



Support
structure
Duofix



The weinor shade roofing

Ideal for catering and large social gatherings –
the flexible weinor Duofix that can be dismantled as and when needed

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



Duofix with Opal Design



Duofix with Plaza Pro

Perfect for outdoor catering
When it comes to sun protection for larger social gatherings, weinor's **Duofix** fabric shade roofing is the perfect solution. Different types of awnings can be fitted to both sides of the free-standing structure – choose from **Opal Design/Lux**, **Topas with hood** or **Plaza Pro**.

Technical details

Max. size of Duofix

- Maximum width: 650 cm
- Maximum width coupled units: 1300 cm
- Standard height: 326 cm.
The minimum clearance height at the front of the awning should be 190 cm
The minimum clearance height at the front of the **Plaza Pro** should be 210 cm
- Multi-section units possible on request

Technical equipment

- Modular product add-ons for **Opal Design/Lux**, **Topas with hood** or **Plaza Pro** products
- Installation on open spaces
- Not available with Valance Plus
- Choice of ground sleeves or fixing plates for securing to ground

- Further polyester fabrics available from the **WeiTex** fabric collection for the fitted awnings
 - Ideal for large units
 - Minimal creasing and wrinkling
 - Long-lasting brilliant colour
 - High UV resistance

Maximum shaded area on single-section units

- 48 sqm with folding arm awnings
- 60 sqm with **Plaza Pro** depending on the wind load zone and the structural conditions

Powder coating

- In 47 standard colours
- Trendy conservatory colours
- Surface permanently resistant to scratching and weather

Options

- Framework of floor-mounted base can be powder-coated
- Accessories such as heating and lighting
- WeiTronic

Duofix product engineering highlights



Retaining bracket for Topas with hood



Retaining bracket for Opal Design



Retaining bracket for Plaza Pro

Bracket options for Topas with hood, Opal Design and Plaza Pro

A variety of retainers make installing the awning products easy. A roof rounds off the overall appearance.

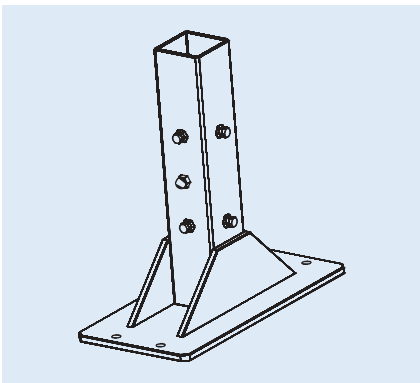
Screw-in base for fixing to foundation or optionally with removable stone bases for different locations.



