

**sflex system brochure**  
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Are you interested or do you have more questions about our products?

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Systems 2026

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## Grounding components

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<h1>System overview</h1> <p>Find the right solution for every project</p>	Application						Roof coverings, Substrates (A-Z)															Clamping Zones															
	Pitched Roof	Flat Roof	Facade	Open Ground	Carport	Balcony	Bitumen	Brickwork	Concrete	Corrugated Sheet	Corrugated Fibre Cement	Foil	Gravel	Green Roof	Industrial Metal System Roofs	Infill Bars	Noise Barrier Wall	Pan Sheet	Plain tiles	Rear-ventilated facade	Roof Tiles	Sandwich Roofing	Seam Roofing	Slate	Soil	Thermal Insulation system	Trapezoidal Sheet	Trapezoidal Sheet Curved	Long Side	Short Side	Edge	Insertion					
sflex els	●		●					●	●	●							●			●	●		●			●	●			●	●			●			
sflex roof hooks	●																		●		●	●			●					●	●						
sflex standing seam clamps	●																						○					●			●	●					
sflex high-bead rail hk 125 / 172	●																						○					●			●	●					
sflex high-bead rail hk 125 xl 50 / 100	●																						○					●			●	●					
sflex bracket for sheet metal	●																						○					●			●	●					
sflex high-bead rail lift	●																											●			●	●					
sflex trapezoidal sheet metal rail lift/vario	●																●											●	●		●	●					
sflex trapezoidal sheet metal rail	●									●													○					●			●	●					
sflex hanger bolts & solar fasteners	●									●	●												●					●			●	●					
sflex flat direct	●						●					●											●							●	●						
sflex triangle delta	●	●					●		●	●	●	●	●	●									●					●			●	●					
sflex leichtmount rail 2.1 s		●					●		●			●	●																		●	●					
sflex leichtmount rail 2.1 ew		●					●		●			●	●																		●	●					
sflex leichtmount cf s		●					●		●			●	●																			●	●				
sflex leichtmount cf ew		●					●		●			●	●																				●	●			
sflex greenlight		●							●				●												●						●	●					
sflex greenlight on top		●							●				●												●						●	●					
sflex leichtmount snap		●					●		●			●	●																		●	●					
sflex delta concrete		●		●					●																						●	●					
sflex groundmount box				●					●				●													●					●	●					
sflex leichtmount g s				●					●				●													●						●	●				
sflex leichtmount g ew				●					●				●												●							●	●				
sflex carport					●				●																						●	●					
sflex balcony set						●										●															●	●					

○ prior authorization of the manufacturer to mount onto the cover shell necessary

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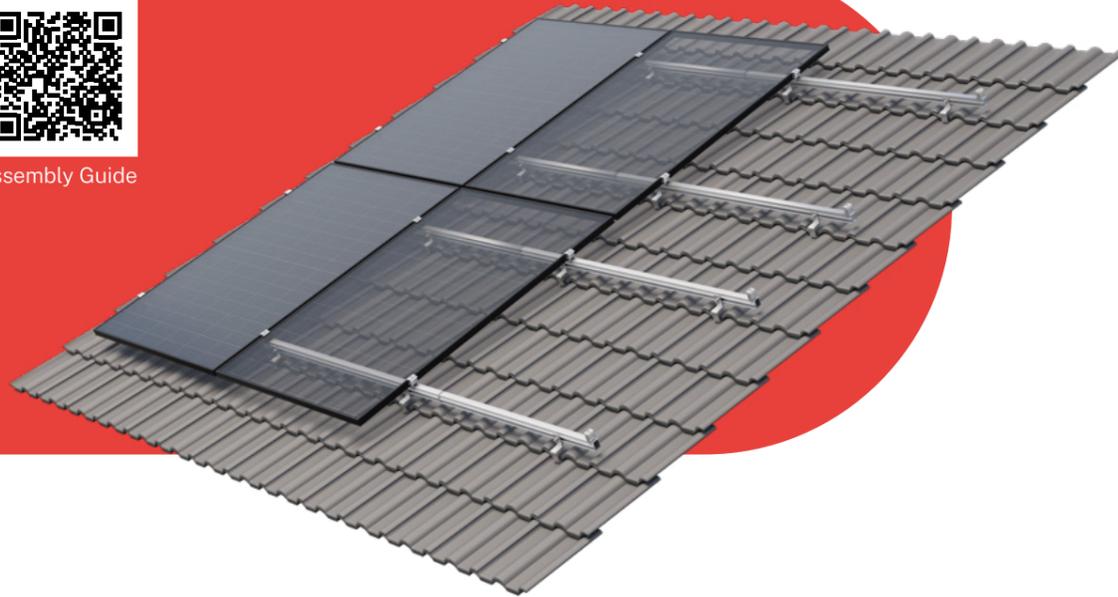
# Pitched roof

# sflex roof hooks

For tiled roofs of all kind



Assembly Guide



**Application:**  
Pitched roof with tiles (e.g. roof tiles, interlocking tiles)

**Fastening:**  
Roof hook on rafters (min. rafter width 36 mm)

**Roof pitch:**  
Up to 75°

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Single layer / double layer

**Benefits:**

- Every size of module array possible
- Height compensation: 40–58 mm in the batten zone / 21 mm in the rail zone
- For all common rafter distances

Now available: cost-effective and aesthetic black rail end cap for the ST-AK 5/40

