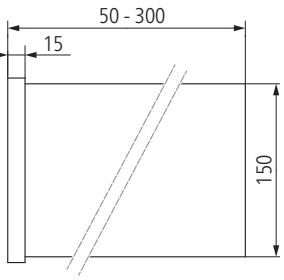


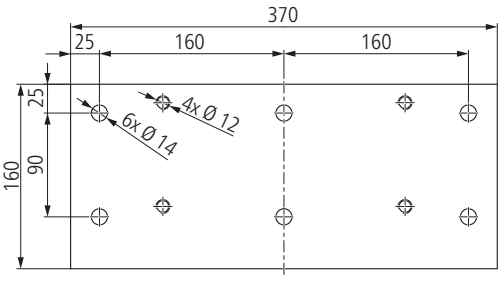
Stand off bracket with wall bracket 295 mm



Stand off bracket with wall bracket 260 mm

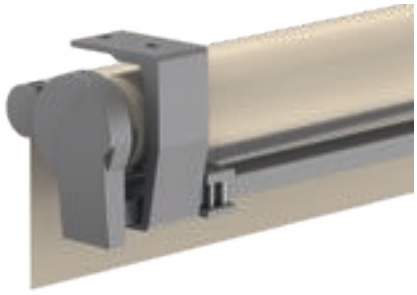






Ceiling installation

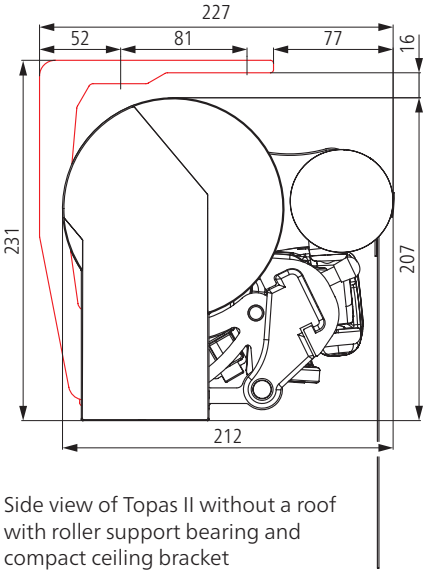
Topas II without a roof



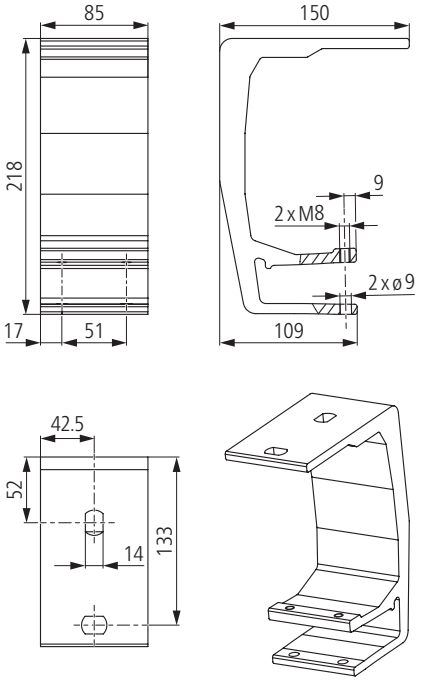
Compact ceiling bracket
(Topas II without a roof)



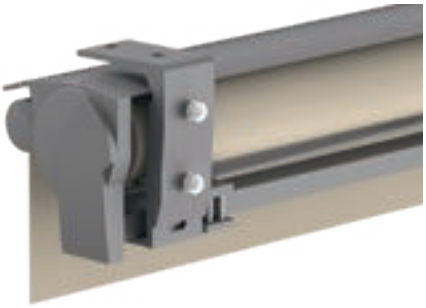
Compact ceiling bracket



Side view of Topas II without a roof
with roller support bearing and
compact ceiling bracket



