



Conser-  
vatory  
awnings  
weinor  
Plaza Pro

# Systemised textile weather protection

The weinor Plaza Pro offers shelter from sun, wind and rain.  
The sturdy construction is made with tried-and-tested technical components  
and is suitable for all manner of applications

[www.weinor.com](http://www.weinor.com)

**weinor**  
THE AWNING  
*... more than  
sun protection*



weinor Plaza Pro



weinor Plaza Pro

*With a combination of posts and crossbeam, this unit is extremely resistant to wind surges. At an angle of 14°, rain runs off the unit in a controlled manner. What's more, any projection length can be chosen regardless of the width. Glazing elements can be fitted as optional extras.*

## Technical details

### Max. sizes

- 1-section: housing width up to 500 cm; projection angle up to 60°
- Multi-section units possible

### Technical features

- The supports and crossbeam on the **weinor Plaza Pro** are based on components used in the **WeiTop Terrazza**
- The attached awning is based on the **weinor WGM** conservatory awning
- The combination of winding and guiding technology makes for quiet running (European patent no.: EP0546297)
- Service-friendly circumferential tensioning system (European patent no.: EP000000559959A3) using Tex-Seil rope, patented rope winding, integrated into drop profile and pre-tensioned
- Detachable inspection cover

- Easy to re-tension using gears housed in drop profile
- Patented carriage system for side winds (angled at up to 10°)
- Gutter integrated into drop profile
- Protective brushes prevent water entering during driving rain
- Side overhang of housing a mere 19 mm
- Intelligent coupling system for multi-section units
- Wide selection of support brackets
- Distance bars for bigger widths/lengths

### Design

- Wide selection of fabrics from weinor's latest collections

### Powder coating

- In 47 standard colours
- Surface permanently scratch- and weather-resistant
- Maintenance-free; rustproof; reliable

### Drive

- Motor as standard

## Options

### Drive

- Wireless drive

### Controls

- Sun and wind sensor
- Automatic rain sensor

### Fittings

- Tempura heating system
- Lux light bar

### Accessories

- The **weinor Plaza Pro** can be combined with glazing elements (GEs), as a parapet or entire side element
- Wall sealing profile
- Distance bar

## weinor Plaza Pro product engineering highlights



*weinor Plaza Pro*

### Little housing overhang

With its slimline housing (the side caps overhang by a mere 19 mm), the **weinor Plaza Pro** is also a suitable option in places where installation can be awkward – in niches for example.

### The end caps

These are made of high-quality cast aluminium and are an elegant way to close off the side channels. Their shape and colour are designed to match the head plate covers on the awning housing.

Other end cap colours and head plate covers available (surcharge applies).



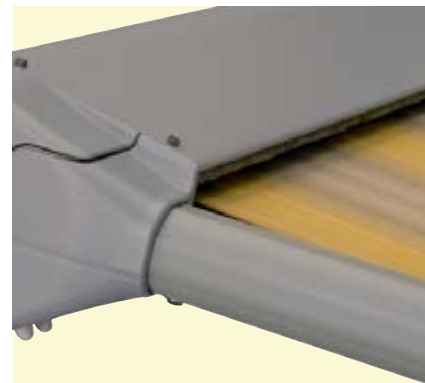
*Gutter in drop profile*

### The gutter

Should the **weinor Plaza Pro** ever become wet during driving rain, the rainwater runs off in a controlled manner in the same way as on a pitched roof.

### The carriage system

Precision rollers dramatically reduce roll resistance. The awning opens and reacts extremely smoothly as a result (European patent no.: EP 0545062).



*Protective brushes in awning housing*

### Protective brushes

These prevent water entering the cassette during driving rain. They are especially effective when the **weinor Plaza Pro** is not fitted at a slope but more horizontally – at a minimum pitch of 5°, for example.

## weinor Plaza Pro product engineering highlights

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*Open drop profile with patented tensioning system*

### The tensioning system

This system stands out for its easy, yet sturdy assembly. The Tex-Seil rope is the same high-tensile, tear-resistant rope found in sailing on the high seas and does not stretch. Using combined winding and guiding technology, the winding action of the rope is controlled and virtually noiseless. The tensioning mechanism is located in the drop profile, making it freely accessible and easy to service.



*Rope drum and glider (patented)*

The fabric can be easily tensioned using an Allen key. The ingenious mechanics ensure that the fabric remains taut at all times (patent pending under P 4207821.0).



*Fabric tension easy to control*

## weinor Plaza Pro product engineering highlights



*The fabric is stretched over the crossbeam*



*Strengthening profile on guide rail*



*weinor Plaza Pro with GE as parapet between the posts*

### Crossbeams and posts

The sturdy crossbeams and supports make the unit extremely resistant to wind surges. Stretching the fabric over the crossbeam gives the **weinor Plaza Pro** its exceptional fabric tension.

The appearance of streaks on the fabric in this area can be reduced by selecting an appropriate fabric design.

The free-standing structure means the house wall is subjected to less stress load than is the case with other types of awning (e.g. folding arm awnings), and when pitched at 14° water runs off in a controlled manner.

### The awning

The **weinor Plaza Pro** awning is a well-engineered product, having been based on the tried-and-tested **WGM 2020**.

### The strengthening profile

The side guide rails are reinforced through the inclusion of the strengthening profile. A gutter has been incorporated into the strengthening profile. The addition of a side stop means that it is also possible to fit GEs or vertical sun protection as optional extras.

### Strengthening profile/guttering section

Strengthening profile are automatically supplied on projection lengths of 4 m and above. On multi-section units, a guttering section is fitted to the strengthening profiles in the vicinity of the coupling joint.

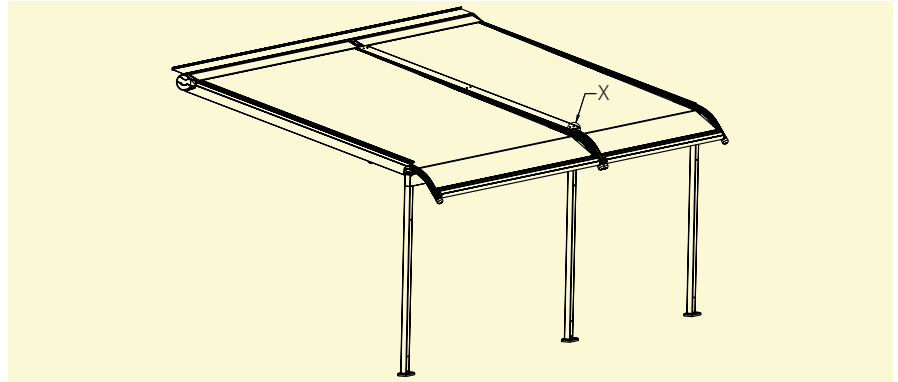
### Glazing elements (GEs)

The **weinor Plaza Pro** can be combined with weinor GEs, by fitting them either between the posts or to the stop on the strengthening profile, including to the sides. The unit is then entirely encased; alternatively, the GEs can be used as parapet elements.

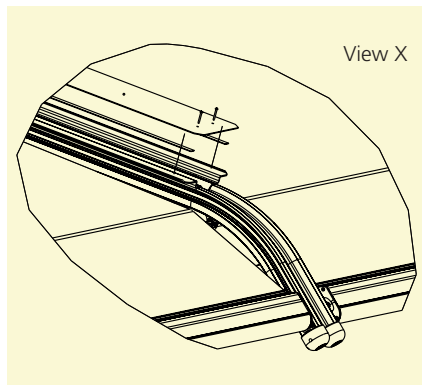
**weinor Plaza Pro multi-section units**

**The multi-section unit**

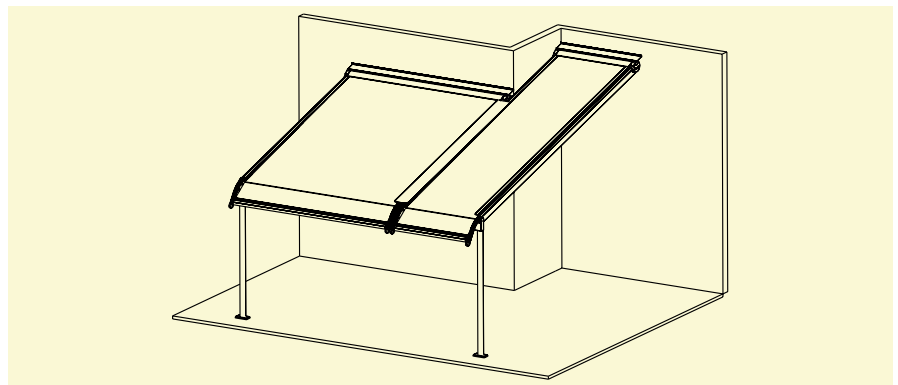
A multi-section unit is a series of individual units fitted side by side, each one of which has its own motor drive. This enables different projection lengths to be selected per unit. The side channels rest on the shared crossbeam. On multi-section units, the stiffeners come ready supplied with gap cover plates.