## Exemplary components

	Rail ST-AK
	Splice
	End clamp AK
	Mid clamp AK
	Roof hook aluminium series

New

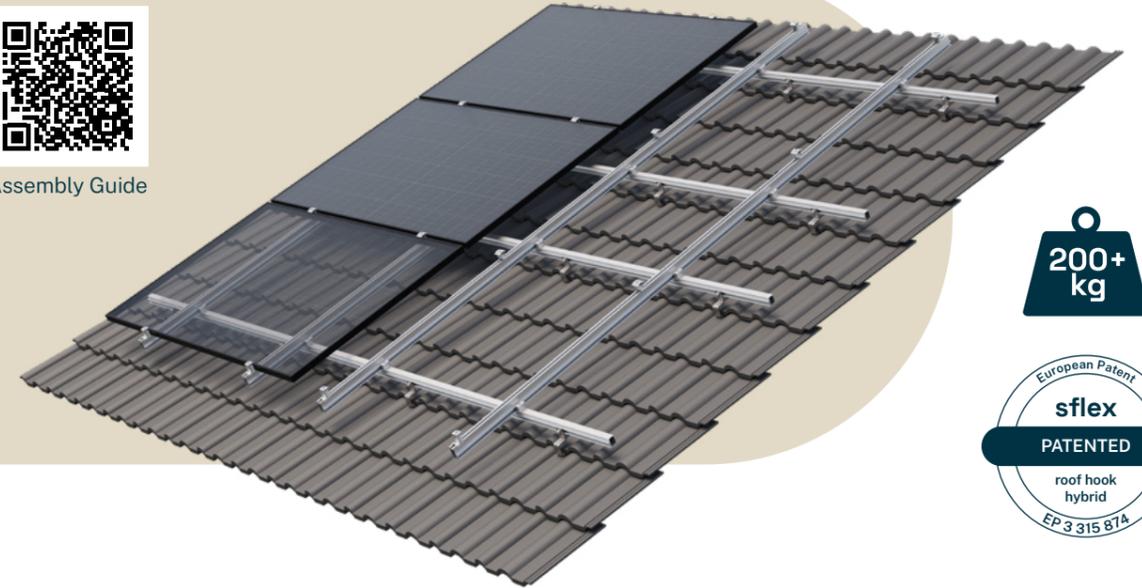


# sflex roof hooks hybrid / xl

For large tiles and high loads



Assembly Guide



**Application:**  
Pitched roof with tiles (e.g. roof tiles, interlocking tiles)

**Fastening:**  
Roof hook on rafters (min. rafter width 45 mm)

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Single layer / double layer

**Benefits:**

- Suitable for particularly high loads
- Also available as XL version for large-format tiles
- Use of metal roof tiles provides additional protection for the roof covering
- Every size of module array possible
- Height compensation in the batten zone: 46–61 mm (DH Hybrid) / 56–72 mm (DH Hybrid XL)
- For all common rafter distances

## Exemplary components

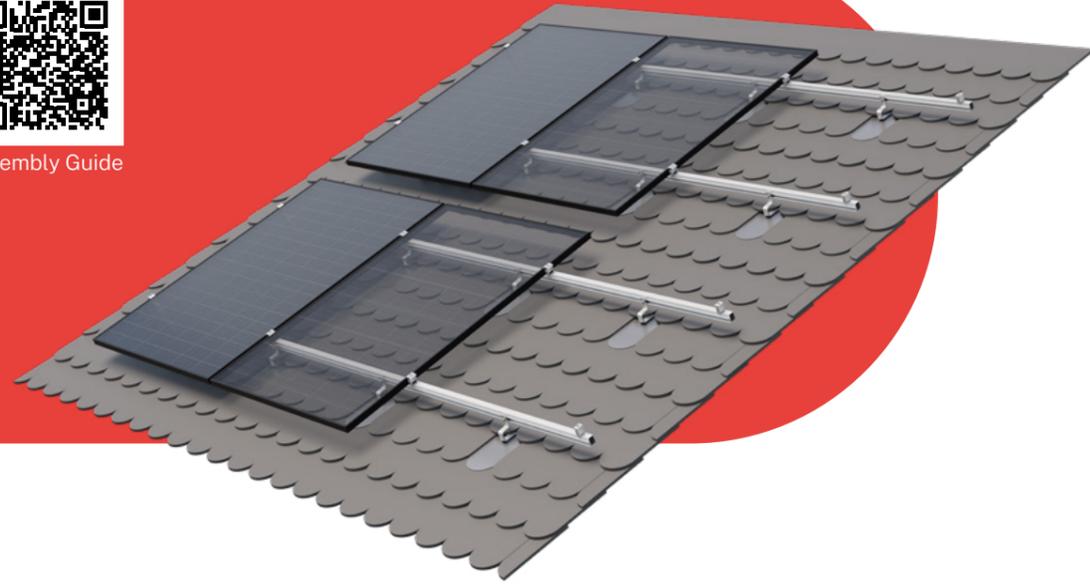
	Rail ST-AK
	Splice
	End clamp AK
	Mid clamp AK
	Roof hook hybrid (XL)
	Metal roof tile e.g. concrete type

# sflex roof hooks plain tile

For pitched roofs with plain tile covering



Assembly Guide



**Application:**  
Pitched roof with plain tiles

**Fastening:**  
Roof hook on rafters (min. rafter width 48 mm) with matching metal roof tile

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

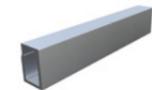
**Mounting method:**  
Single layer / double layer

- Benefits:**
- Every size of module array possible
  - Height-adjustable fastening of the system supports to the roof hooks enables level module installation
  - Installation from a rafter width of 48 mm possible
  - Components made of weather-resistant aluminium and stainless steel
  - Structural design by our team includes the structural analysis as well as the mounting rail-and fastener plan

## Exemplary components



Rail ST-AK



Splice



End clamp AK



Mid clamp AK



Roof hook plain tile



Metal roof tile type  
„Biber Vario“ zinc plated

# sflex planning tool

# because you can plan with us

Plan for free, without obligation and without detours. From the initial design to the exact parts list, everything directly in your browser.

No fee.  
No subscription.



Start planning!