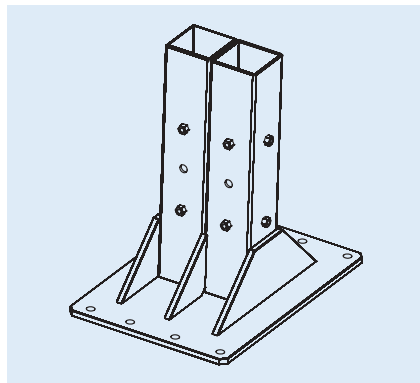
Duofix with Opal Design



Duofix with Plaza Pro



*Screw-in base (standard)
(Galvanized, optionally powder coated)*



*Screw-in base multi-section unit
(Galvanized, optionally powder coated)*

We reserve the right to make technical alterations. October 2009

View of Duofix with Opal Design

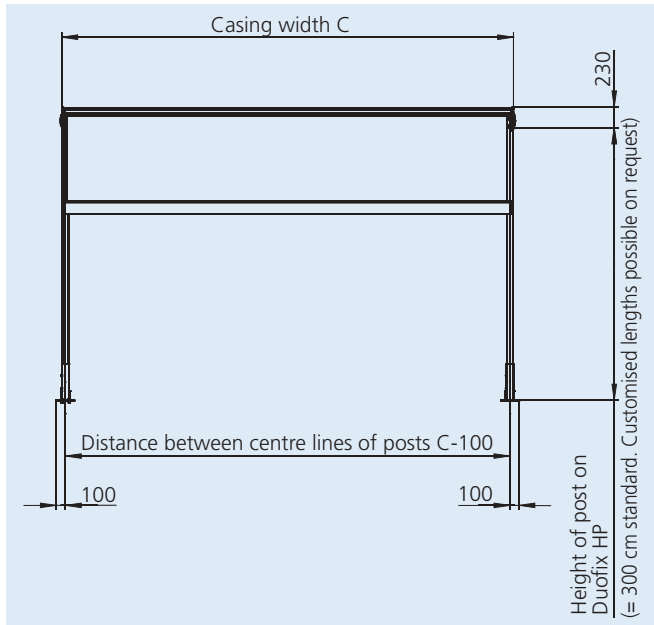


Fig. 1

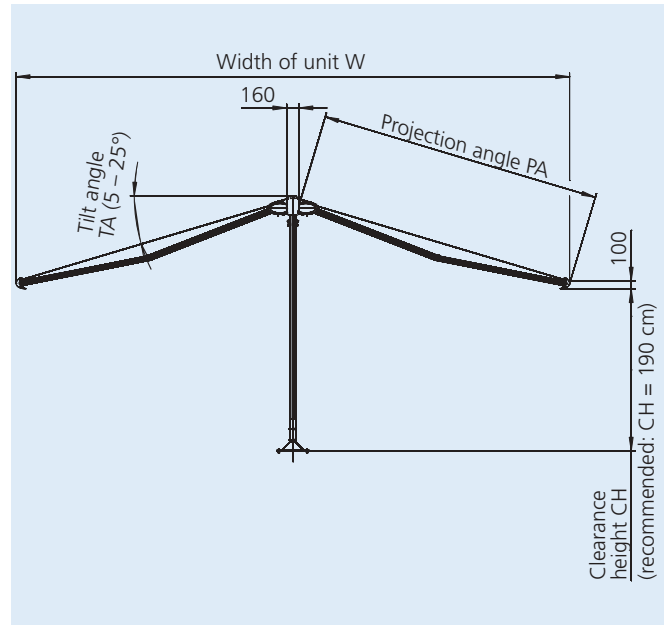


Fig. 2

View of Duofix with Plaza Pro

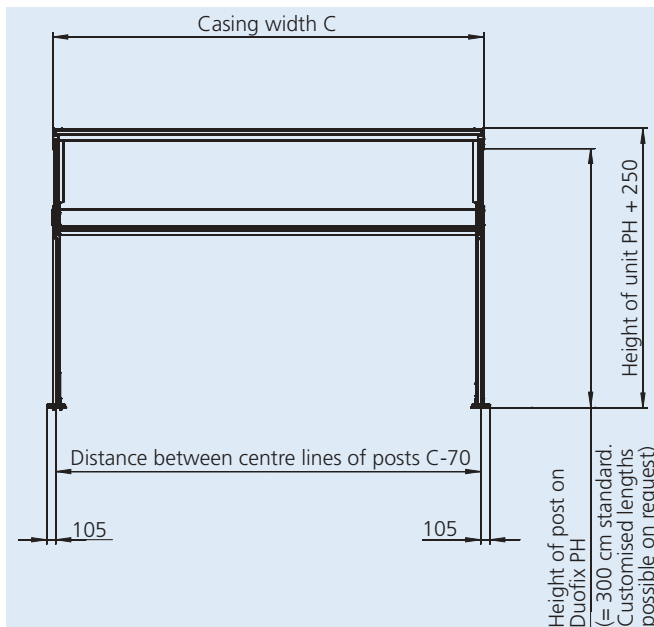


Fig. 3

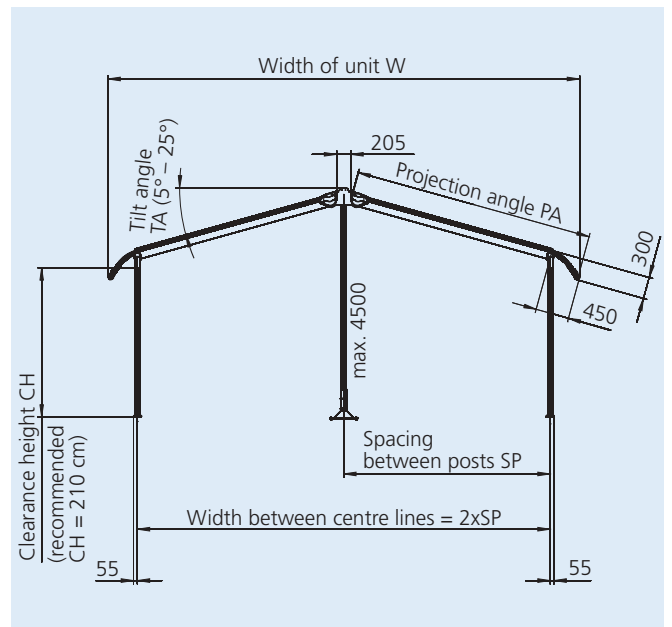


Fig. 4

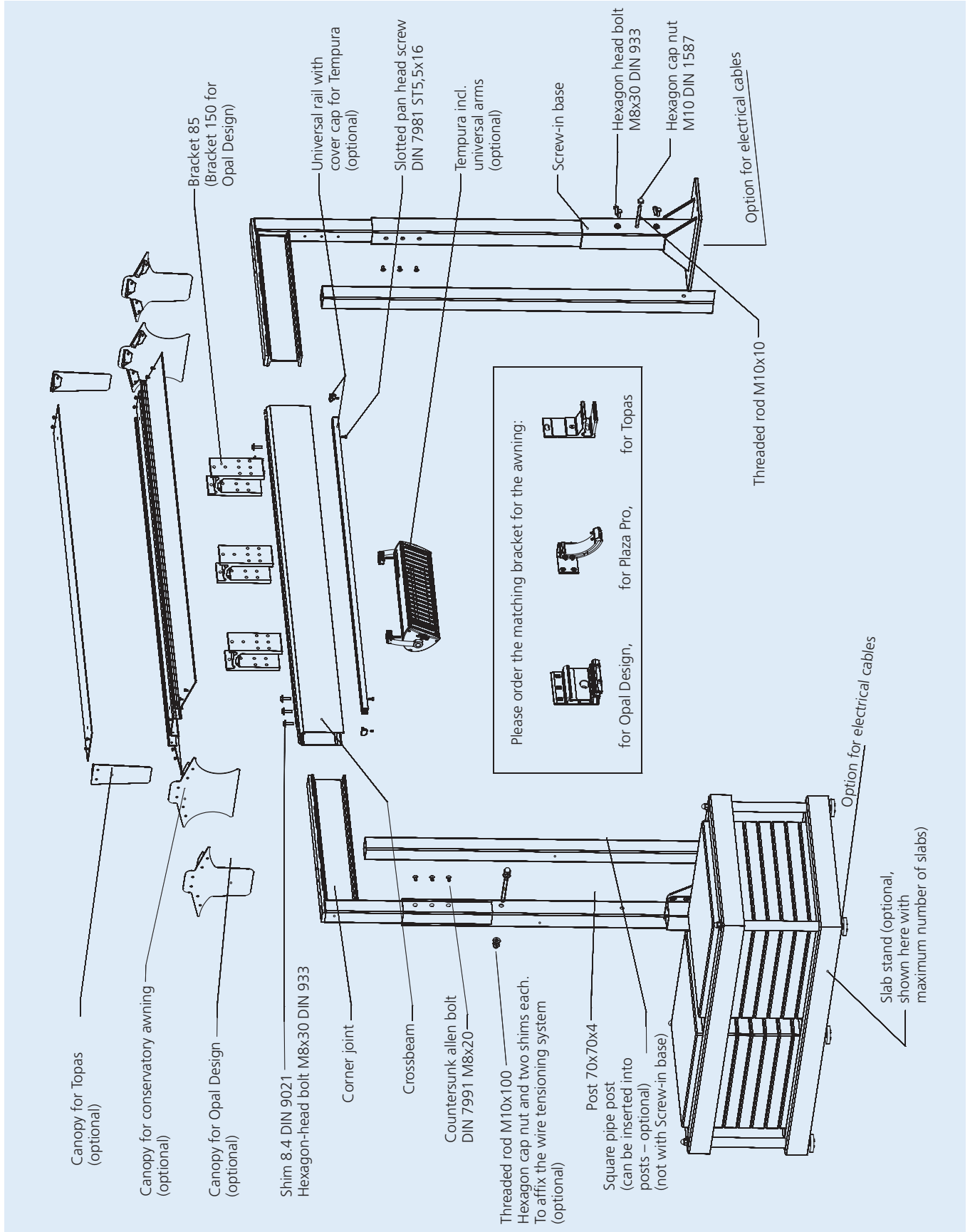
Product benefits of Duofix at a glance

Designation	Material	Surface treatment	Qualities	Your advantages
Screw-in base	Steel grade ST 37	Hot-dip galvanised	Surface permanently scratch- and weather-resistant	Long-lasting corrosion resistance, attractive look
Slab stand	Steel grade ST 37	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	The removable slab stand provides stability and flexibility; does not require building permission since the unit is not permanently anchored to the ground.
Universal rail with cover cap for Tempura heating system	Extruded aluminium	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	Already attached to the Duofix. Several Tempuras easily fitted.
Wall bracket	Steel grade ST 37	Hot-dip galvanised and powder-coated	Surface permanently scratch- and weather-resistant	Guaranteed to protect against rain and house the electrical equipment (WeiTronic components).
Canopy for Topas with hood	Extruded aluminium	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	Guaranteed to protect against rain and house the electrical equipment (WeiTronic components).
Canopy for Opal Design/Lux	Extruded aluminium	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	Guaranteed to protect against rain and house the electrical equipment (WeiTronic components).
Tempura heating system	Korrosionsfreie Materialien	Chrome-free pre-treated and 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 and powder-coated	Surface permanently scratch- and weather-resistant	weiner's light bars Lux and Lux Design can be ordered together with the awnings. See Accessories section for details.

