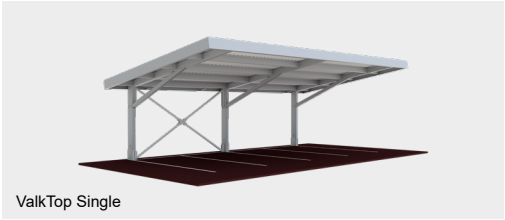
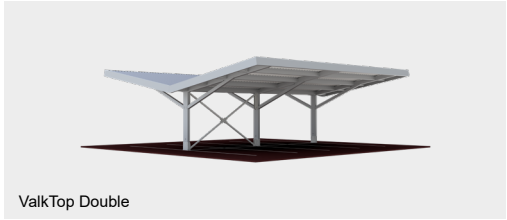

ValkTop Single


ValkTop Double

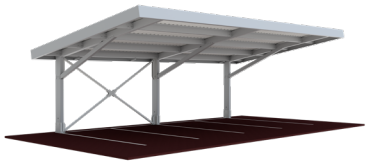
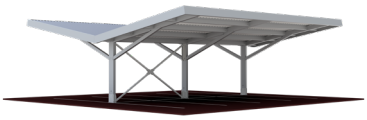
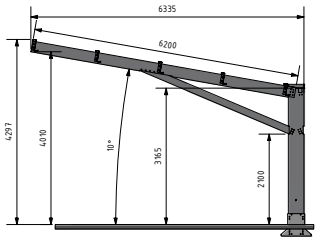
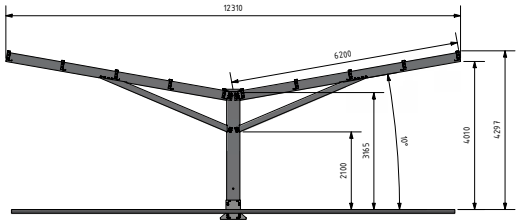
Datasheet ValkTop

The concept

A modular carport system supplied with the mounting system for trapezoidal roofs. For multi-purpose use of parking lots.

Technical specifications

- Suitable for standard panel sizes on a 10° roof pitch.
- Built up using 7 standard components for efficient installation.
- Integrated system adjustability of 80 mm per two parking bays.
- Corrosion-resistant components made of XCarb® sustainable steel for minimal carbon footprint.
- Applicable to all standard foundation methods.

ValkTop Single		ValkTop Double	
			
			
Min. clearance	2.1 meter	Min. clearance	2.1 meter
Max. clearance	4.0 meter	Max. clearance	4.0 meter
Roof length	6.0 meter	Roof length	6.0 meter
Parking space width	2.5 meter	Parking space width	2.5 meter
Total weight (P = 4)	2082.99 kg	Total weight (P = 8)	3487.60 kg

Design criteria

- Consequence class: CC1
- Wind loadings: 29.5 m/s (The Netherlands)
- Snow loadings: 0.7 kN/m2 (The Netherlands)
- Material: Magnelis® steel

System characteristics

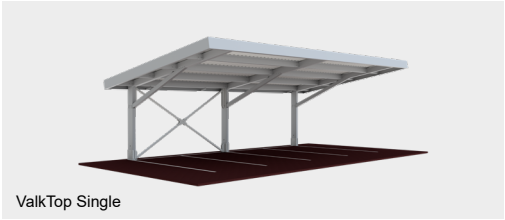
- Quick and easy installation of system due to standard dimensions and components.
- Supplied with steel trapezoidal roof panels, mounting system for solar panels, gutters for rainwater drainage and aesthetic frame.
- 5 rows of panels in landscape orientation per roof deck (at a panel width of panel width of 1134 mm).
- Equipped with 0.55 mm thick steel trapezoidal roof panels.

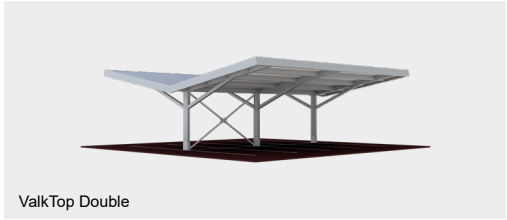
Van der Valk Solar Systems B.V.
+31 174 25 49 99
sales@valksolarsystems.nl

Valk Solar Systems UK Ltd
+44 1304 89 76 58
sales@valksolarsystems.co.uk

Valk Solar Systems Ibérica SL
+34 910 787 616
ventas@valksolarsystems.es

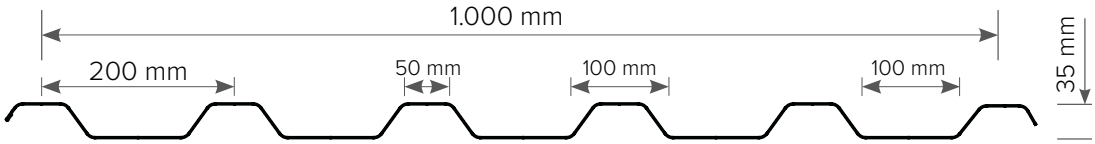
Valk Solar Systems Nordics AB
+46 8 55 82 86 26
sales@valksolarsystems.se