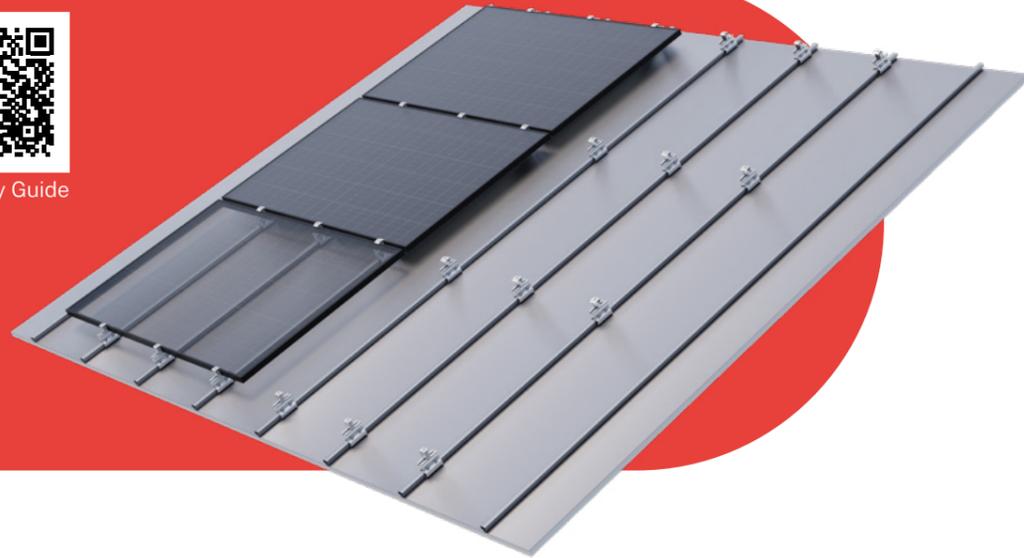


# sflex standing seam clamps

For pitched roofs with standing seam sheet metal covering or metal system roofs



Assembly Guide



## Application:

- Standing seam clamp 2.1: Seamed roofing, e.g. standing seam, round seam, angle seam
- Standing seam clamp DCO und CL: Industrial metal roof systems, e.g. Domitec/GBS, Klip-Lok 700, RibRoof 465

## Fastening:

Non-penetrative

## Roof Pitch:

Up to 75°

## Module type:

Framed modules

## Module orientation:

Portrait / landscape (for clamping on the short side)

## Mounting method:

Direct clamping

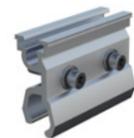
## Benefits:

- Modules mounted directly to the standing seam clamps
- No rails necessary
- Low material/logistics/installation costs
- Quick mounting

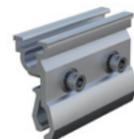
## Exemplary components



Standing seam clamp 2.1



Standing seam clamp CL



Standing seam clamp DCO



End clamp AK



Mid clamp AK

# sflex standing seam clamp and rails

For pitched roofs with standing seam sheet metal covering or metal system roofs



Assembly Guide



## Application:

- Standing seam clamp 2.1: Seamed roofing, e.g. standing seam, round seam, angle seam
- Standing seam clamp DCO und CL: Industrial metal roof systems, e.g. Domitec/GBS, Klip-Lok 700, RibRoof 465

## Fastening:

Non-penetrative

## Roof Pitch:

Up to 75°

## Module type:

Framed modules

## Module orientation:

Portrait / landscape (for clamping on the short side)

## Mounting method:

Single layer

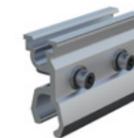
## Benefits:

- Low material / installation costs
- Length of rails 3150 mm to 6200 mm
- High rigidity rails suitable for heavier loads
- No roof penetration

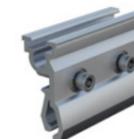
## Exemplary components



Standing seam clamp 2.1



Standing seam clamp CL



Standing seam clamp DCO



Cross adapter clamp AK



Rail ST-AK

# sflex high-bead rail hk 125/172

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal sheet

**Fastening:**  
Screwed onto raised corrugations

**Roof Pitch:**  
Up to 75°

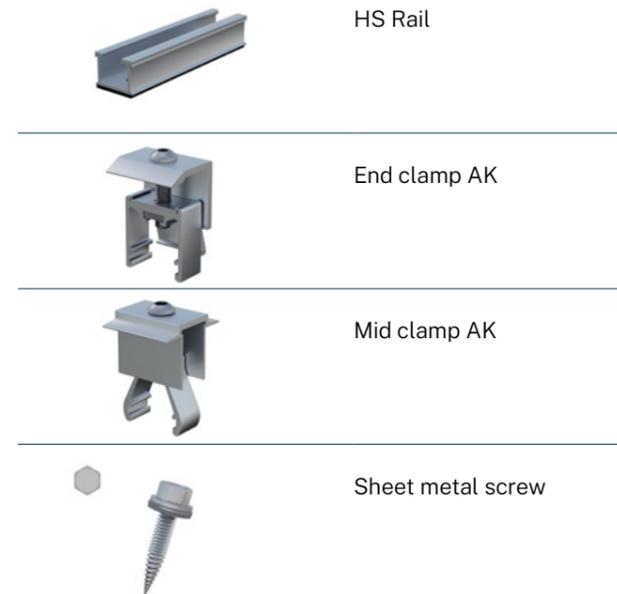
**Module type:**  
Framed modules

**Module orientation:**  
Landscape

**Mounting method:**  
Direct clamping

- Benefits:**
- Low material / fitting costs
  - 24 mm height provide better rear ventilation, simplify cable routing, enable installation even on slightly corrugated roof coverings and offer more space for power optimizers or micro-inverters
  - Rail lengths of 125 mm, 172 mm, 295 mm and 3300 mm
  - High-bead rails HS HK l=125 mm and l=172 mm are supplied pre-fabricated with EPDM sealing tape, the 125 mm rail with 2 x 2 pre-drilled holes (5 / 6 mm), the 172 mm rail with 2 x 4 pre-drilled holes (5 / 6 mm)