Product benefits of Duofix at a glance

Designation	Material	Surface treatment	Qualities	Your advantages
Posts	Steel grade ST 37	Hot-dip galvanised and powder-coated	Surface permanently scratch- and weather-resistant	Long-lasting corrosion resistance, appealing look
Crossbeams	Extruded aluminium	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	Flexible housing of all fastening elements.
Screw-on bracket	Extruded aluminium	Chrome-free pre-treated and powder-coated	Surface permanently scratch- and weather-resistant	Universal retention of the brackets used on the Topas with hood , Opal Design/Lux folding arm awning and the Plaza Pro casing bracket.
Screws/bolts	Stainless steel		Rustproof	Rust-free; no appreciable wear and tear

Exploded drawing of Duofix



Duofix product options

Framework for slab stand

The **Duofix** can be ordered with slab stands as an optional extra.

Standard commercial patio slabs (size 50 x 50 x 5 cm) are used to load the framework. These are available from local building supplies specialists.



Framework

Means of using the **Duofix** free-standing awning without securing it in storms when retracted and using a slab stand weighing a total of 680 kg

Width of unit [m]	Wind zone + Terrain category						
	WZ 2, MP I	WZ 2, MP C	WZ 3, MP I	WZ 3, MP C	WZ 4, MP I	WZ 4, MP C	WZ 4, TC I
6.50	x	–	–	–	–	–	–
6.00	x	x	–	–	–	–	–
5.50	x	x	x	–	–	–	–
5.00	x	x	x	–	–	–	–

Legend:

WZ = Wind zone in acc. with DIN 1055-4

MP I = Mixed profile – inland in acc. with DIN 1055-4, Table B3 (covers all other terrain categories)

MP C = Mixed profile – coast in acc. with DIN 1055-4, Table B3 (5 km shore line, islands in the Baltic Sea)

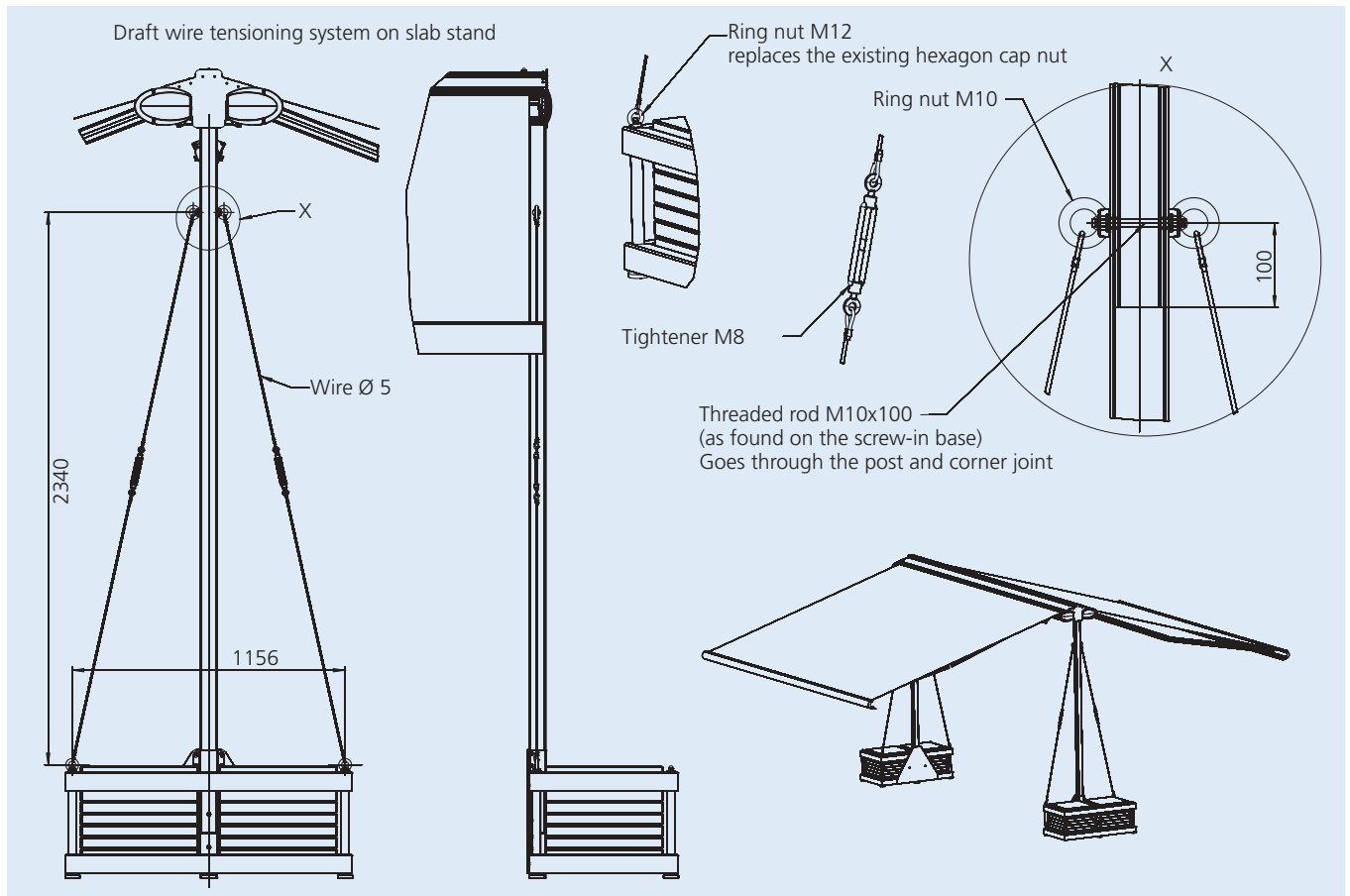
TC I = Terrain category I in acc. with DIN 1055-4, Table B1 (islands in the North Sea)

(Values) = required counterweight in kg

Recommended description of operation:

If the unit is being used in coastal areas and on islands in the North Sea, it must be dismantled in force 11 winds or higher, or additionally secured at the user's own discretion, unless the unit is located in an area sheltered from the wind.