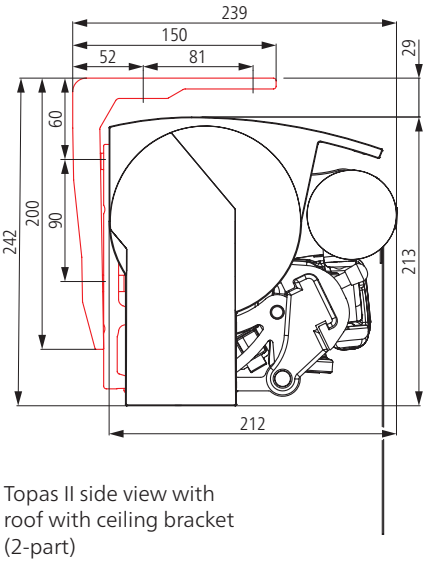
Topas II with a roof



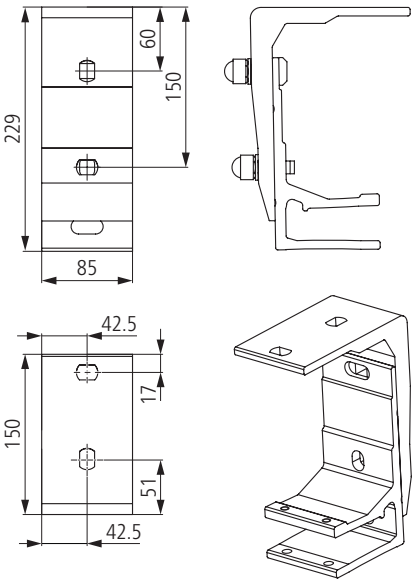
Ceiling bracket (2-part)
(Topas II with a roof)



Ceiling bracket (2-part)



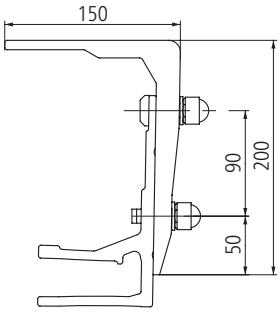
Topas II side view with
roof with ceiling bracket
(2-part)