## Exemplary components

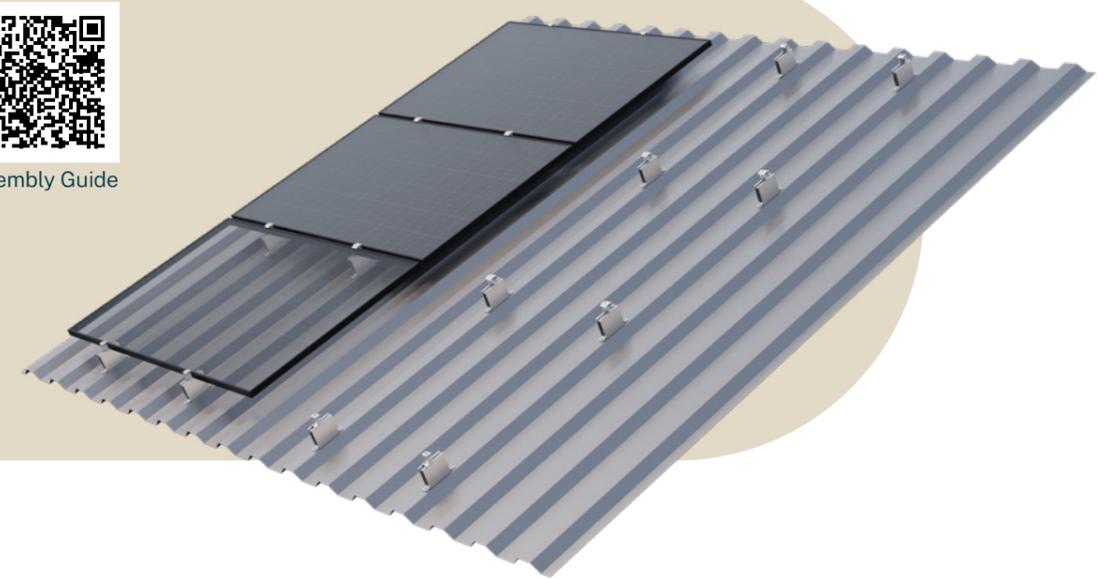


# sflex high-bead rail hk 125 xl 50/100

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal sheet

**Fastening:**  
Screwed or riveted onto raised corrugations

**Roof Pitch:**  
Up to 75°

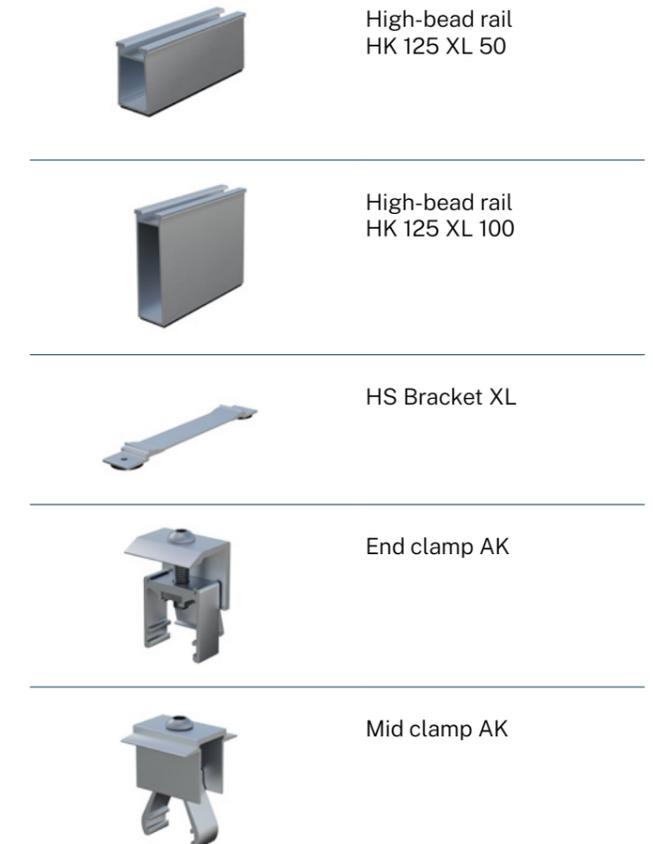
**Module type:**  
Framed modules

**Module Orientation:**  
Landscape

**Mounting method:**  
Direct clamping, floating mounting

- Benefits:**
- Low material / fitting costs
  - Rail heights of 50 or 100 mm guarantee a sufficient distance from the roof covering for optimal rear ventilation and use at high temperatures
  - Floating mounting with brackets reduces the number of expansion joints and enables optimal use of the roof area
  - High-bead rails covered with protective fleece
  - Brackets come pre-drilled and with EPDM sealing tape

## Exemplary components



# sflex bracket for sheet metal

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal sheet

**Fastening:**  
Riveted or screwed onto raised seams

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed modules und rahmenlose Module

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Single layer

- Benefits:**
- Low fitting costs
  - Every size of module array possible
  - Height adjustable via elongated hole in the sheet metal bracket
  - Sheet metal brackets are supplied prefabricated with 2 holes (5 mm) and EPDM sealing tape covered bottom side