ValkTop Single


ValkTop Double

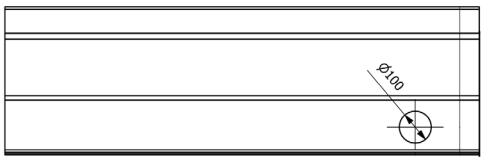
Datasheet ValkTop

Technical data for steel roof panels

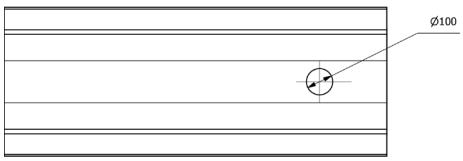


Technical data for gutters

- The round holes in the gutter sections of the ValkTop Single and ValkTop Double have a diameter of 100 mm.



ValkTop - Gutter Single - End with hole



ValkTop - Gutter Double - End with hole

Foundations

- Full reports for reactional forces can be provided on request.
- Soil investigations are a requirement to determine the soil composition and structure.
- Final foundation design is the responsibility of the client and geotechnical specialist.

Refer to the data below for an estimate of the reactional forces for foundation works:

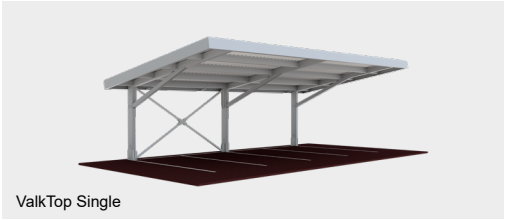
		Reactional forces			
		Max. pressure (kN)	Max. pull (kN)	Max. hor. (kN)	Max. moment (kN)
Windspeed 29,5, country	Double	76.82	58.35	12.51	162.79
Windspeed 29,5, country	Single	39.23	29.11	12.64	139.76
Windspeed 27, country	Double	76.71	44.23	10.61	133.87
Windspeed 27, country	Single	39.23	21.86	10.49	111.53
Windspeed 24,5, country	Double	76.71	44.23	10.61	108.45
Windspeed 24,5, country	Single	39.23	15.07	8.55	111.53

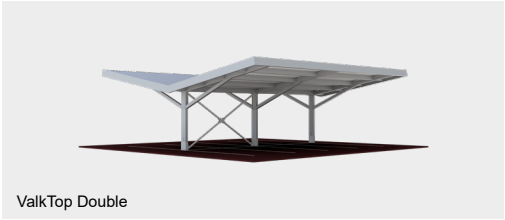
Van der Valk Solar Systems B.V.
+31 174 25 49 99
sales@valksolarsystems.nl

Valk Solar Systems UK Ltd
+44 1304 89 76 58
sales@valksolarsystems.co.uk

Valk Solar Systems Ibérica SL
+34 910 787 616
ventas@valksolarsystems.es

Valk Solar Systems Nordics AB
+46 8 55 82 86 26
sales@valksolarsystems.se


ValkTop Single

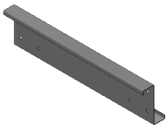

ValkTop Double

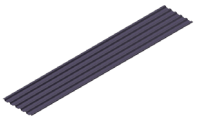
Datasheet ValkTop

Article information

Article number	791000	790000
Description	ValkTop – Foundation base plate	ValkTop – Column L=3410 mm
Image		
Weight [Kg]	19.436	153.222

Article number	790010	790020
Description	ValkTop – Brace L=3910 mm	ValkTop – Rafter L=6200 mm
Image		
Weight [Kg]	52.321	112.420

Article number	790030	790031
Description	ValkTop – Saddle Z-purlin	ValkTop – Z-purlin L=4855 mm
Image		
Weight [Kg]	4.665	49.841

Article number	790032	790050
Description	ValkTop – Z-purlin L=955 mm	ValkTop – Trapezoidal roof sheet L=6000 mm
Image		
Weight [Kg]	10.210	34.200

Calculations

Projects for the ValkTop carport system are calculated with the help of our project team according to the applicable standards and Eurocodes. For more information, please contact Van der Valk Solar Systems.

Van der Valk Solar Systems B.V.
+31 174 25 49 99
sales@valksolarsystems.nl

Valk Solar Systems UK Ltd
+44 1304 89 76 58
sales@valksolarsystems.co.uk

Valk Solar Systems Ibérica SL
+34 910 787 616
ventas@valksolarsystems.es

Valk Solar Systems Nordics AB
+46 8 55 82 86 26
sales@valksolarsystems.se