

Product information

Description

PV Mounting system for flat roofs

ConSole mounting systems are the ideal solution for installing PV modules quickly and cost-effectively on flat roofs. The ConSole system also withstands high wind loads thanks to the simple and customized weighting down approach using ballast such as gravel, footway flagstones or similar materials.

The respective ballast weight depends on the building height, the location, the local wind conditions and snow loads, as well as the state of the foundations.

The ConSole can be installed on flat roofs with a light pitch of max. 5° and on the ground.

Large air slots on the perimeter of the ConSole allow optimal air ventilation of the modules.

The new ConSole+ with improved aerodynamic design and lower pitch requires a lower ballast.

When the optional Streamliner+ is mounted at the back of the ConSole+ most exposed to the wind, the ballast level can even be more reduced.

Optimal load distribution avoids any concentrated loads on the roof surface and no roof penetration nor modification is required.

The lower pitch of 15° of the ConSole+ allows a reduced distance between rows.

A new ConSole Clip and self-drilling screws are making the mounting of modules on any ConSole faster and easier.



ConSole+ with Streamliner+

Technical specifications



	ConSole 4.1	ConSole 4.2	ConSole 5.2	ConSole 6.2	ConSole+
General					
System	mounting system for flat roofs, with ballast, no roof penetration				
Building type	industrial, agricultural, residential, ground, max. 5° pitch				
Flat roof type	bitumen roof, concrete roof, gravel roof				
Material	tub: HDPE; rails: aluminium; fastening: stainless steel				
Module pitch	25°	25°	25°	25°	15°
Own weight (kg, approx.)	5,1	5,1	6,7	7,2	7,9
Width (mm, approx.)	1670	1250	1510	1730	1730
Depth (mm, approx.)	790	980	1000	980	1055
Height (mm, approx.)	445	560	540	540	390
Gap between ConSole rows (m)	> 1,2	> 1,5	> 1,5	> 1,5	0,4 to 1,2
Ambient temperature range	-30°C bis +50°C				
Snow load on module (Pa, max.)	5400				
Module					
Compatibility	framed PV module, IEC61215/61646 and IEC61730, with mounting holes in frame				
Orientation	landscape				
Length (mm)	1485-1910	1140-1490	1340-1750	1580-1970	1580-1730
Holes gap - width (mm)	661-780	895-1014	895-1014	895-1014	895-1014
(* with elongation rails, optional)	781-850*	1015-1085*	1015-1085*	1015-1085*	1015-1085*
Holes gap - length (mm)	500-1080	570-710	520-1190	690-1180	690-1180
Tests & certifications					
Wind resistance	Acc. Eurocode 1 "Impact on structures" EN 1991-1-4:2005 + nat. annexes				
TÜV (Germany)	yes	yes	yes	yes	in preparation
Content 1 SET					
ConSole tub	1x	1x	1x	1x	1x
U-profile aluminium 800mm	2x	-	-	-	-
U-profile aluminium 1035mm	-	2x	2x	2x	2x
Fastening profiles - module	M6	M6	M6	M6	M6
Fastening profiles - ConSole	Clips	Clips	Clips	Clips	Clips
Article-Nr. ConSole					
Pack 1 SET	520041-K	520042-K	520052-K	520062-K	520075-K
Pack 80 SETS	570041-K	570042-K	570052-K	570062-K	570075-K
Article-Nr. optional components					
Elongation rails set	460001 (for 1 CS), 460154 (for 10 CS), 460155 (for 80CS)				-
ConSole Clips (w/ Self-drilling screws)	920106 (for 1 CS/CS+), 940106 (for 10 CS/CS+), 960106 (for 40 CS/CS+)				
Streamliner+ (w/ Self-drilling screws)					520076 (1x) 560076 (40x)
Services					
Product warranty	10 years				
Dimensioning	online ("Web Configurator")				
Support	telephone, online, on site				