## Exemplary components



Bracket for sheet metal installation



Rail ST-AK



End clamp AK



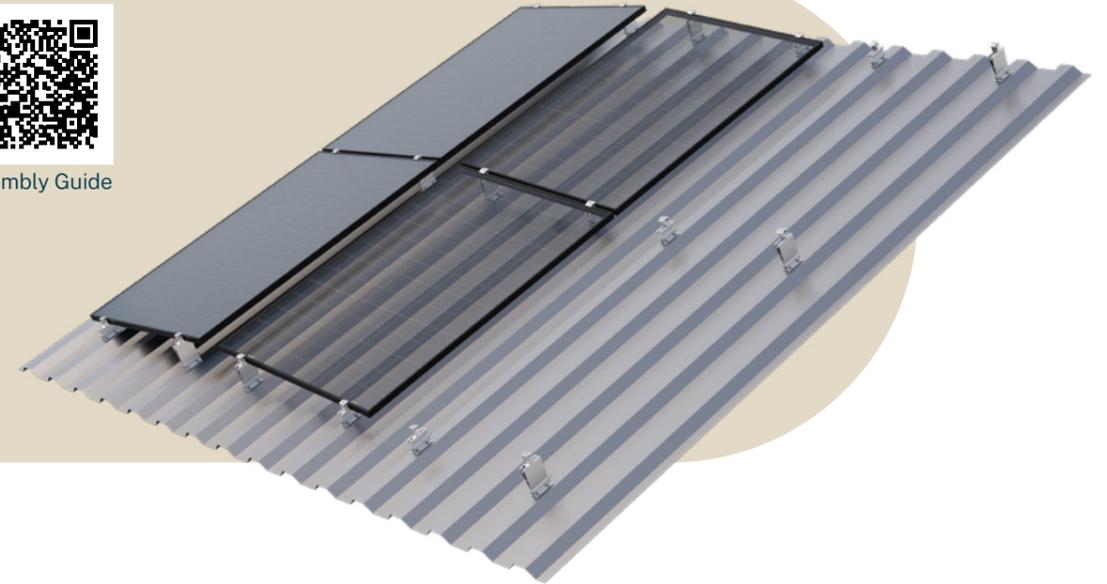
Mid clamp AK

# sflex high-bead rail lift

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal sheet

**Orientation:**  
South and East-West

**Fastening:**  
Screwed with sheet metal screws onto raised seams

**Roof Pitch:**  
Up to 20°

**Module type:**  
Framed modules

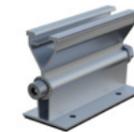
**Module orientation:**  
Portrait / landscape

**Module pitch:**  
5° with portrait installation  
7° with landscape installation

**Mounting method:**  
Direct clamping

- Benefits:**
- Low material and fitting costs
  - Optimised irradiation angles for higher yields
  - Better self-cleaning
  - Prefabricated with holes and EPDM sealing tape

## Exemplary components



Front rail with small adapter



Rear rail with large adapter



End clamp AK



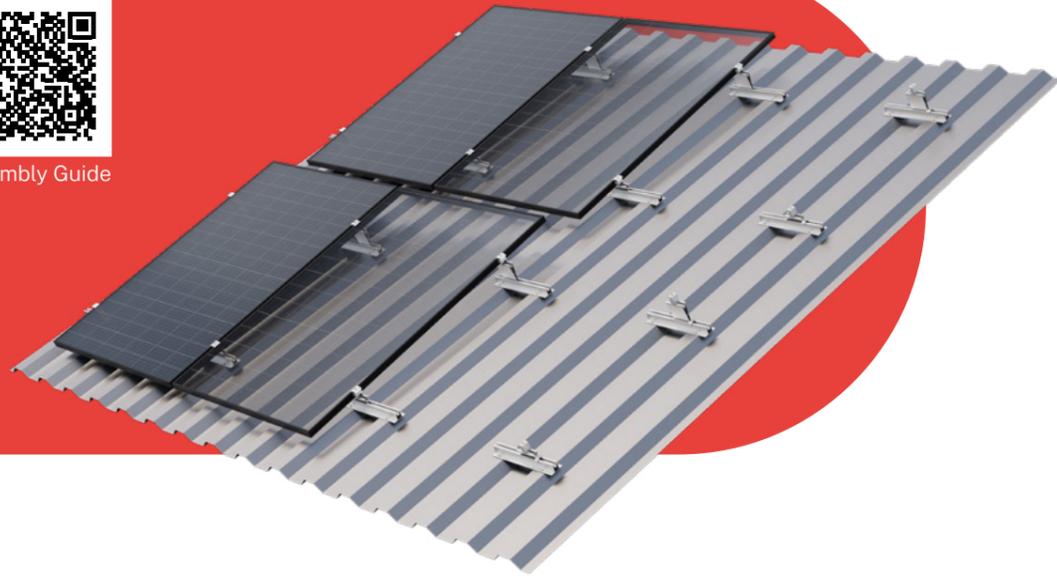
Mid clamp AK

# sflex trapezoidal sheet metal rail lift

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal sheet

**Fastening:**  
Riveted or screwed onto raised corrugations

**Roof Pitch:**  
Up to 15° with portrait installation,  
Up to 13° with landscape installation

**Module type:**  
Framed modules

**Module orientation:**  
Portrait / landscape

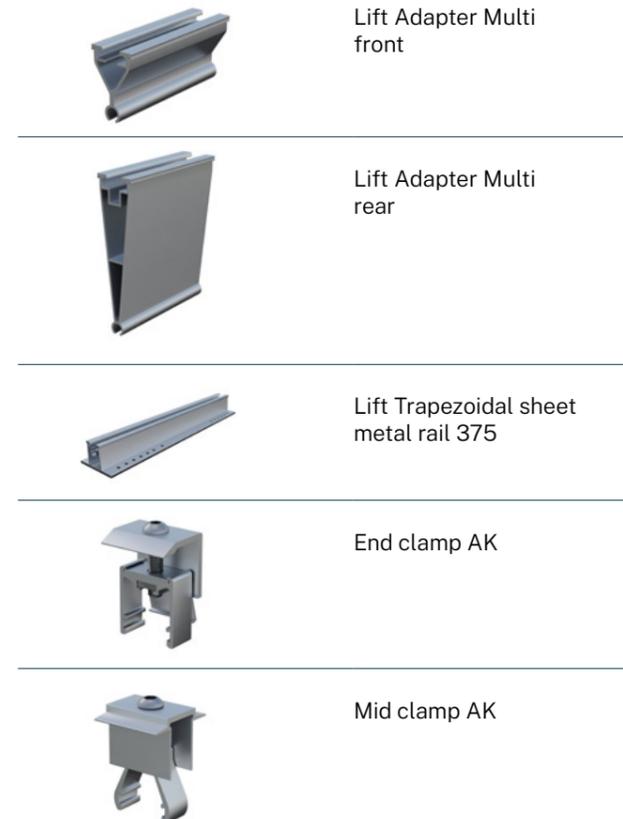
**Module pitch:**  
5° with portrait installation,  
7° with landscape installation