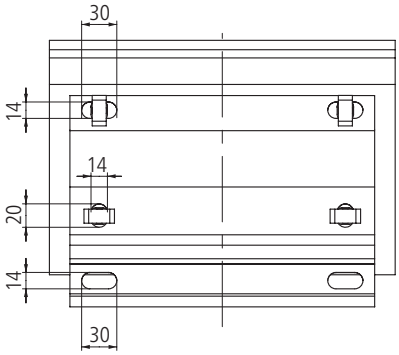


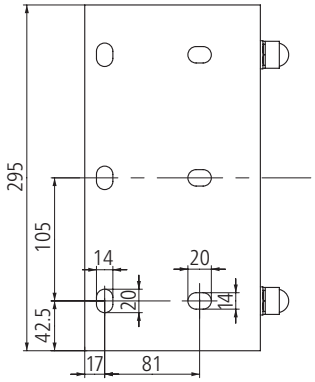
Ceiling installation

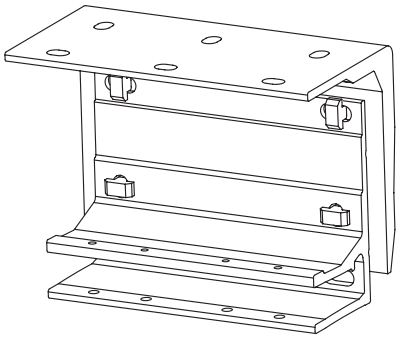


Ceiling bracket 295 mm with wall bracket 260 mm



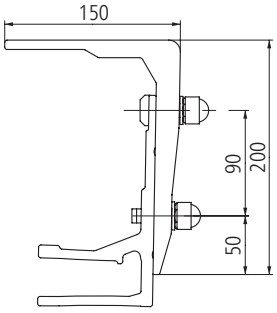


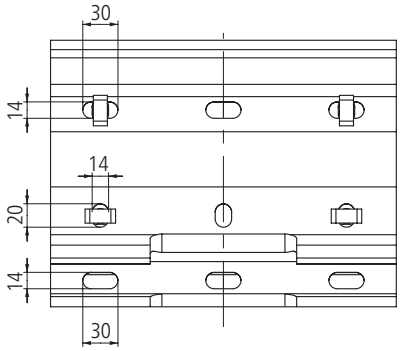


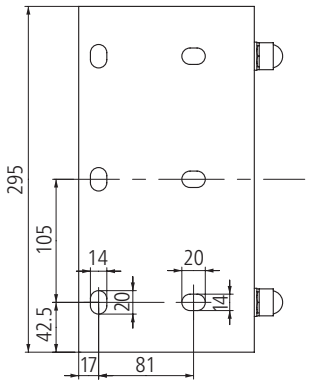


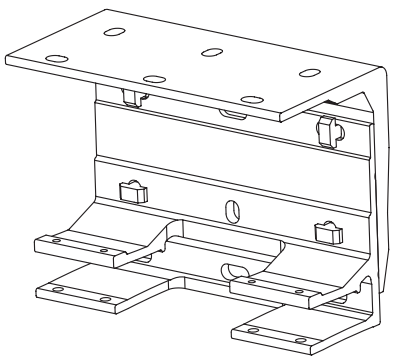


Ceiling bracket 295 mm with wall bracket 295 mm (cannot be used for three-arm constructions!)

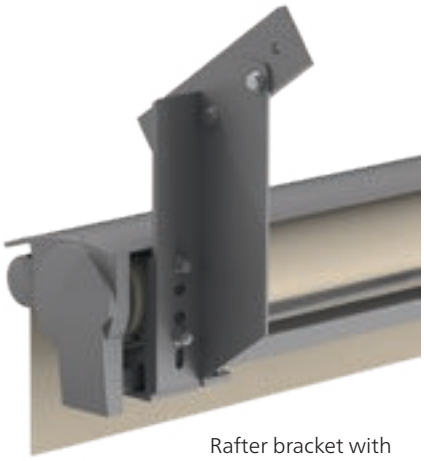




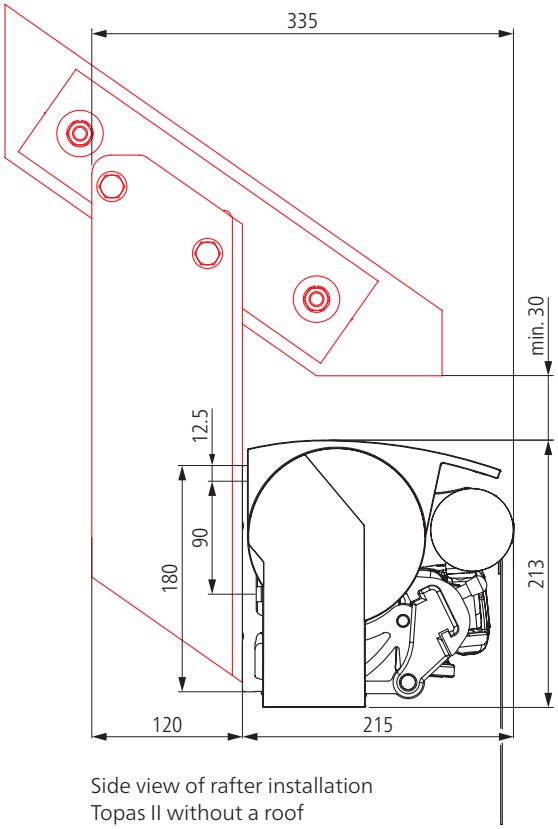




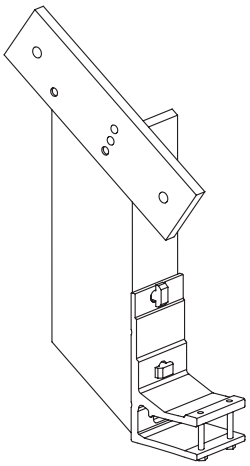
Rafter installation



Rafter bracket with installation plate



Side view of rafter installation Topas II without a roof



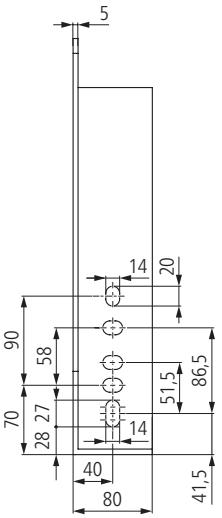
Rafter bracket with installation plate weinor recommends using the installation plate for rafter brackets.