*weinor Plaza Pro multi-section unit*



*Guttering section on strengthening profile*

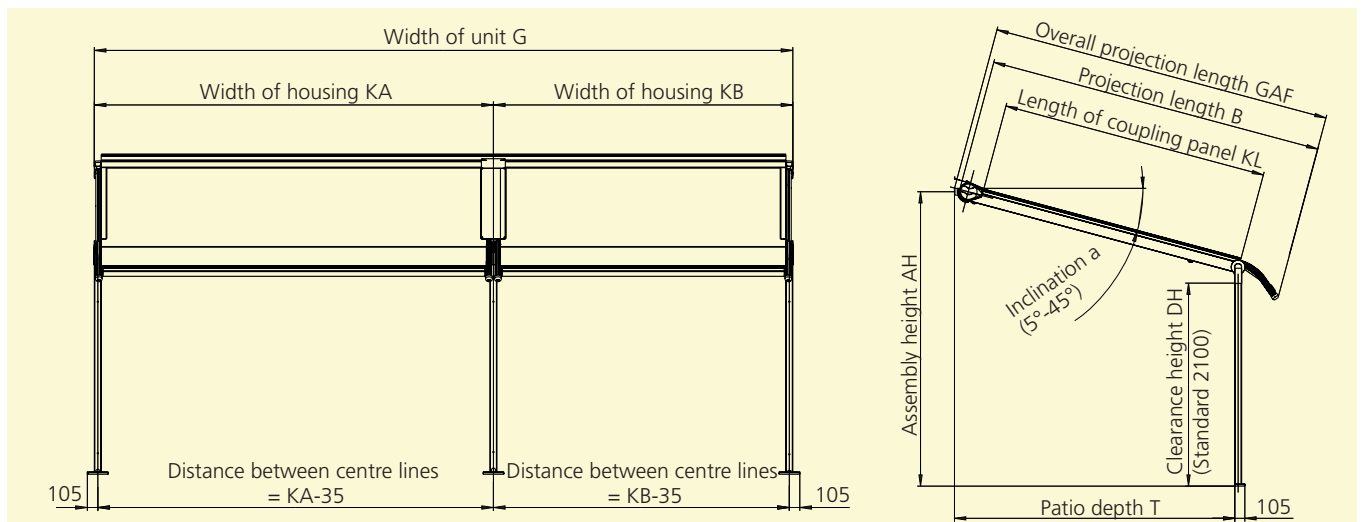


*Multi-section unit with wall offset*

**Options**

A variety of offset versions (e.g. wall offset) can be designed on request.

*We reserve the right to make technical alterations. May 2009*



*Outside measurements of coupled units without offset*

## Product benefits at a glance

Designation	Material	Surface treatment	Qualities	Your advantages
Housing profile Drop profile Guide profile Support bar Post Crossbeam Strengthening profile	Extruded aluminium	Chrome-free pre-treated, powder-coated	Surface permanently scratch- and weather-resistant	You choose which powder coating should be used on your <b>weinor Plaza Pro</b> to match your house. Pre-treating the profiles in this way prevents any corrosion arising, even if the surface becomes damaged.
Elbow	Extruded aluminium	Chrome-free pre-treated, powder-coated	Surface permanently scratch- and weather-resistant	Reliable function thanks to rope retainer guide in the elbow area.
Rope in tensioning system	Tex-Seil rope as used in sailing on the high seas			Sturdy, high-tensile, tear-resistant, quiet
Patented tensioning system	With angular gear for re-tensioning			Easily accessible; adjustable at any time
Patented winding and guiding technology	Rope drum: high-grade plastic Glider: plastic; stainless steel			Controlled, quiet winding
Gutter in drop profile	Extruded aluminium	Chrome-free pre-treated, powder-coated	Surface permanently scratch- and weather-resistant	Rainwater in the gutter can drain off to the side.
Housing and drop profile end caps	Plastic Cast aluminium	Powder-coated	Surface permanently weather-resistant	Choose the end cap colours to match the fabric or go for tone in tone.
Screws/bolts	Stainless steel		Rustproof	No rust; no appreciable wear and tear
Drive motor			Precisely engineered, sturdy design	An electric tubular motor integrated into the fabric roller opens and retracts the awning and is operated via a wall switch, for example