**Mounting method:**  
Direct clamping

**Benefits:**

- Additional raise on slightly inclined roofs
- Optimised rear ventilation and module pitch
- Optimised rear ventilation and module pitch
- Optimised rear ventilation and module pitch
- Trapezoidal sheet metal rail lift is supplied prefabricated with 26 holes (5 mm) and EPDM sealing tape covered bottom side

## Exemplary components

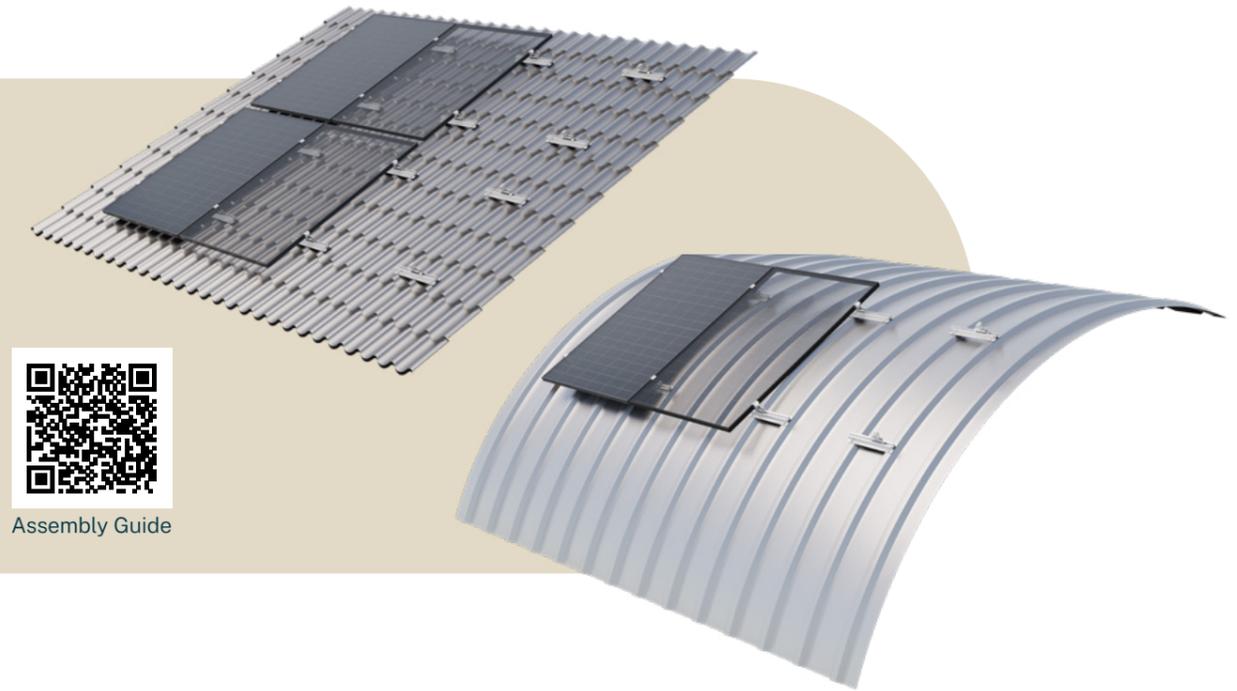


# sflex trapezoidal sheet metal rail vario

For pan sheet- and barrel roofs



Assembly Guide



**Application:**  
Curved pan-and trapezoidal sheet metal (barrel roofs with a radius larger than 3.5 m)

**Fastening:**  
Riveted or screwed onto raised seams

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed modules

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Direct clamping

**Benefits:**

- Tension-free installation on barrel roofs
- Tension-free installation on pan sheet roofs
- Perfectly adapted to the roof shape
- Trapezoidal sheet metal rail vario is supplied prefabricated with 26 holes (5 mm) and EPDM sealing tape

## Exemplary components



# sflex trapezoidal sheet metal rail

For trapezoidal sheet roofs



Assembly Guide



**Application:**  
Trapezoidal and corrugated sheet metal

**Fastening:**  
Screwed or riveted onto raised corrugations

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Direct clamping, single layer, optional double layer

**Benefits:**

- Low material / fitting costs
- Every size of module array possible
- High rigidity rails suitable for heavier loads
- Rail segments 395 mm (Trapezoidal sheet metal AK l=395 mm) are supplied prefabricated with 24 holes (5 mm) and EPDM sealing tape