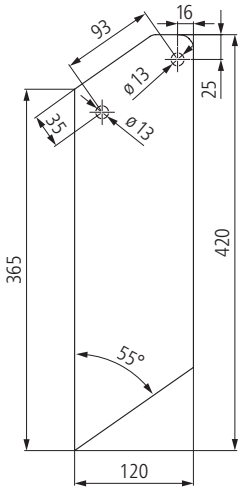


Rafter bracket and wall bracket, without installation plate

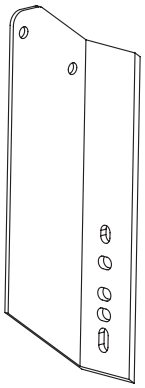


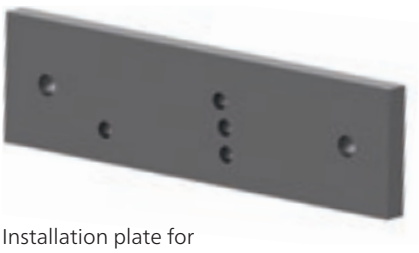
Rafter bracket (right)



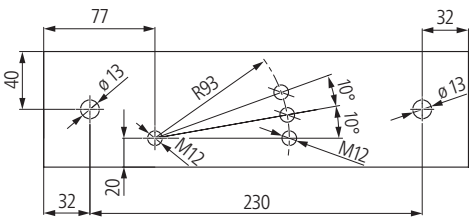


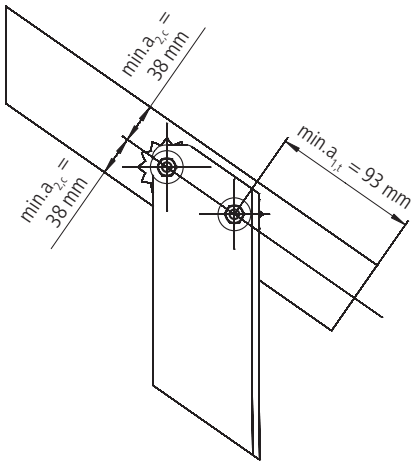
Rafter bracket without installation plate





Installation plate for 294 x 80 x 15 mm rafter bracket





Extraction forces

The extraction force is the force with which the awning weight and the wind load pull on each upper and/or front fixing. The tables indicate this force in N per upper fixing. It varies depending on the awning size and the wall bracket / mounting plate used.

Selecting the wall bracket and anchoring system:

1. Consult relevant table for extraction force per fixing for selected awning size.

2. Select a wall bracket / mounting plate for which there is fixing material which can resist the indicated extraction force. Remember to take into account the spacing, the area which will be damaged if the fixing breaks out, the type of fixing material used and the mounting base.

Use the separate bracket overview for an exact planning of the awning attachment.

Extraction force in N per upper fixing for wall mounting

Brackets **without** mounting plates

Wall mounting with up to 200 mm facing (non-pressure-resistant surface)

Please observe the width to projection dimension limits for number of brackets per arm, as the width to projection ratio decreases when two brackets are used per arm. The extraction forces for the version "with VarioShade Valance" can be found in the bracket overview!

1 x wall bracket 85 mm per arm
or
2 x wall bracket 85 mm per arm
Number of fixings: 4 or 8

1 x wall bracket 260 mm per arm
or
2 x wall bracket 260 mm per arm
Number of fixings: 8 or 16

1 x wall bracket 295 mm per arm
Number of fixings: 12

Please note:
from a width of 401 cm or a projection of 360 cm additional
1 x wall bracket 85 mm as centre bracket is required.
This means an additional 2 fixings will be required always.

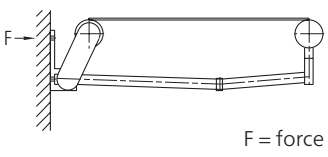
Taking the width to projection dimension limits into account, two brackets can also be used per arm instead of one bracket per arm.
Here, the indicated extraction force halves!
Does not apply to red-bordered cells and 295 mm wall bracket!