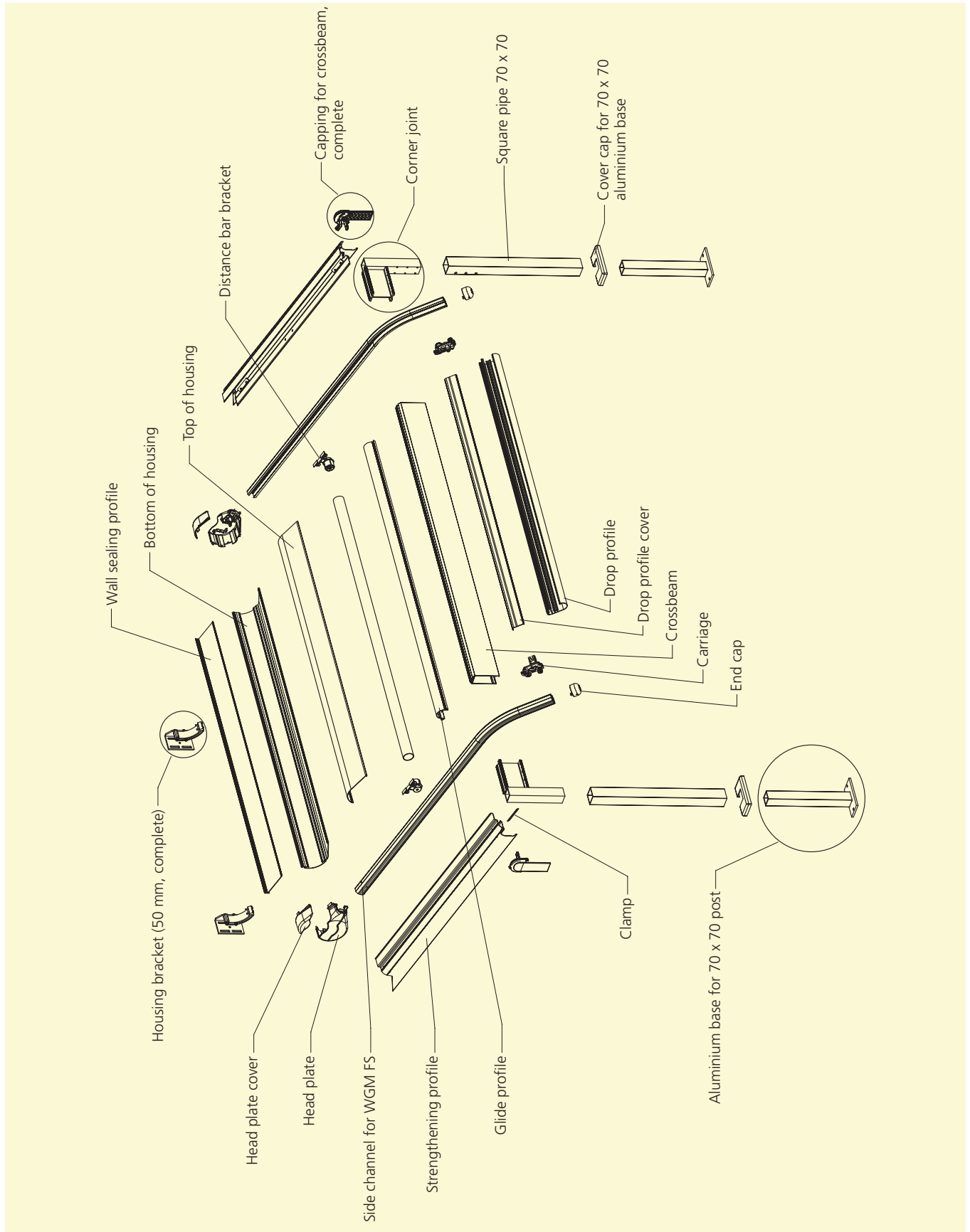
## Product benefits at a glance

Designation	Material	Surface treatment	Qualities	Your advantages
Awning fabric from the weinor fabric collection	Acrylic	Spinneret dyed; high-clean nano-coating	UV-resistant; dirt- and oil-repellent	High colour fastness; clean fabric
	Polyester	Spinneret dyed; high-clean nano-coating; polyester yarn; innovative weaving pattern	UV-resistant; dirt- and oil-repellent; very good recovery properties	High colour fastness; clean fabric; very good coiling properties; good fabric positioning
	Waterproof polyester	Spinneret dyed; high-clean nano-coating; polyester yarn; innovative weaving pattern; special water-tight coating	UV-resistant; dirt- and oil-repellent; very good recovery properties; withstands 1000 mm of water column; glued inner seams as standard	High colour fastness; clean fabric; very good coiling properties; good fabric positioning; withstands constant rain; suitable as a rain protection unit

## Product options at a glance

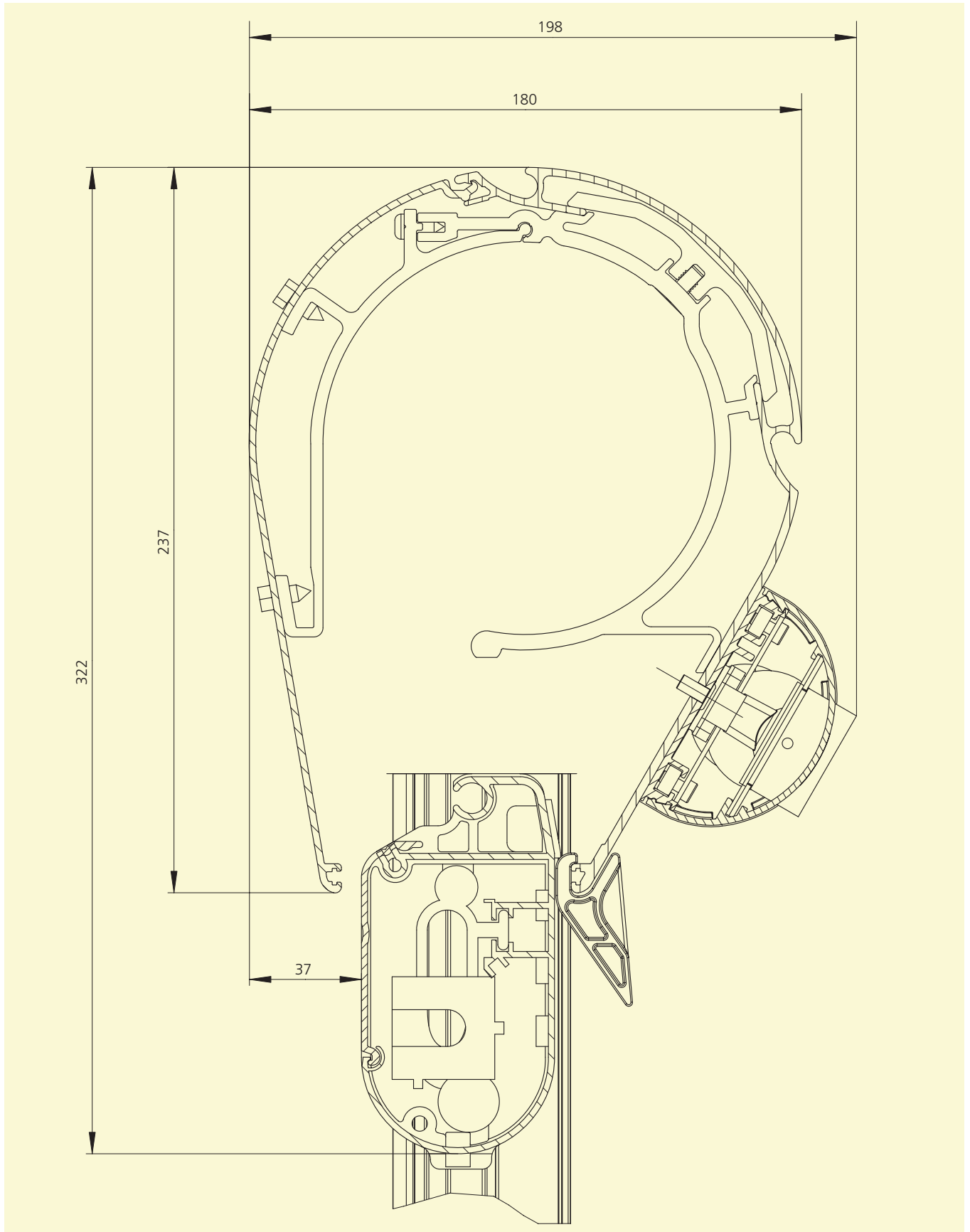
Designation	Material	Surface treatment	Qualities	Your advantages
Awning fabric from external collection	Acrylic	Spinneret dyed; impregnated	UV-resistant	Even greater selection of single-colour and striped fabrics.
	Soltis®	Specially coated polyester fibre	Microvented; light-permeable	Light-permeable, air-permeable sun protection
Wireless drive				On request, the integrated tubular motor can also be fitted with a <b>WeiTronic wireless receiver</b> . The awning can then be operated through the convenience of a <b>WeiTronic Remoto</b> hand-held transmitter. See section on WeiTronic for details.
Tempura heating system	Corrosion-proof materials	Chrome-free pre-treated, powder-coated	Splash-proof; for use indoors and outdoors	Well-engineered quality, precise and weather resistant down to the last detail. Use of same components makes for easier service.
Light bar	Extruded aluminium	Chrome-free pre-treated, powder-coated	Surface permanently scratch- and weather-resistant	weinor's light bars Lux and Lux Design can be ordered together with the awnings. See Accessories section for details.

### Exploded drawing of the weinor Plaza Pro



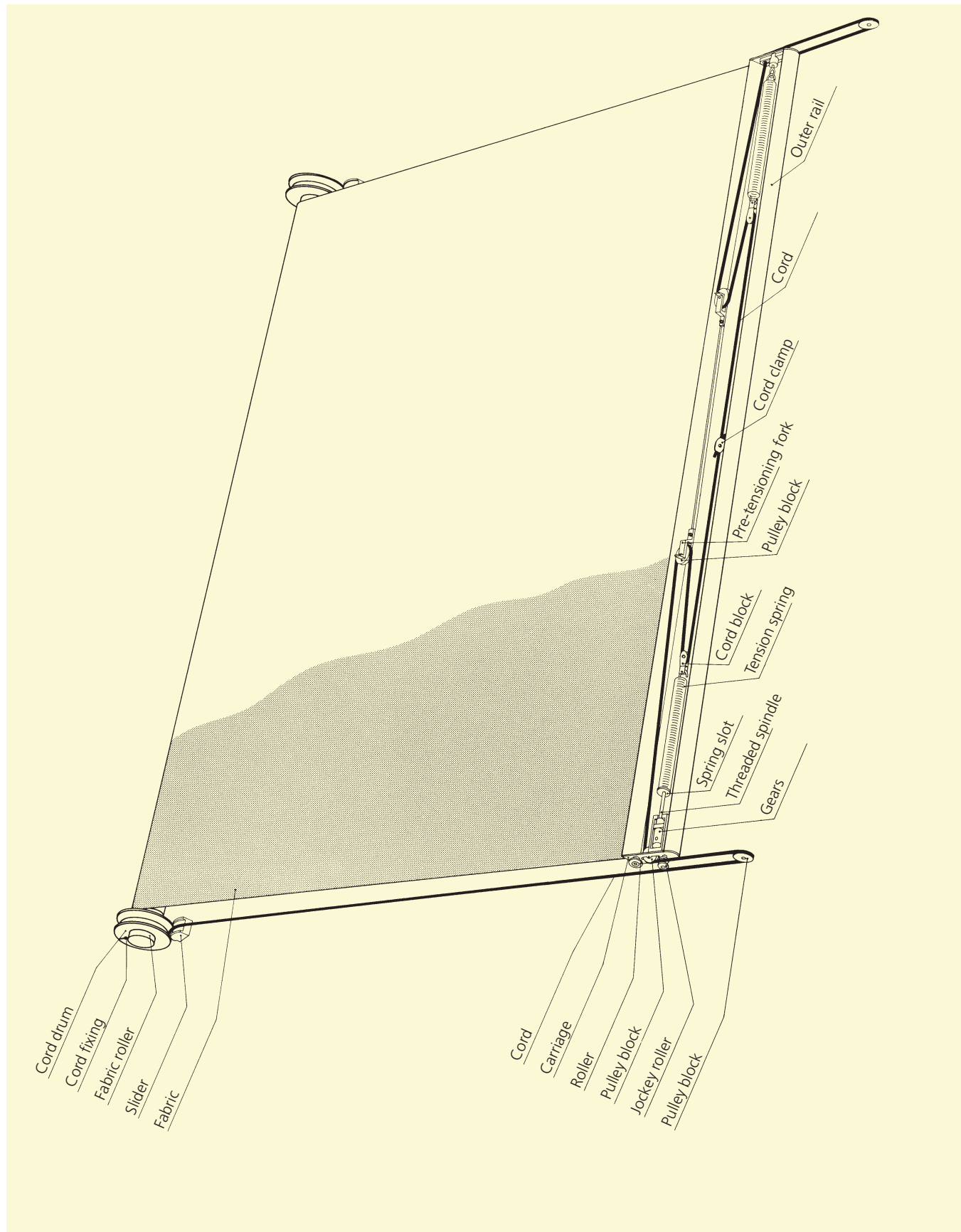
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**Cross-section of weinor Plaza Pro – not to scale**