## Exemplary components



Trapezoidal Sheet Metal Rail AK



Rail ST-AK



Cross Adapter Clamp AK



End clamp AK



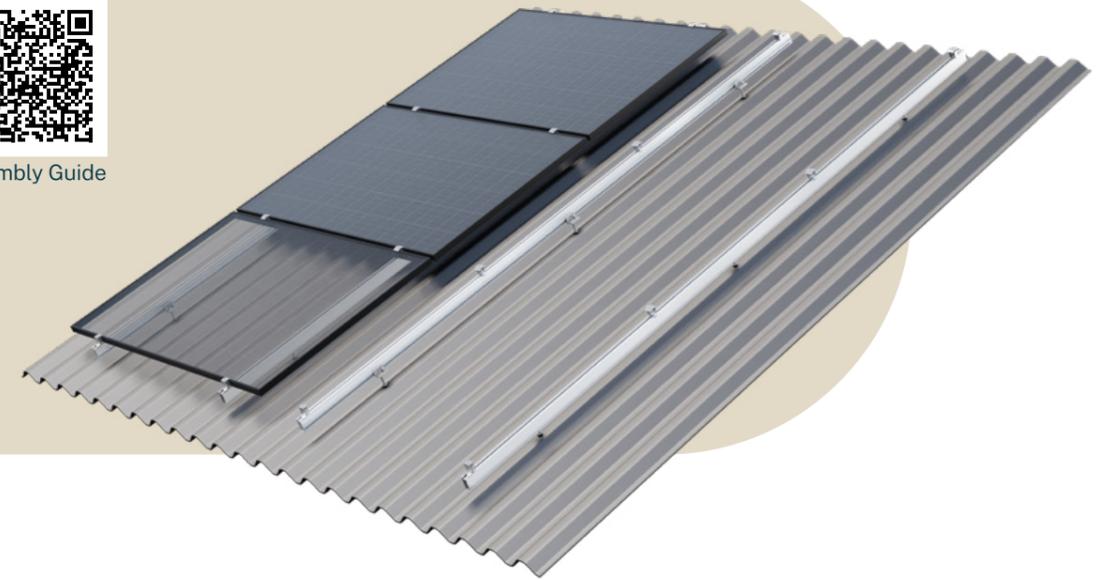
Mid clamp AK

# sflex hanger bolts & solar fasteners

For trapezoidal sheet-, corrugated fibre cement- and sandwich roofs



Assembly Guide



**Application:**  
Trapezoidal sheet metal-, corrugated fibre cement-, sandwich roofs

**Fastening:**  
Hanger bolts / solar fasteners with brackets

**Roof Pitch:**  
Up to 75°

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Mounting method:**  
Single layer, optional double layer

**Benefits:**

- Low fitting costs
- Height adjustable
- Suitable for large distances between rafters
- Solar fastener type A or hanger bolts for wood rafters / solar fastener type BZ for metal rafters

## Exemplary components



Rail ST-AK



End clamp AK



Mid clamp AK



Bracket 60mm



Solar fastener

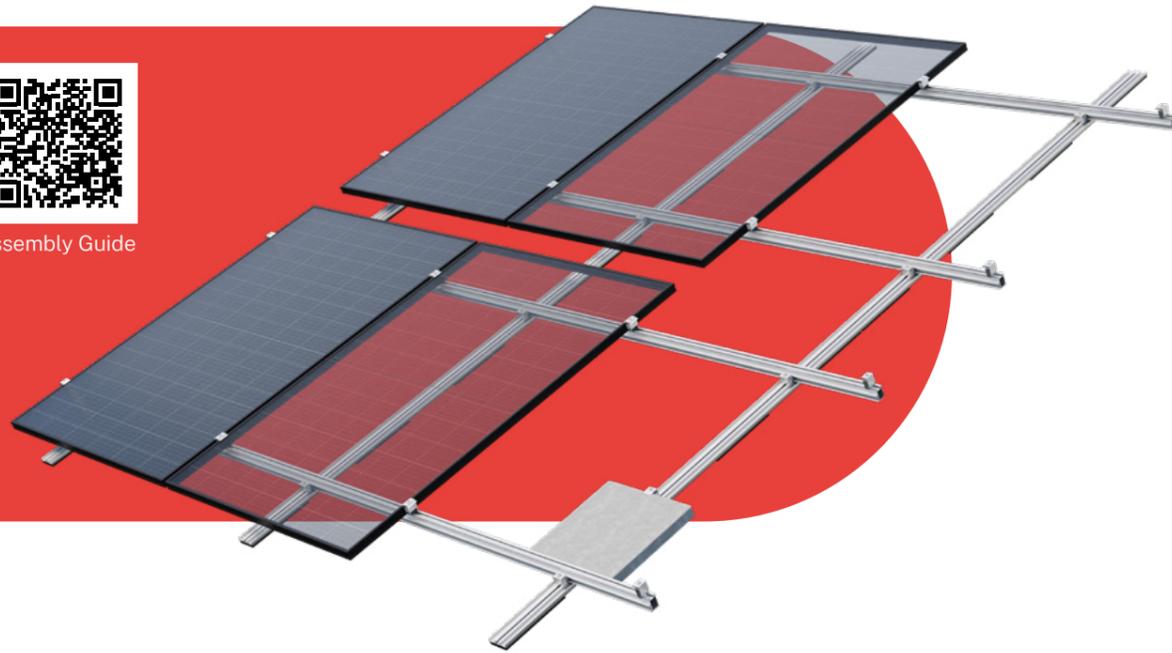
Hanger bolt

# sflex flat direct

For foil-, bitumen-, and sandwich roofs



Assembly Guide



**Application:**  
Pitched roofs with foil / bitumen roofing and sandwich elements; other roof types upon request

**Fastening:**  
Aerodynamic, parallel to the roof, non-penetrative, additional ballast

**Roof Pitch:**  
Up to 30°

**Module type:**  
Framed modules

**Module orientation:**  
Portrait

**Mounting method:**  
Double layer

- Benefits:**
- No roof penetration possible
  - Minimised additional ballast thanks to aerodynamic optimisation
  - Perfect for east-west orientation like saddle roof, double-sided
  - Has lightning-current-carrying capacity
  - Optional roof connection points extend potential uses

## Exemplary components



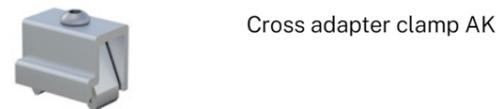
FD floor rail



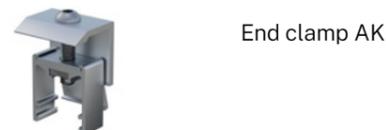
FD ridge connector



Rail ST-AK



Cross adapter clamp AK



End clamp AK



Mid clamp AK

# sflex flat direct with assembly posts

For foil- and bitumen roofs



Assembly Guide



**Application:**  
Pitched roofs with foil / bitumen roofing; other roof types upon request

**Fastening:**  
Aerodynamic, parallel to the roof, minimal amount of roof penetrations

**Roof Pitch:**  
Up to 30°

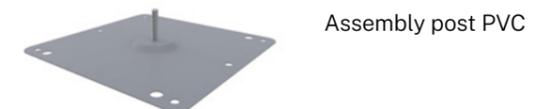
**Module type:**  
Framed modules

**Module orientation:**  
Portrait

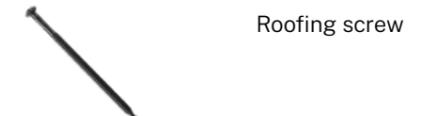
**Mounting method:**  
Double layer

- Benefits:**
- Mounted with building authority approved assembly posts, also optional for reducing ballasting
  - Minimised additional ballast thanks to aerodynamic optimisation
  - Perfect for east-west orientation like saddle roof, double-sided
  - Has lightning-current-carrying capacity
  - Optional roof connection points extend potential uses