In the event of installation on a pressure resistant surface, the indicated extraction force decreases (see bracket overview)

Width in cm	Projection in cm					
	150	200	250	300	350	400
200	730	1110	1591	2212	1417	2027
	365	555	796	1106	708	1013
	243	370	530	737	944	1351
250	861	1309	1872	2588	1659	2383
	431	655	936	1294	829	1192
	287	436	624	863	1106	1589
300	992	1509	2153	2964	1901	2739
	496	754	1077	1482	951	1370
	331	503	718	988	1268	1826
350	1123	1708	2434	3341	2144	3096
	562	854	1217	1670	1072	1548
	374	569	811	1114	1429	2064
400	1254	1907	2716	3717	2386	3452
	627	954	1358	1858	1193	1726
	418	636	905	1239	1591	2301
450	1385	2107	2997	4093	2628	3808
	693	1053	1498	2047	1314	1904
	462	702	999	1364	1752	2539
500	1516	2306	3278	4469	3270	4164
	758	1153	1639	2235	1635	2082
	505	769	1093	1490	2180	2776
550	1647	2505	3559	2423	3553	4520
	823	1253	1779	1211	1777	2260
	549	835	1186	1615	2369	3014
600	1778	2705	3840	2970	3837	4877
	889	1352	1920	1485	1918	2438
	593	902	1280	1980	2558	3251
650	1909	2904	4121	3189	4120	5233
	954	1452	2061	1595	2060	2616
	636	968	1374	2126	2747	3489
700	2040	3103	5000	3408	3099	3951
	1020	1552	2500	1704	1550	1975
	680	1034	1667	2272		

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Extraction forces

Extraction force in N per upper fixing for wall mounting
Brackets **with** mounting plates
Wall mounting with up to 200 mm facing (non-pressure-resistant surface)
Please observe the width to projection dimension limits for number of brackets per arm, as the width to projection ratio decreases when two brackets are used per arm. The extraction forces for the version "with VarioShade Valance" can be found in the bracket overview!

1 x mounting plate 250 x 290 x 15 mm
incl. 1 x wall bracket 85 mm per arm
Number of fixings: 8

1 x mounting plate 450 x 200 x 30 mm
incl. 1 x wall bracket 85 mm per arm or
1 x mounting plate 450 x 200 x 30 mm
incl. 2 x wall bracket 85 mm per arm
Number of fixings: 12

1 x mounting plate 640 x 200 x 30 mm
incl. 1 x wall bracket 85 mm per arm or
1 x mounting plate 640 x 200 x 30 mm
incl. 2 x wall bracket 85 mm per arm
Number of fixings: 24

1 x mounting plate 660 x 300 x 15 mm
incl. 1 x wall bracket 85 mm per arm or
1 x mounting plate 660 x 300 x 15 mm
incl. 2 x wall bracket 85 mm per arm
Number of fixings: 12

1 x mounting plate 660 x 390 x 15 mm
incl. 1 x wall bracket 85 mm per arm or
1 x mounting plate 660 x 390 x 15 mm
incl. 2 x wall bracket 85 mm per arm
Number of fixings: 12

Please note:
from a width of 401 cm or a projection of 360 cm additional
– for mounting plates with a thickness of **15 mm**
1 x wall bracket 85 mm incl.
1 x shim plate 100 x 180 x 15 mm
as central bracket required.
– for mounting plates with a thickness of **30 mm** 1 x wall bracket 85 mm incl.
2 x shim plate 100 x 180 x 15 mm
as central bracket required.
This means an additional 2 fixings will be required always.

Taking the width to projection dimension limits into account, two brackets can also be used per arm instead of one bracket per arm. **This has no impact on the extraction force! Does not apply to 250 x 290 x 15 mm mounting plate!**
In the case of red-bordered cells, the bracket sub-assemblies are equipped with two brackets per arm.