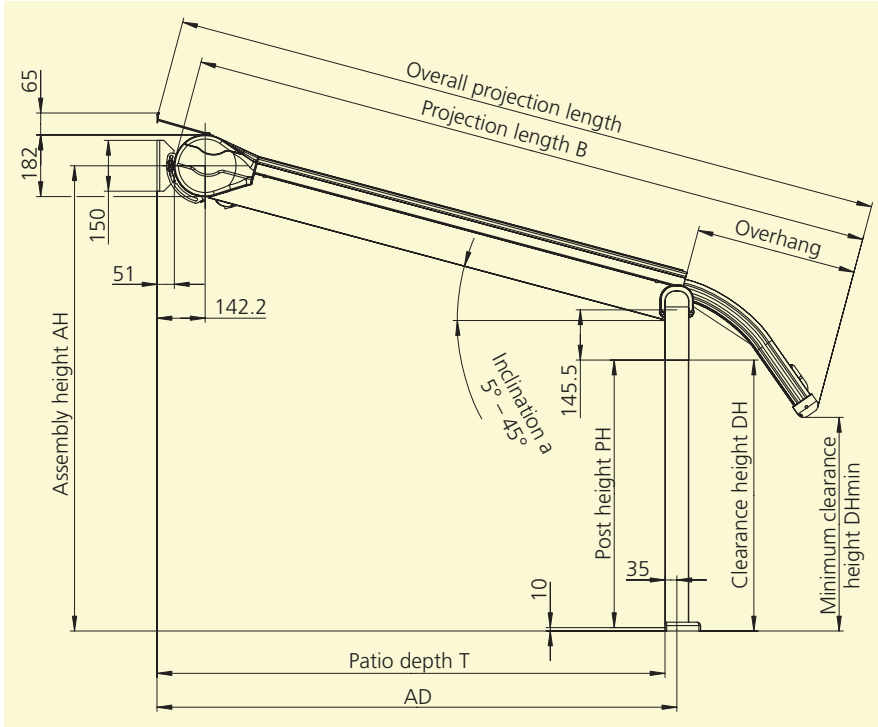
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Functional drawing of weinor Plaza Pro single-section flat unit

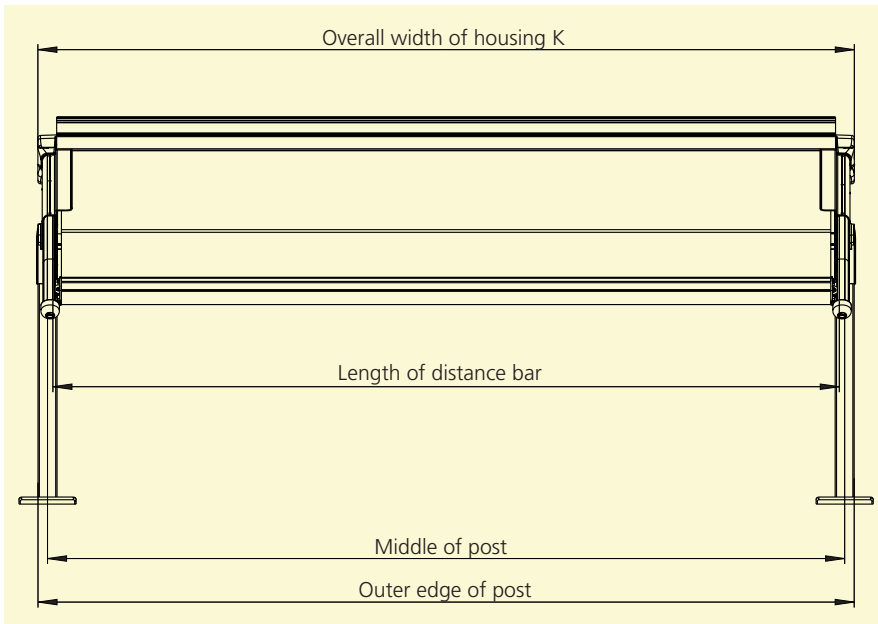


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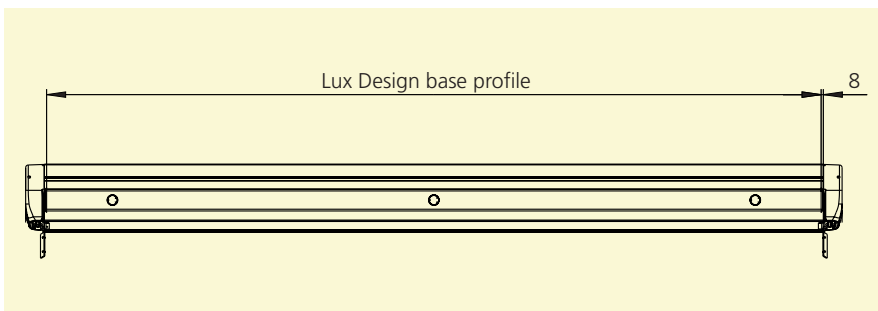
**General views**