Securing during a storm using the wire tensioning system



We reserve the right to make technical alterations. April 2009

Means of using the Duofix free-standing awning by securing it in storms when retracted and using a slab stand weighing a total of 680 kg

Width of unit [m]	Wind zone + Terrain category						
	WZ 2, MP I	WZ 2, MP C	WZ 3, MP I	WZ 3, MP C	WZ 4, MP I	WZ 4, MP C	WZ 4, TC I
6.50	x	x	x	x	x	–	–
6.00	x	x	x	x	x	–	–
5.50	x	x	x	x	x	–	–
5.00	x	x	x	x	x	x	–

Legend:

WZ = Wind zone in acc. with DIN 1055-4

MP I = Mixed profile – inland in acc. with DIN 1055-4, Table B3 (covers all other terrain categories)

MP C = Mixed profile – coast in acc. with DIN 1055-4, Table B3 (5 km shore line, islands in the Baltic Sea)

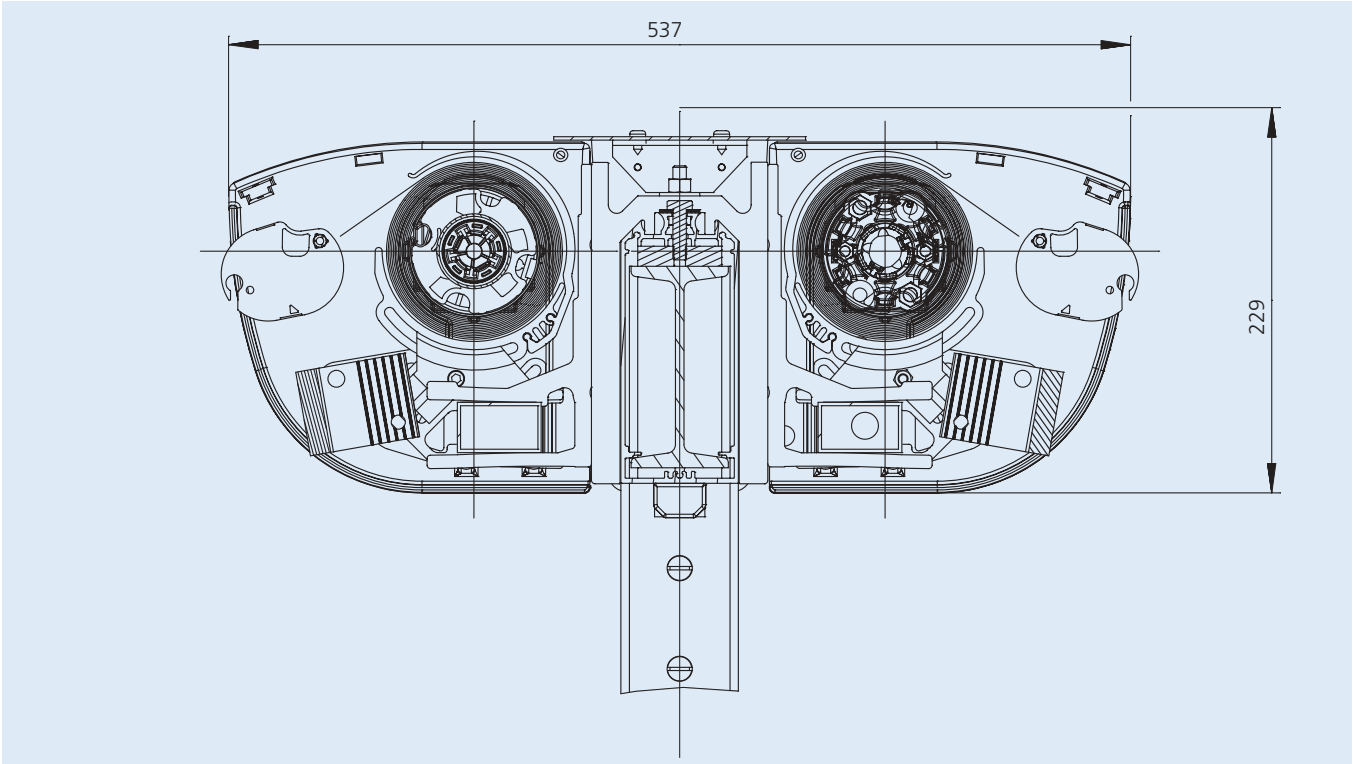
TC I = Terrain category I in acc. with DIN 1055-4, Table B1 (islands in the North Sea)

(Values) = required counterweight in kg

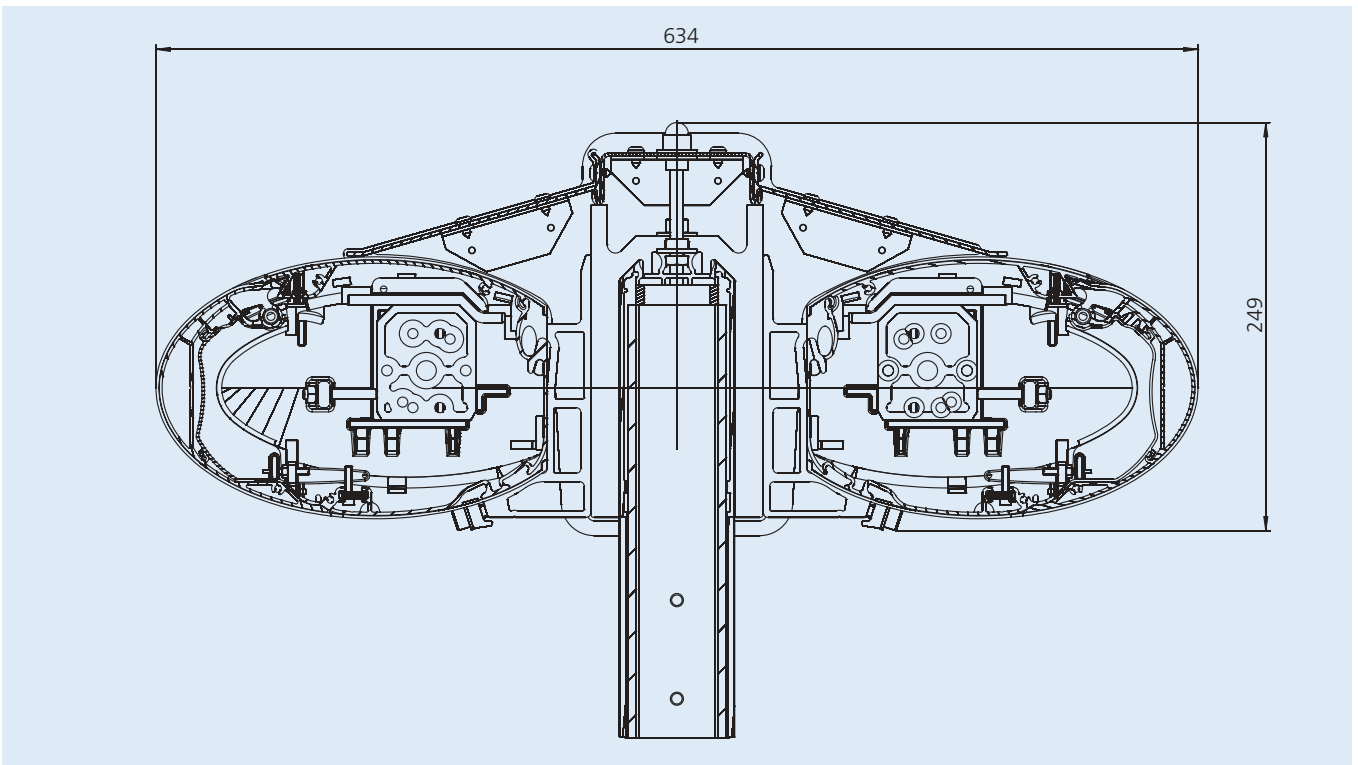
Recommended description of operation:

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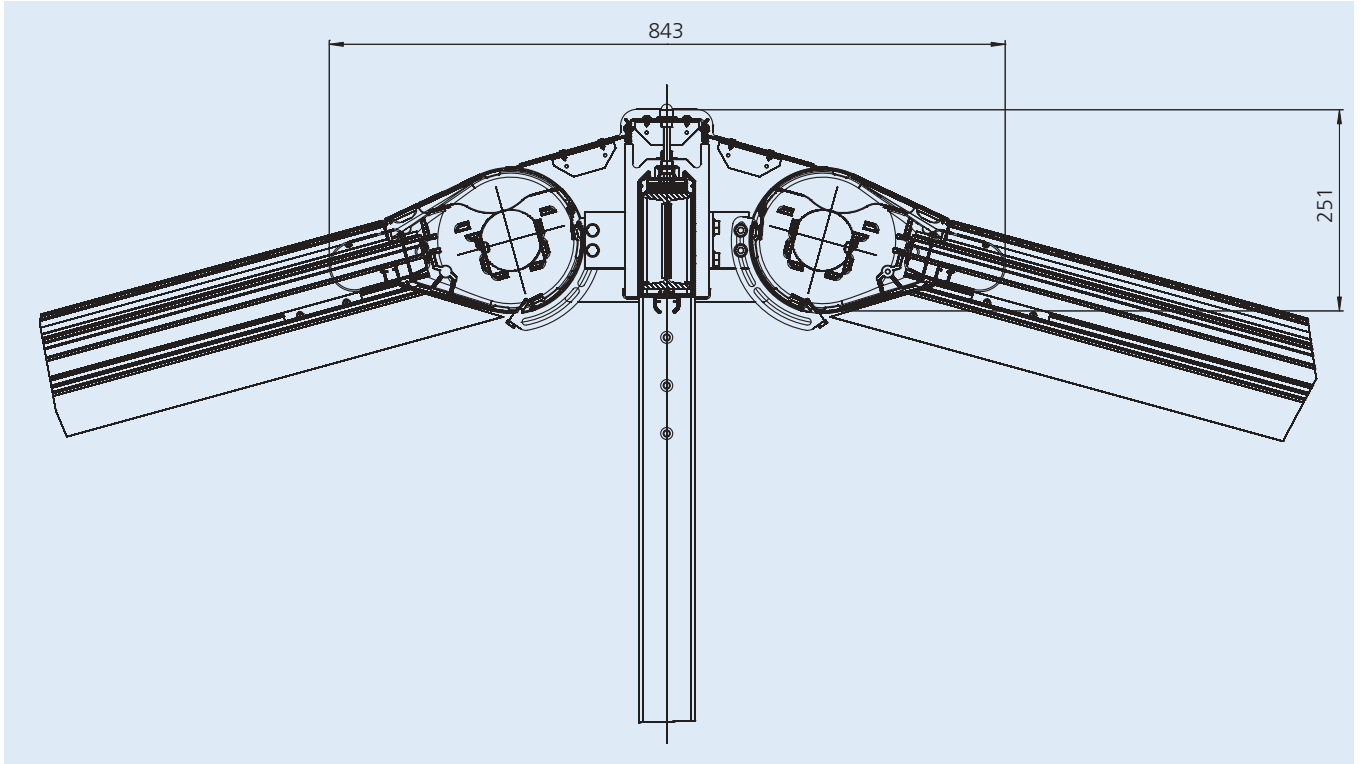
Cross-sectional view of Duofix with Topas with hood – not to scale



Cross-sectional view of Duofix with Opal Design – not to scale

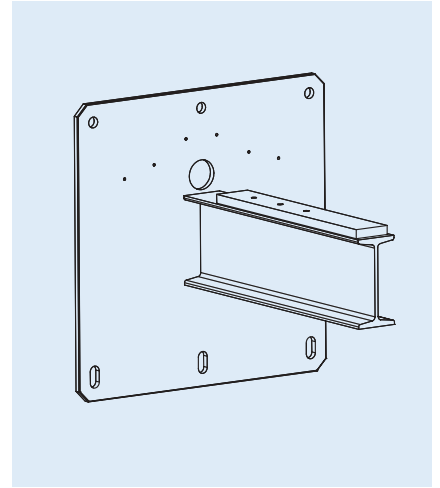
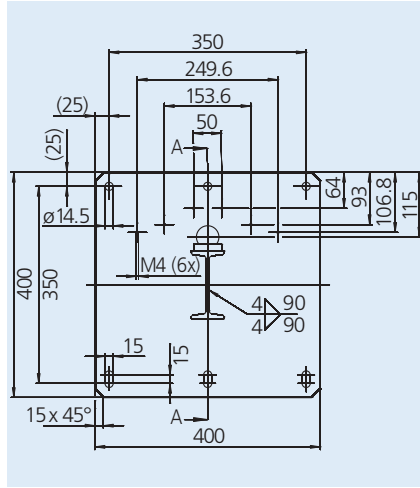
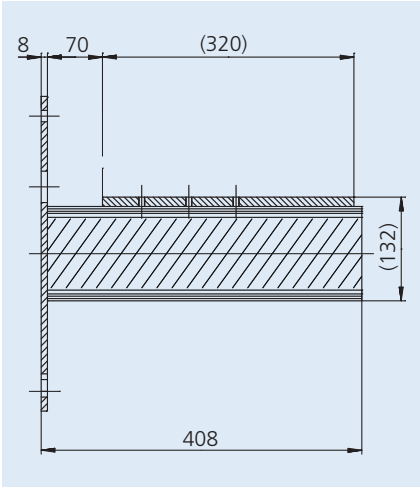