In the event of installation on a pressure-resistant surface, the specified extraction force is reduced (see bracket overview)

Width in cm	Projection in cm					
	150	200	250	300	350	400
200	224	339	485	673		
	242	365	522	724	926	1323
	121	183	261	362	463	661
	107	163	233	323	414	592
	79	120	171	238	304	435
250	264	400	571	788		
	285	431	614	847	1084	1555
	142	215	307	424	542	778
	127	192	274	378	484	695
	93	141	201	278	356	511
300	304	461	656	902		
	328	496	706	970	1242	1787
	164	248	353	485	621	894
	146	221	315	433	555	799
	107	163	232	319	408	588
350	344	521	742	1017		
	371	562	798	1093	1400	2020
	186	281	399	547	700	1010
	165	250	356	488	626	903
	121	184	262	359	460	664
400	384	582	828	1131		
	415	627	891	1216	1559	2252
	207	314	445	608	779	1126
	184	279	397	543	697	1007
	135	205	292	399	512	741
450	424	643	913	1246		
	458	693	983	1339	1717	2484
	229	347	491	670	858	1242
	203	309	438	598	767	1111
	150	227	322	440	564	817
500	464	704	999	1360		
	501	759	1075	1462	2136	2717
	251	379	537	731	1068	1358
	223	338	479	653	955	1215
	164	248	353	480	702	893
550	504	765	1085	1475		
	544	824	1167	1585	2321	2949
	272	412	584	793	1161	1475
	242	367	521	708	1038	1319
	178	270	383	521	763	970
600	544	826	1170			
	588	890	1259	1944	2507	3182
	294	445	630	972	1253	1591
	261	396	562	868	1120	1423
	192	291	413	638	824	1046
650	584	886	1256			
	631	955	1351	2087	2692	3414
	315	478	676	1044	1346	1707
	280	425	603	932	1203	1527
	206	313	443	685	885	1123
700	624	947	1524			
	674	1021	1640	2230		
	337	510	820	1115		
	300	455	731	996	905	1153
	220	334	538	732	665	848

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Extraction forces

Extraction force in N per front fixing for ceiling mounting

Please observe the width to projection dimension limits for number of brackets per arm, as the width to projection ratio decreases when two brackets are used per arm The extraction forces for the version "with VarioShade Valance" can be found in the bracket overview!

1 x ceiling bracket 85 mm incl.
1 x wall bracket 85 mm per arm
or
2 x ceiling bracket 85 mm incl.
2 x wall bracket 85 mm per arm
Number of fixings:
4 or 8

1 x ceiling bracket 295 mm incl.
1 x wall bracket 260 mm per arm
or
2 x ceiling bracket 295 mm incl.
2 x wall bracket 260 mm per arm
Number of fixings:
12 or 24

1 x ceiling bracket 295 mm incl.
1 x wall bracket 295 mm per arm
Number of fixings: 12

Please note:
from a width of 401 cm or a projection of 360 cm additional
1 x ceiling bracket 85 mm incl.
1 x wall bracket 85 mm
as central bracket required.
This means an additional 2 fixings will be required always.

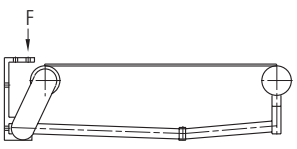
Taking the width to projection dimension limits into account, two brackets can also be used per arm instead of one bracket per arm.
Here, the indicated extraction force halves!
Does not apply to red-bordered cells and combination of wall bracket 295 mm with ceiling bracket 295 mm!

The values of the "ceiling bracket compact" are equivalent to the values of the combination ceiling bracket 85 mm with wall bracket 85 mm.

Width in cm	Projection in cm					
	150	200	250	300	350	400
200	881	1313	1864	2579	1653	2339
	301	445	629	867	558	790
	301	445	629	867	1106	1565
250	1033	1543	2187	3010	1931	2745
	352	522	737	1011	651	925
	351	521	736	1010	1291	1837
300	1185	1772	2510	3442	2209	3152
	403	598	844	1155	744	1061
	402	598	844	1154	1476	2108
350	1338	2002	2833	3873	2487	3558
	453	675	952	1299	836	1197
	453	674	951	1298	1662	2379
400	1490	2232	3155	4305	2765	3964
	504	751	1059	1442	929	1332
	504	751	1059	1442	1847	2650
450	1591	2408	3423	4678	3025	4370
	547	820	1159	1578	1019	1468
	547	820	1158	1577	2024	2921
500	1739	2634	3741	5105	3746	4777
	598	896	1266	1721	1260	1604
	597	896	1265	1721	2505	3192
550	1890	2862	4063	2786	4071	5185
	649	973	1374	940	1369	1740
	649	973	1374	1865	2722	3465
600	2039	3088	4382	3398	4393	5591
	699	1049	1481	1144	1476	1876
	699	1049	1481	2273	2937	3736
650	2187	3314	4700	3646	4716	5998
	749	1125	1588	1227	1584	2012
	749	1125	1588	2439	3152	4007
700	2335	3539	5671	3894	3556	4538
	800	1201	1912	1311	1196	1523
	799	1201	1912	2605		