Side view of weinor Plaza Pro



Front view of weinor Plaza Pro



View from below weinor Plaza Pro with Lux Design light bar

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**Clearance height**

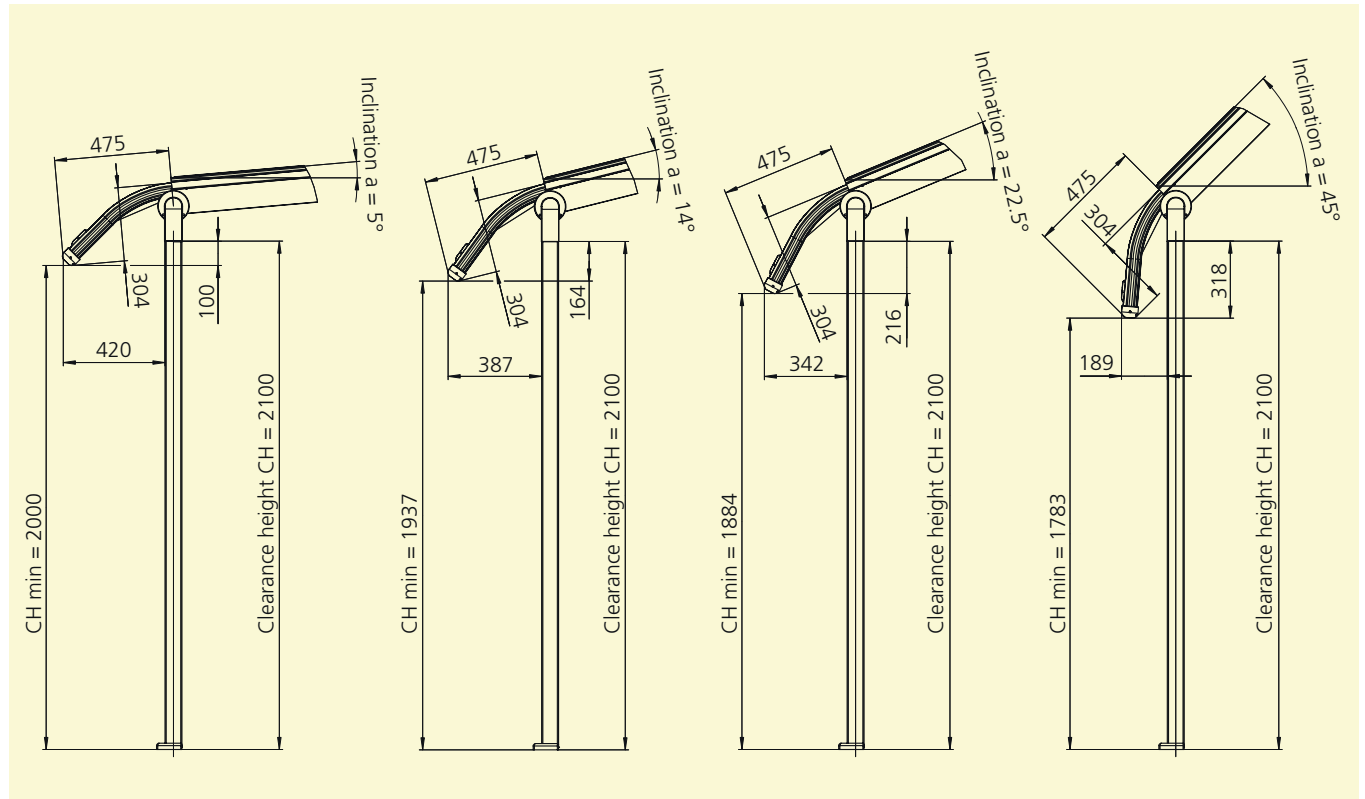


Diagram showing the minimum clearance heights on the side channels depending on the inclination.

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**Glazing elements (GEs) for weinor Plaza Pro**

The **weinor Plaza Pro** can be combined with glazing elements – fitted both between the posts and at the sides.

**GEs between posts**

The following GE profiles can be used in this case:  
 w26-c (as an all-glass sliding door)  
 w40-c (as a folding partition)  
 w50-c (as fixed glazing, window, door, PTS and parapet)

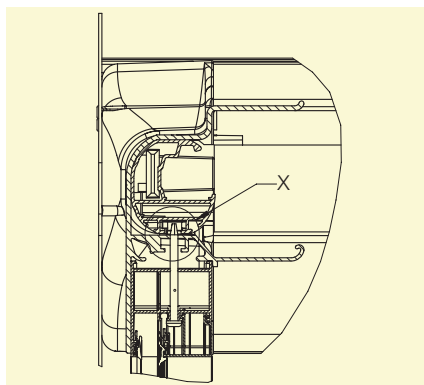
**GEs at sides**

The following GE profiles can be used in this case:  
 w50-c (as fixed glazing, window, door, PTS and parapet)

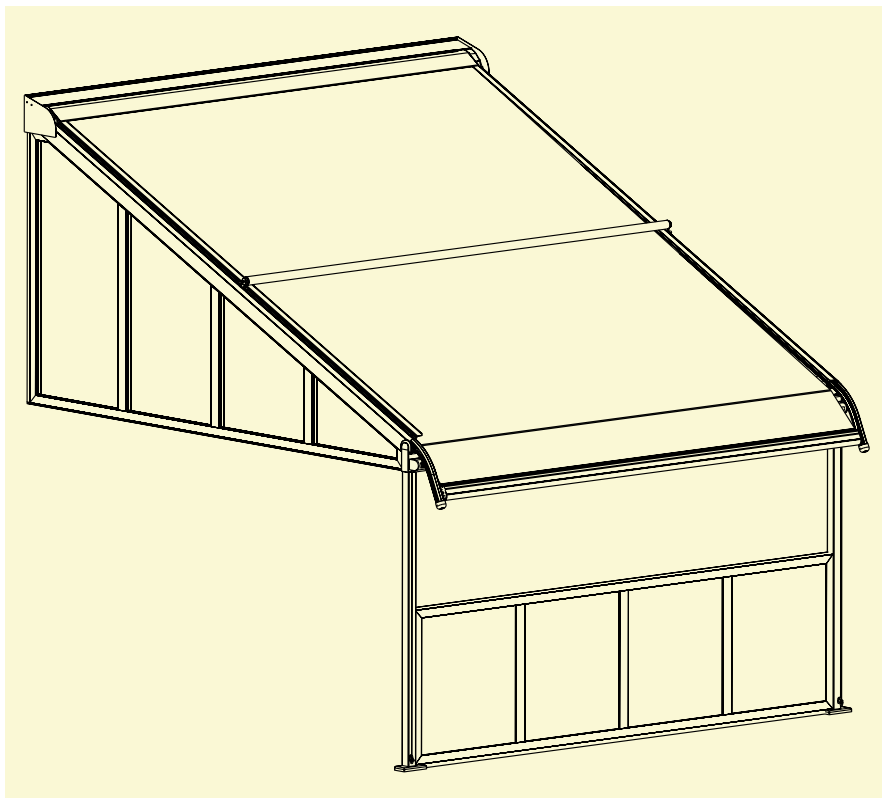
A permanent trapezium element is fitted below the strengthening profile and above the side GEs. Other customised versions on request.

**The strengthening profile**

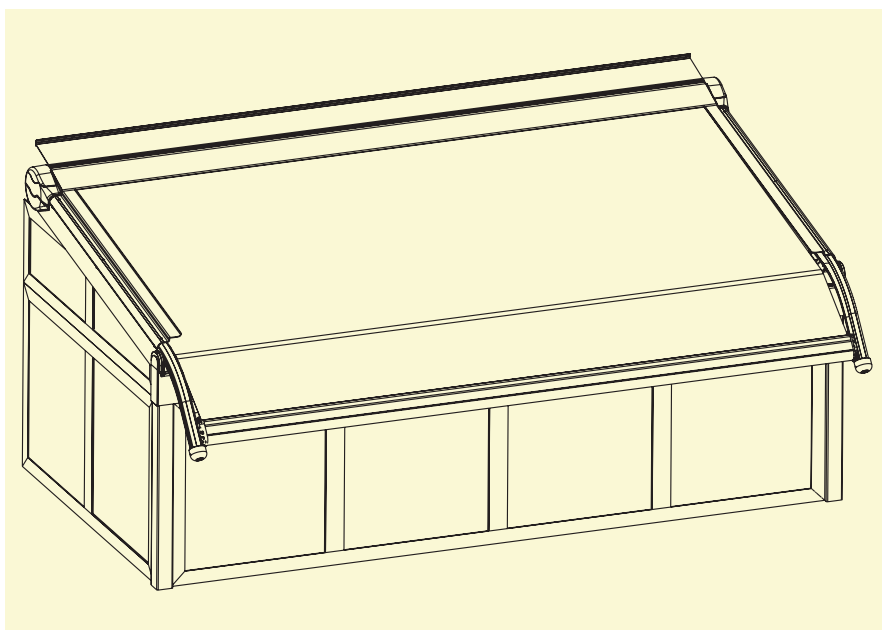
The stop makes it possible to fit the GEs at the sides of the **weinor Plaza Pro**.