Cross-sectional view of Duofix with Plaza Pro – not to scale

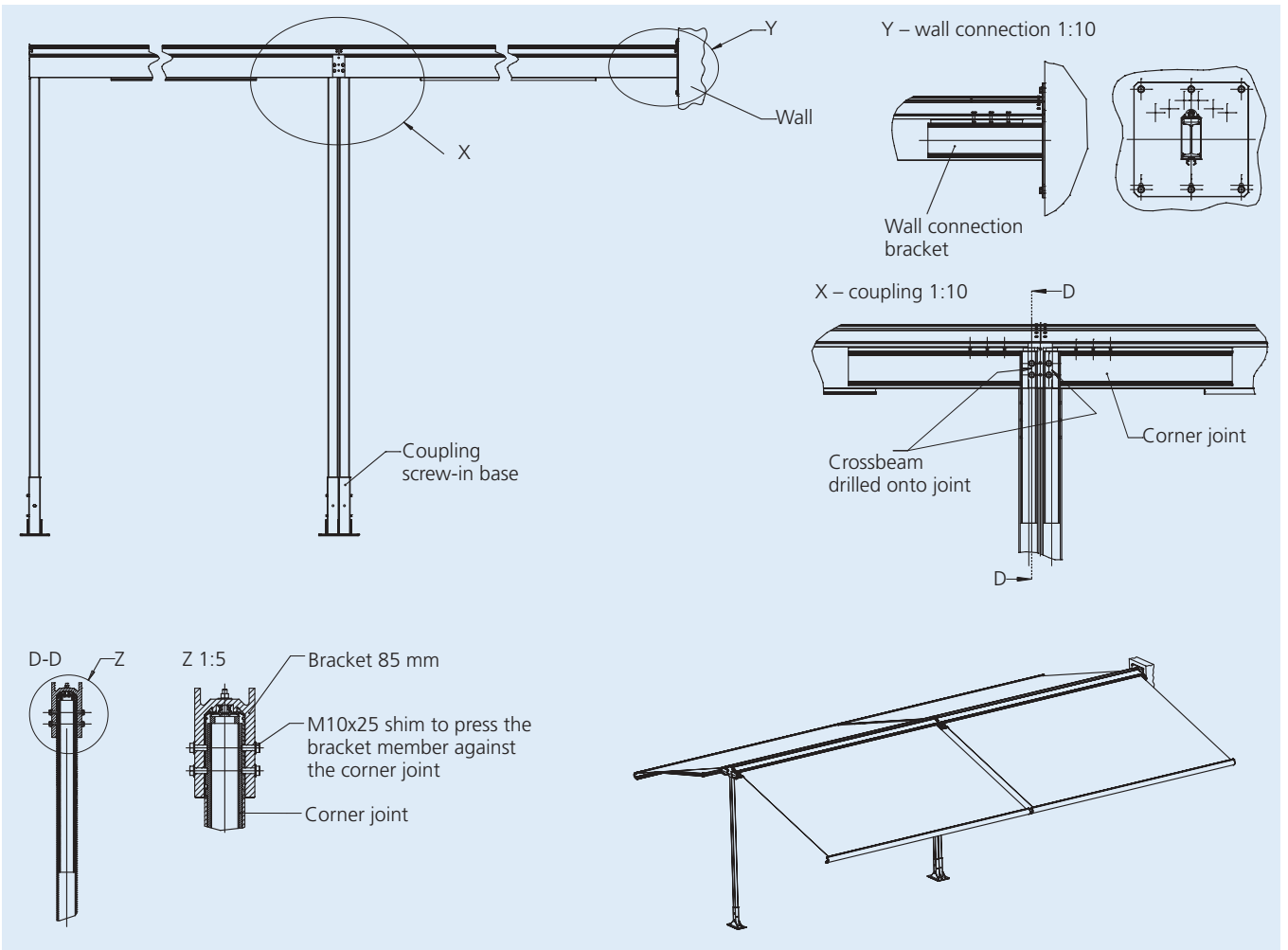


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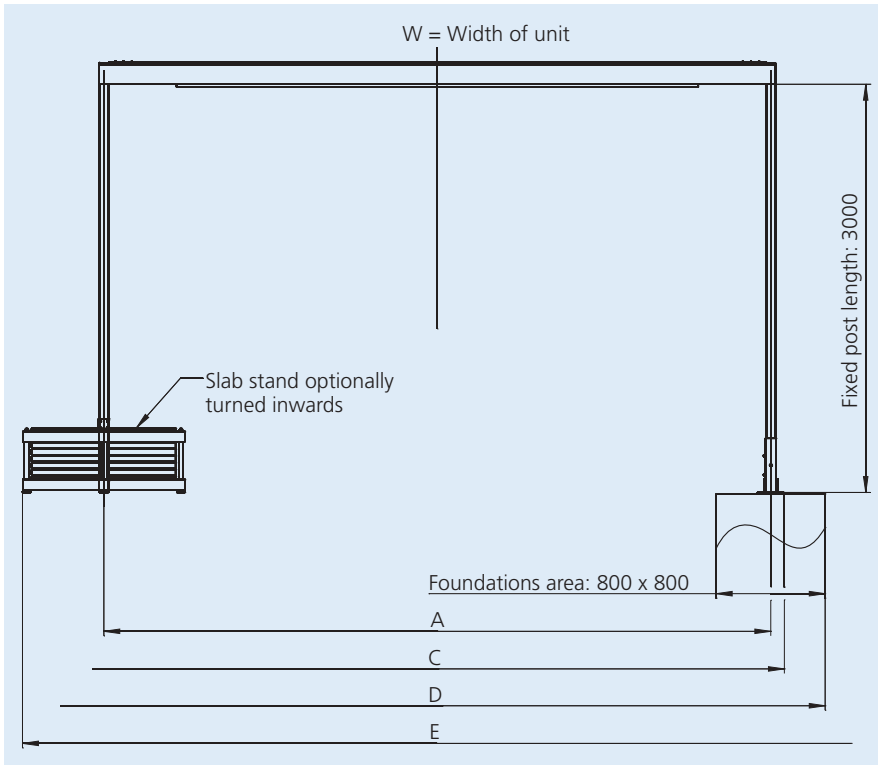
Wall connection