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F = force

Shear forces

Shear forces in N per fixing for rafter mounting

Please observe the width to projection dimension limits for number of brackets per arm, as the width to projection ratio decreases when two brackets are used per arm. The extraction forces for the version "with VarioShade Valance" can be found in the bracket overview!

Rafter brackets are available as both left and right handed

- 1x rafter bracket incl.
  1 x wall bracket 85 mm per arm or
  2 x rafter bracket incl.
  2 x wall bracket 85 mm per arm
  Applies to two brackets per arm on a rafter.
  or
  2 x rafter bracket incl.
  2 x wall bracket 85 mm per arm
  Applies to two brackets per arm, each with separate rafters.
- 1 x rafter bracket mit
  1 x mounting plate for rafter incl.
  1 x wall bracket 85 mm per arm
  or
  2 x rafter bracket mit
  2 x mounting plate for rafter incl.
  2 x wall bracket 85 mm per arm
  Applies to two brackets per arm on a rafter.
  or
  2 x rafter bracket mit
  2 x mounting plate for rafter incl.
  2 x wall bracket 85 mm per arm
  Applies to two brackets per arm, each with separate rafters.

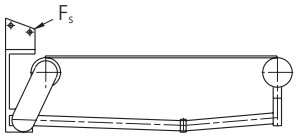
Please note:
from a width of 401 cm or a projection of 360 cm additional
1 x rafter bracket incl.
1 x wall bracket 85 mm
as central bracket required.

Taking the width to projection dimension limits into account, two brackets can also be used per arm instead of one bracket per arm.
Here, the indicated extraction force halves!
Applies only in the case of two brackets per arm on separate rafters respectively!
If two brackets per arm are mounted on one rafter, the shear force does not decrease!
weinor recommends the use of rafter brackets with mounting plate!
In the case of rafter mounting, the fixings are included in the order.

Width in cm	Projection in cm					
	150	200	250	300	350	400
200	1233	1826	2580	3553	4533	6394
					2267	3207
	565	807	1115	1513	1923	2652
					961	1337
250	1447	2147	3028	4149	5298	7509
					2649	3765
	659	944	1304	1762	2240	3108
					1120	1566
300	1662	2468	3476	4745	6063	8624
					3032	4323
	752	1081	1492	2011	2557	3564
					1278	1794
350	1876	2789	3924	5341	6828	9738
					3414	4882
	846	1218	1681	2259	2873	4020
					1437	2023
400	2090	3110	4372	5937	7593	10853
					3797	5440
	940	1355	1870	2508	3190	4476
					1595	2252
450	2254	3378	4765	6475	8295	11968
					4161	5998
	983	1439	2003	2698	3443	4932
					1736	2481
500	2464	3694	5209	7067	10294	13083
					5162	6557
	1072	1572	2187	2942	4256	5388
					2143	2710
550	2678	4015	5656	7669	11186	14201
				3850	5608	7117
	1166	1708	2375	3199	4624	5847
				1616	2328	2940
600	2888	4331	6100	9375	12074	15316
				4704	6053	7675
	1255	1841	2559	3894	4988	6303
				1964	2511	3169
650	3099	4648	6544	10062	12962	16431
				5048	6498	8234
	1345	1974	2744	4177	5352	6759
				2106	2694	3398
700	3309	4965	7913	10749	9774	12430
				5392	4898	6227
	1435	2107	3302	4460	4052	5130
				2248	2037	2577

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F_s = Shear force