Strengthening profile



**weinor Plaza Pro** with trapezium element and parapet between the posts



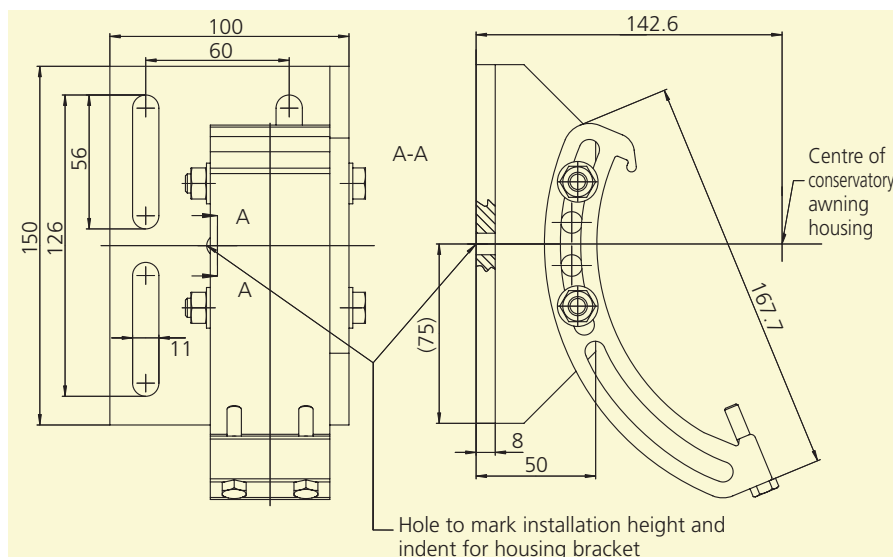
**weinor Plaza Pro** with GEs at the sides and between the posts

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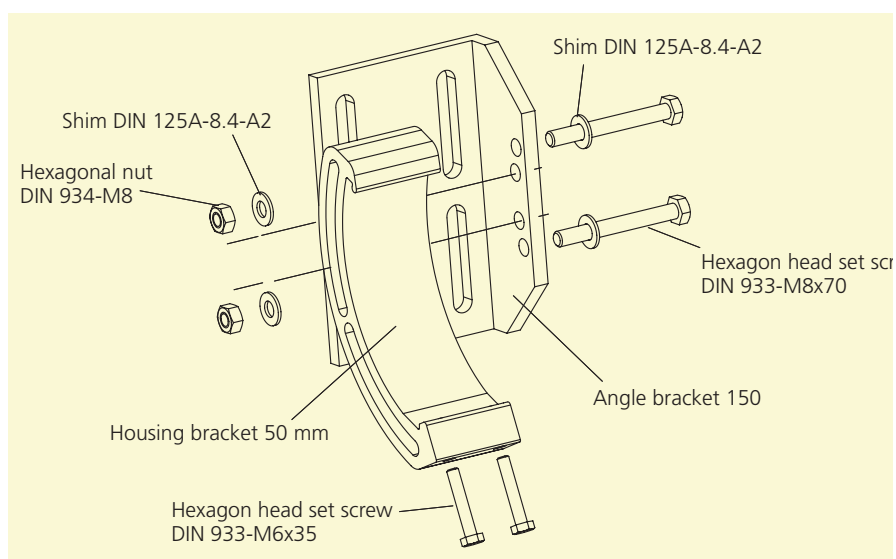
## Fixings (wall assembly)

### The housing bracket

The sturdy aluminium housing bracket enables the **weinor Plaza Pro** to be fitted at a roof pitch of between five and forty-five degrees. The two M8 x 70 stainless steel screws provide the necessary grip force per bracket.



weinor Plaza Pro housing bracket



weinor Plaza Pro housing bracket

## General notes

In areas exposed to gusty winds and on larger units, etc. we recommend that you add further posts below the strengthening profile.

**i** Please note that, no matter how perfect or what high-quality materials have been used, **weinor Plaza Pro** units remain sun protection units that ensure that water will drain off in a controlled manner when positioned at an angle of 14°.

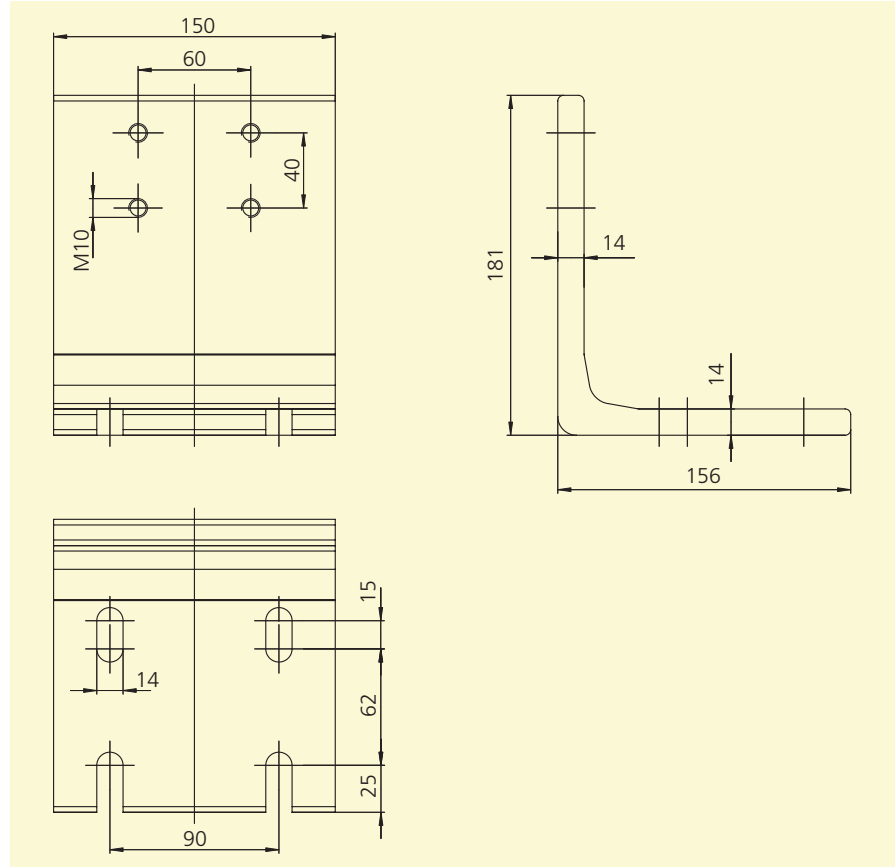
### Scope of delivery:

- Units with Soltis® fabrics can only be supplied in certain sizes.
- Motor drive without switch, plug, Hirschmann coupling as standard
- Fixings needed for structure not included

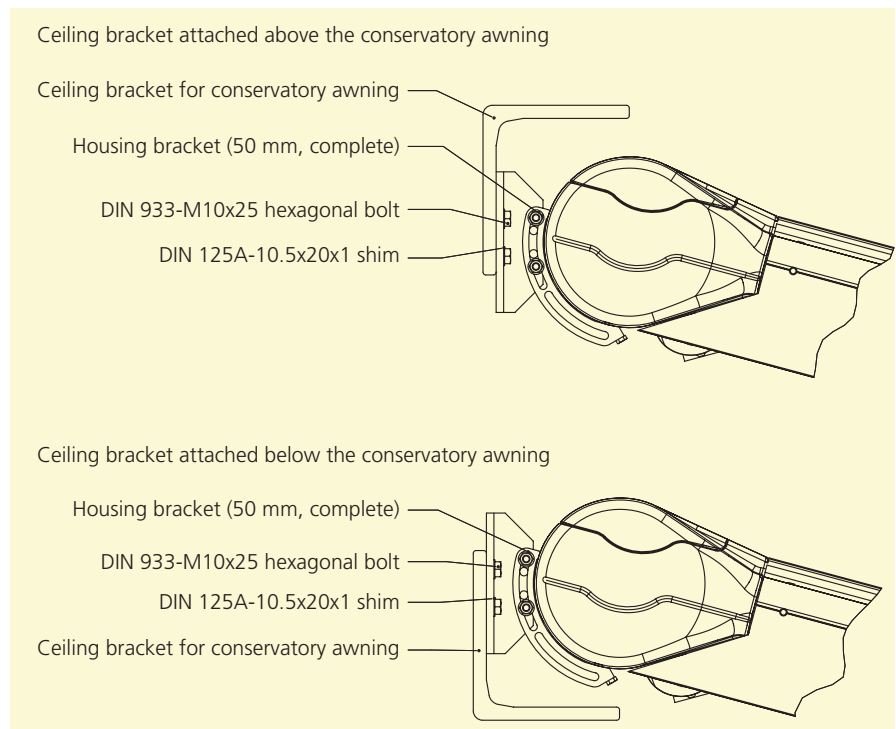
**Installation options (ceiling bracket)**

**The ceiling bracket**

Installation is also possible below or above a protruding ceiling, such as a balcony for example. The ceiling bracket (which is the same colour as the awning) makes installation on every configuration easy.