Coupling the wall connection as a multi-section unit



Substruction dimensions



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Fig.	Name	Dimensions in mm
	Dimensions between centre lines A	W - 100
	Width C with screw-in base on both sides	A + 200
	Width D with foundations	A + 800
	Width E with slab stand (if mounted outwards) (not with coupled units)	A + 1200
	Post 70 x 70	3000
	Square pipe stabiliser 60 x 60	1500
	Universal rail	W - 1140

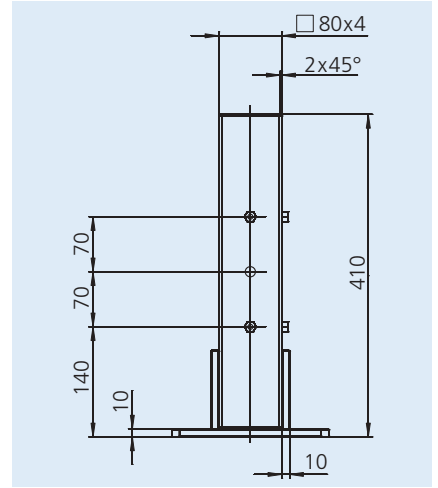
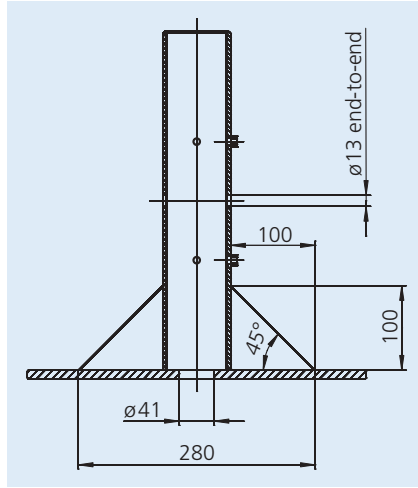
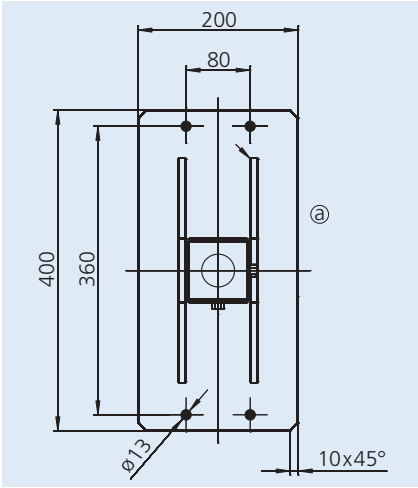
Set-up option:

Screw-in base

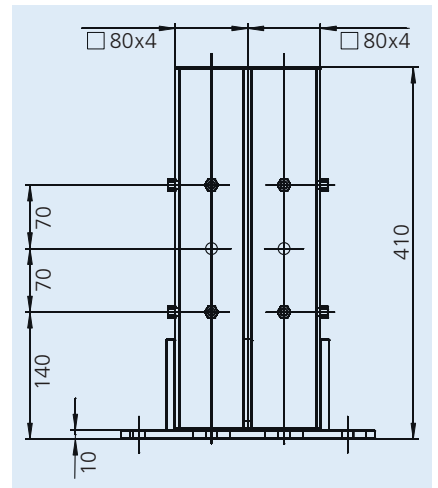
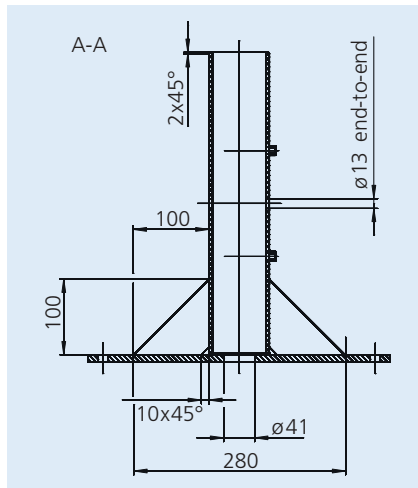
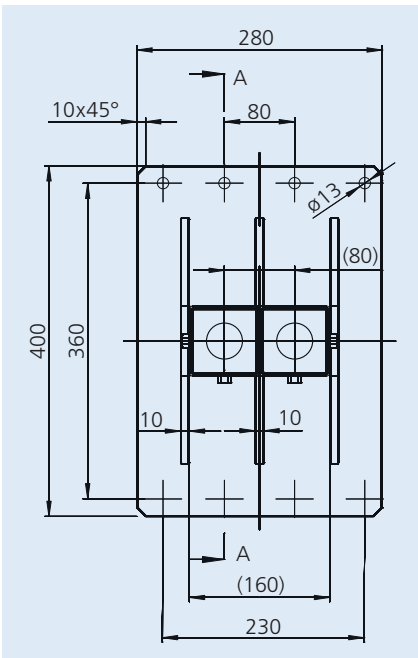
Here for an awning with a length of B = 5000 mm (distance between centre lines A = W - 100)



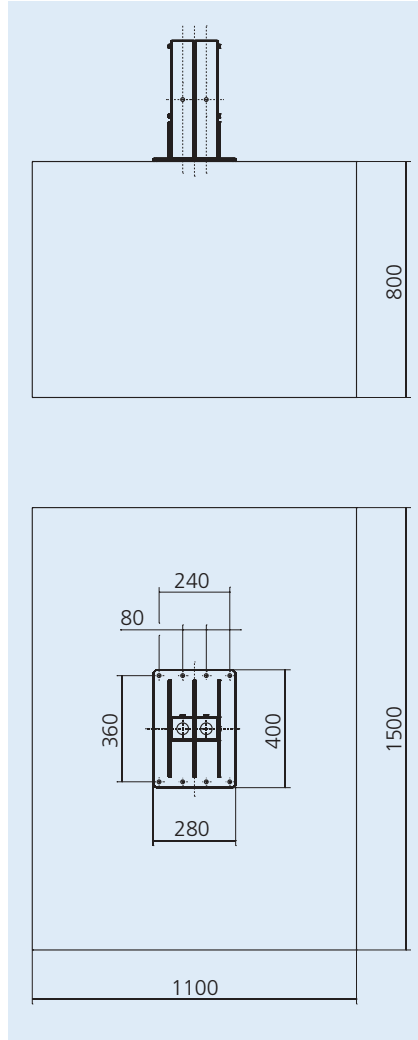
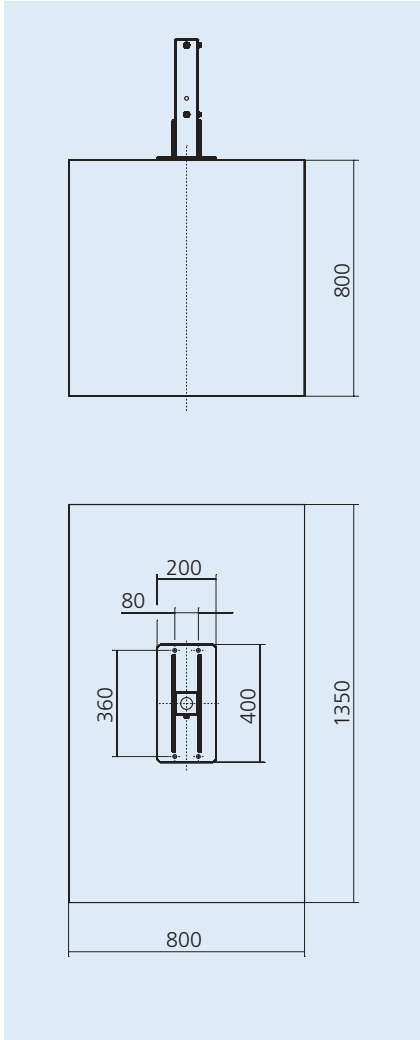
Screw-in base