**weinor Plaza Pro ceiling bracket**



**Installation options for ceiling bracket (bill of quantities)**

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**Distance bars (optional)**

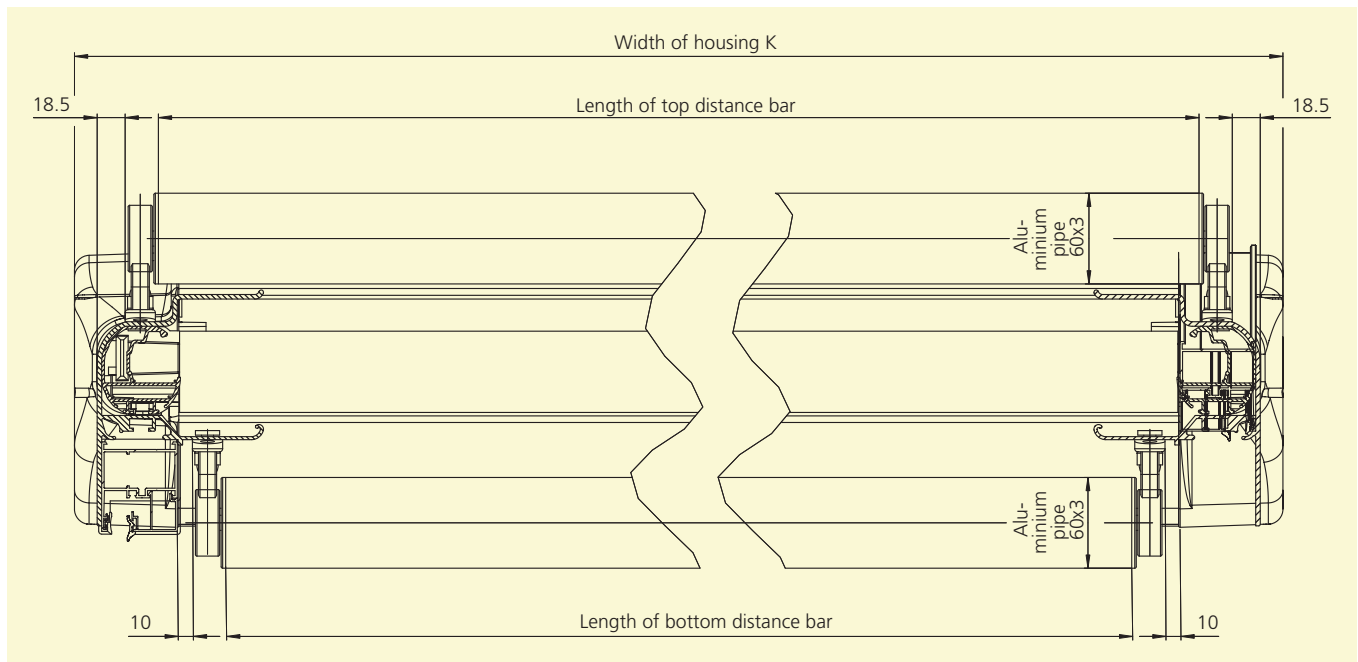
Distance bars are supplied as optional extras on customer request. If glazing elements (GEs) are used, the distance bars are fitted onto the strengthening profiles.

The distance bars can be affixed above or below the awning fabric.

If the projection length is at least four metres, we recommend fitting a distance bar below the fabric to prevent the fabric from sagging heavily when wet. The appearance of streaks at the point where the fabric and distance bar touch can be reduced

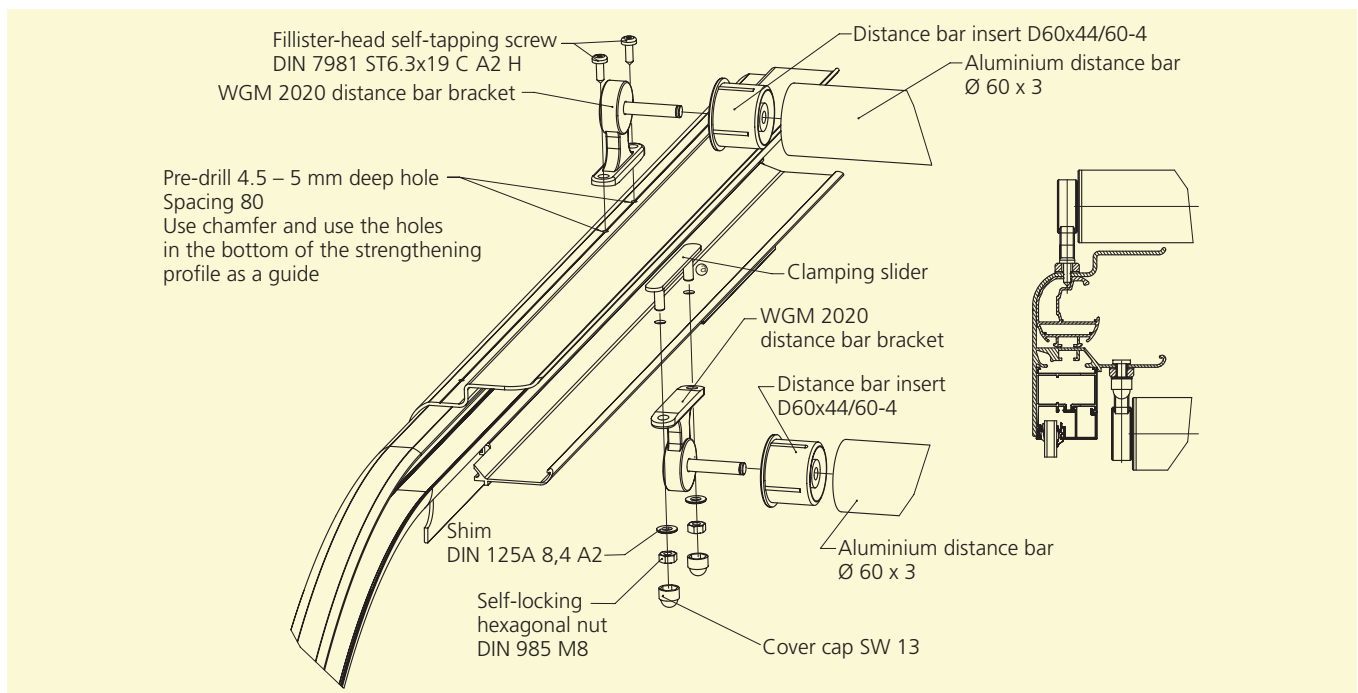
by selecting an appropriate fabric design.

If trapezium glazing elements are used, the distance bars are fitted to the gutters on the strengthening profiles. The top distance bar is screwed directly onto the strengthening profile.

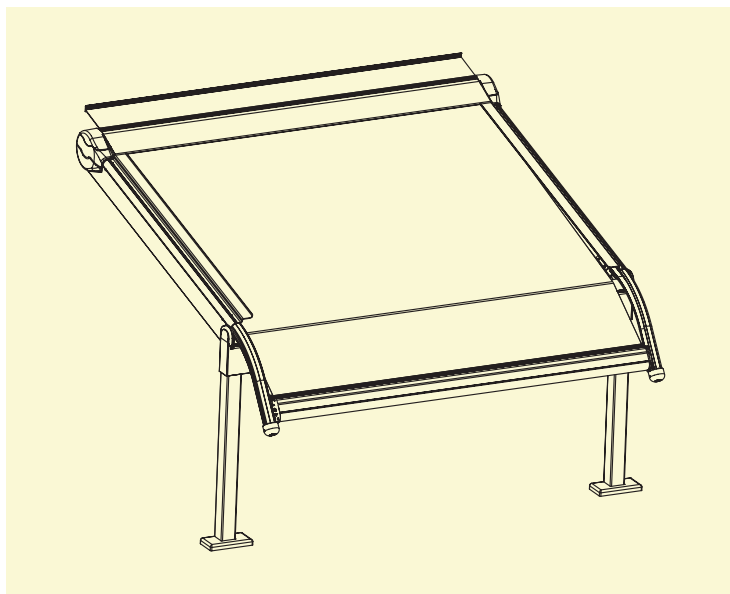
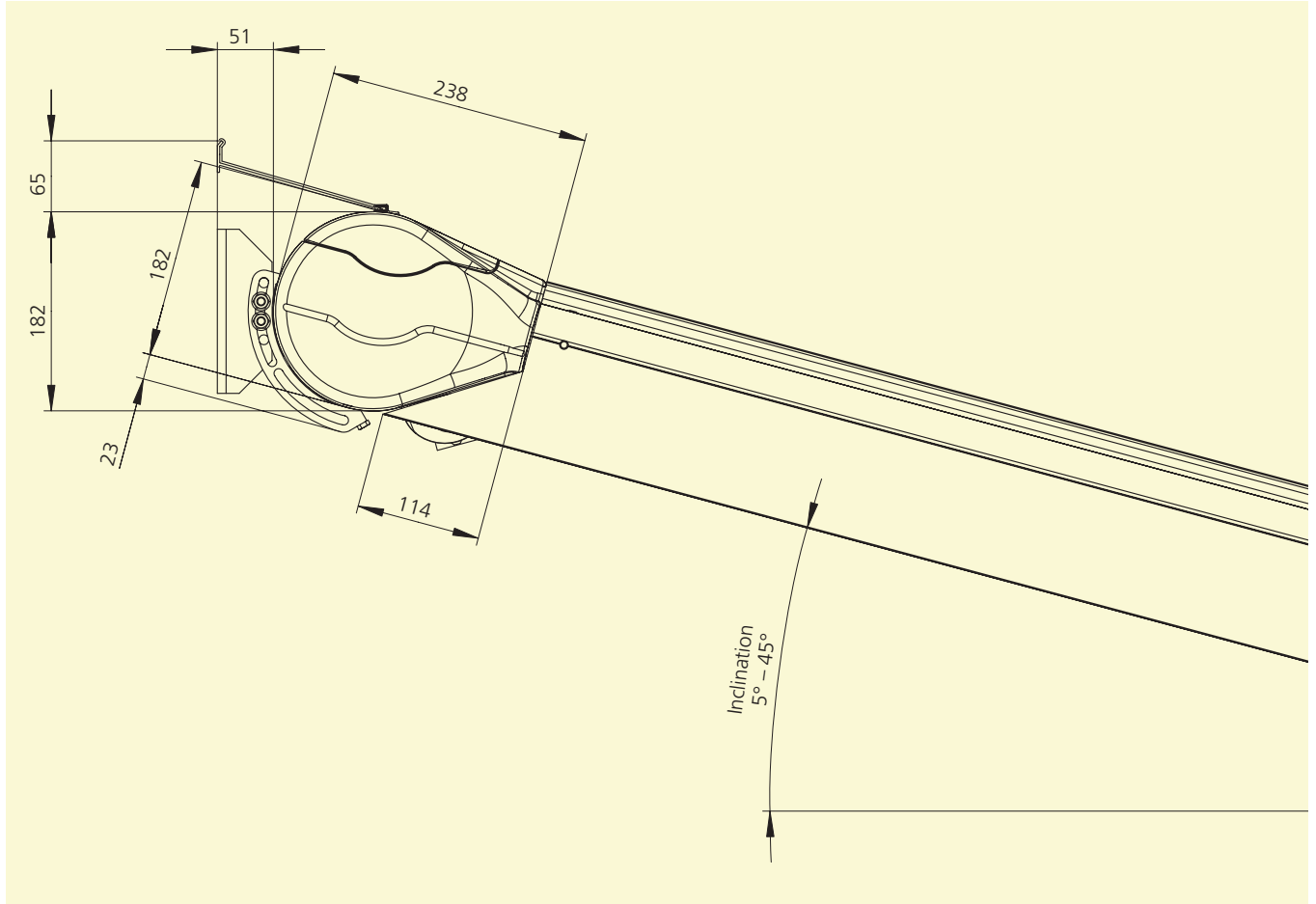


We reserve the right to make technical alterations. May 2009

**Using a distance bar on a strengthening profile**



Wall sealing profile



We reserve the right to make technical alterations. May 2009

## Calculating dimensions for weinor Plaza Pro with GEs

**Table for quick overview of ratio between depth of patio T and inclination NW and showing the resulting assembly height AH and projection length B**  
Clearance height 210 cm (DH)

Inclination (°)	Depth of patio T (values given in cm)																	
	T = 100		T = 150		T = 200		T = 250		T = 300		T = 350		T = 400		T = 450		T = 500	
	AH	B	AH	B	AH	B	AH	B	AH	B	AH	B	AH	B	AH	B	AH	B
5			242	196	246	247	251	297	255	347	260	397	264	447	268	498	273	548
6			245	197	250	247	255	297	260	348	266	398	271	448	276	498	281	549
7			247	197	253	247	259	298	265	348	272	399	278	449	284	499	290	550
8			249	197	257	248	264	298	271	349	278	399	285	450	292	500	299	551
9			252	198	260	249	268	299	276	350	284	400	292	451	299	502	307	552
10			254	198	263	249	272	300	281	351	290	402	299	452	307	503	316	554
11			257	199	267	250	276	301	286	352	296	403	306	454	315	505	325	556
12			260	200	270	251	281	302	291	353	302	404	313	455	323	506	334	557
13			262	200	274	252	285	303	297	354	308	406	320	457	331	508	343	559
14			265	201	277	252	290	304	302	356	315	407	327	459	340	510	352	562
15	254	150	267	202	281	253	294	305	308	357	321	409	334	461	348	512	361	564
16	256	150	270	203	284	255	299	307	313	359	327	411	342	463	356	515	370	567
17	257	151	273	203	288	256	303	308	319	360	334	413	349	465	364	517	380	569
18	259	152	275	204	292	257	308	309	324	362	340	415	357	467	373	520	389	572
19	261	152	278	205	295	258	313	311	330	364	347	417	364	470	381	523	399	575
20	263	153	281	206	299	259	317	313	335	366	354	419	372	472	390	526	408	579
21	264	154	284	207	303	261	322	314	341	368	360	422	380	475	399	529	418	582
22	266	155	287	208	307	262	327	316	347	370	367	424	388	478	408	532	428	586
23	268	155	289	210	311	264	332	318	353	373	374	427	396	481	417	536	438	590
24	270	156	292	211	315	266	337	320	359	375	381	430	404	485	426	539	448	594
25	272	157	295	212	319	267	342	323	365	378	389	433	412	488	435	543	459	598
26	274	158	298	214	323	269	347	325	372	381	396	436	420	492	445	547	469	603
27	276	159	301	215	327	271	352	327	378	383	403	440	429	496	454	552		
28	278	160	305	217	331	273	358	330	384	387	411	443	438	500	464	556		
29	280	161	308	218	336	275	363	333	391	390	419	447	446	504	474	561		
30	282	162	311	220	340	278	369	335	398	393	427	451	455	509	484	566		
31	284	163	314	222	344	280	375	338	405	397	435	455	465	513	495	572		
32	287	165	318	224	349	283	380	342	412	401	443	459	474	518	505	577		
33	289	166	321	226	354	285	386	345	419	404	451	464	484	524	516	583		
34	291	167	325	228	359	288	392	348	426	409	460	469	494	529	527	590		
35	294	169	329	230	364	291	399	352	434	413	469	474	504	535	539	596		
36	296	170	332	232	369	294	405	356	441	418	478	479	514	541	550	603		
37	298	172	336	234	374	297	411	360	449	422	487	485	525	548				
38	301	174	340	237	379	300	418	364	457	427	496	491	535	554				
39	304	175	344	240	385	304	425	368	466	433	506	497	547	561				
40	306	177	348	242	390	308	432	373	474	438	516	503	558	569				
41	309	179	353	245	396	312	440	378	483	444	527	510	570	577				
42	312	181	357	248	402	316	447	383	492	450	537	517	582	585				
43	315	183	362	251	408	320	455	388	502	457	548	525	595	593				
44	318	185	366	255	415	324	463	394	511	463	560	533	608	602				
45	321	188	371	258	421	329	471	400	521	471	571	541						

- Maximum projection length B = 600 cm
  - Minimum projection length B = 150 cm
  - A strengthening profile must be used when B = 400 cm or more
- Borderline cases for warranty

We reserve the right to make technical alterations. May 2009