Screw-in base, coupling



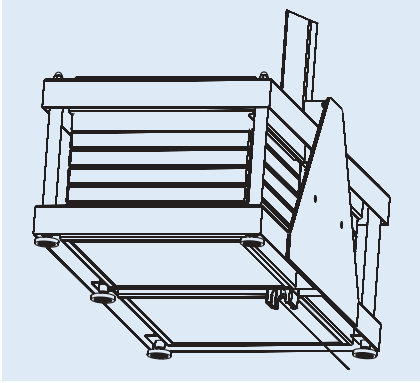
Foundation plans



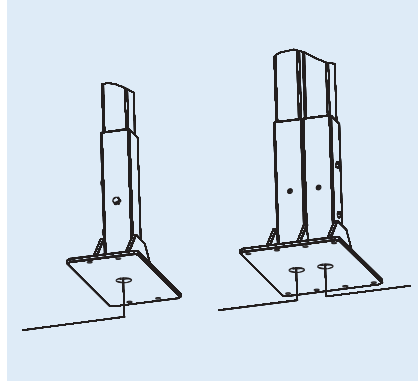
From a structural analysis point of view, the foundations do not have to be reinforced. Additional reinforcement is merely a design feature and not compulsory.

We recommend that you use AVM-BGZ-R (A4) 125 M12 concrete anchors supplied by the Atrion company to fasten the screw-in base. Alternatively, you could use similar products supplied by the Fischer company (Type FAZ) or HILTI concrete anchors.

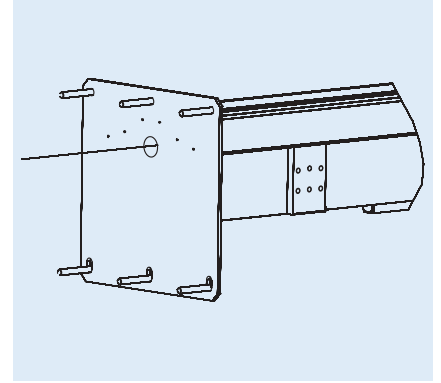
Feeders



On a slab stand, the cables can be led in from the side into the slotted square pipe post.

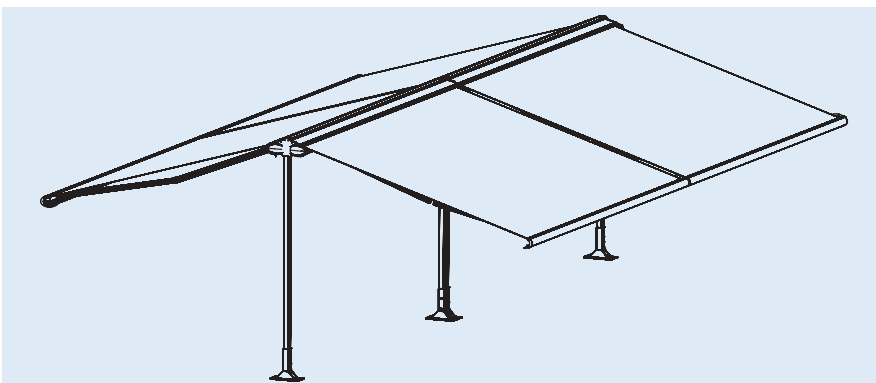
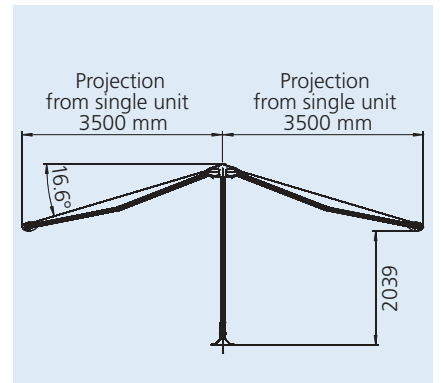
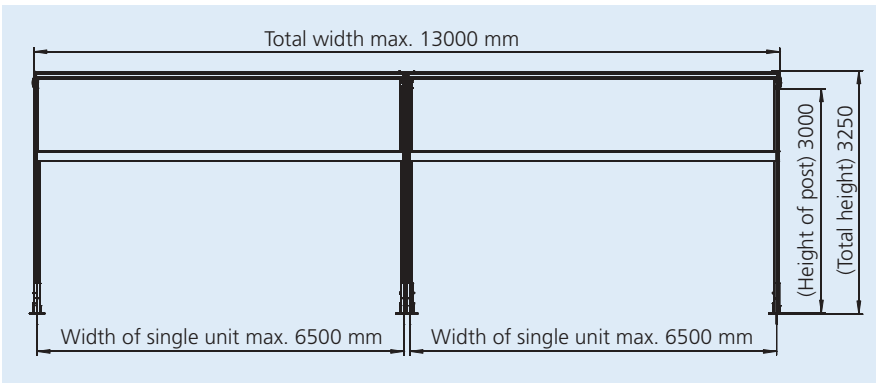


Screw-in bases are perforated underneath (\varnothing 40 mm). Cables can be run upwards through the foundations into the square pipe post.



The wall connection bracket comes supplied with a drilled hole (\varnothing 40 mm) above the cross-beam to house the electrical connections fitted on-site.

Multi-section units (max. 2, only on request)



Example: Duofix multi-section unit with Opal Design. Coupled units are always delivered with screw-in bases. Two identical awning units must be mounted to one duofix unit. Width of the units may vary.