## Exemplary components



Assembly post PVC



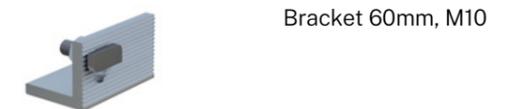
Roofing screw



Covering



Ridge Rail FS 9/40



Bracket 60mm, M10

# sflex triangle delta and hanger bolts

For trapezoidal sheet-, corrugated fibre cement- and sandwich roofs

# sflex triangle delta & trapezoidal sheet metal rail

For trapezoidal sheet-, corrugated sheet- and sandwich roofs



Assembly Guide



Assembly Guide



**Application:**  
On flat pitched and pitched roofs with coverings made of trapezoidal sheet metal, corrugated fibre cement and sandwich elements

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Module pitch:**  
Available in increments of 5° Up to 45°, other angles available upon request

- Benefits:**
- Free choice of size and position of the module array possible
  - Perfect also for small systems of 1, 2, 4 or 8 modules
  - Triangles are shipped folded up for less freight and storage costs (pallet dimensions)

## Exemplary components



Rail ST-AK



Cross adapter clamp AK



Bracket 60mm



sflex triangle delta AK 1230 5°-45°



Hanger bolt

**Application:**  
On flat pitched and pitched roofs with coverings made of trapezoidal sheet metal, corrugated fibre cement and sandwich elements. Ballasted on flat roofs.

**Module type:**  
Framed and frameless modules

**Module orientation:**  
Portrait / landscape

**Module pitch:**  
Available in increments of 5° Up to 45°, other angles available upon request

- Benefits:**
- Free choice of size and position of the module array possible
  - Perfect also for small systems of 1, 2, 4 or 8 modules
  - Triangles are shipped folded up for less freight and storage costs (pallet dimensions)

## Exemplary components



Rail ST-AK



Trapezoidal sheet metal rail AK



Cross adapter clamp AK



sflex triangle delta AK 1230 5°-45°

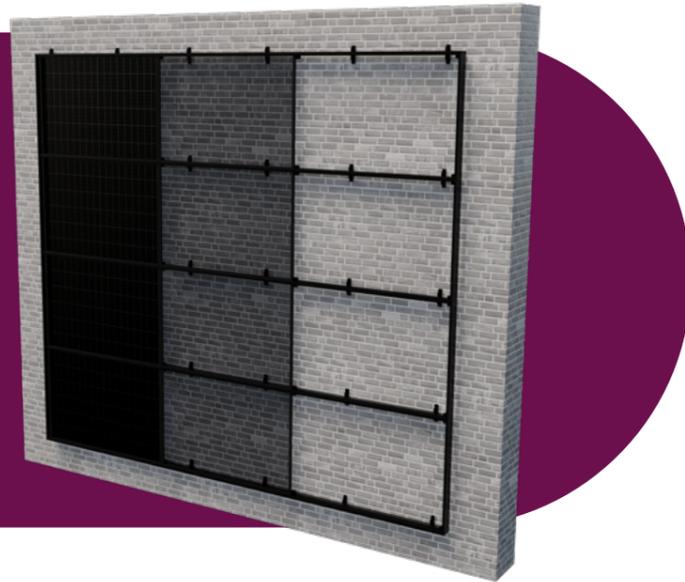
# Faccade & Balcony

# sflex els

For facades, noise barriers, solid parapets and pitched roofs with roof tiles and metal roofs



Assembly Guide



**Application:**  
Facades, noise protection walls and massive balustrades or pitched roofs with roof tiles, sheet metal roofs

**Fastening:**  
Facade: on-site Pitched roof: compatible with all sflex fastening solutions for tiled roofs and metal sheet roofing

**(Roof-) Pitch:**  
Pitched Roof: 10° - 75°  
Facade: 75° - 90°

**Module type:**  
Framed modules

**Module orientation:**  
Portrait / landscape

- Benefits:**
- Aesthetically pleasing modular surfaces with clean finishes
  - All components for a special look available in black
  - Suitable for module frame heights of 25 to 45 mm using just one type of insertion rail
  - Newly developed module clamps that prevent rattling of the modules and thermally induced glass breakage/cracks
  - Optimized service-friendliness: maintenance joints allow easy access to modules

## Exemplary components



ELS Rail



ELS side cladding



ELS eaves cladding



ELS fix clamp



ELS cross adapter clamp

# sflex balcony set basic

Adjustable PV mounting system for balcony railings



Assembly Guide



**Application:**  
Metal balcony railings

**Fastening:**  
Mechanical fastening to balustrade and infill bars

**Module type:**  
Framed modules

**Module frame height:**  
30-50 mm

**Module size (LxW)\*:**  
Max. 2279 mm x 1134 mm

\*Check in advance whether the module can be mounted on the bracket.

**Module orientation:**  
Landscape

**Module pitch:**  
30°, 35°, 40°, 45°, 50°

- Benefits:**
- Quick and easy installation
  - Manually adjustable tilt angle for increased power generation
  - Lightweight and attractive appearance
  - No additional module clamping and no modifications to the module frame necessary
  - Can be easily dismantled and reinstalled when moving house

## Exemplary components



Rail for sflex Balcony system



Wall profile for sflex balcony system



Angle profile sflex balcony system



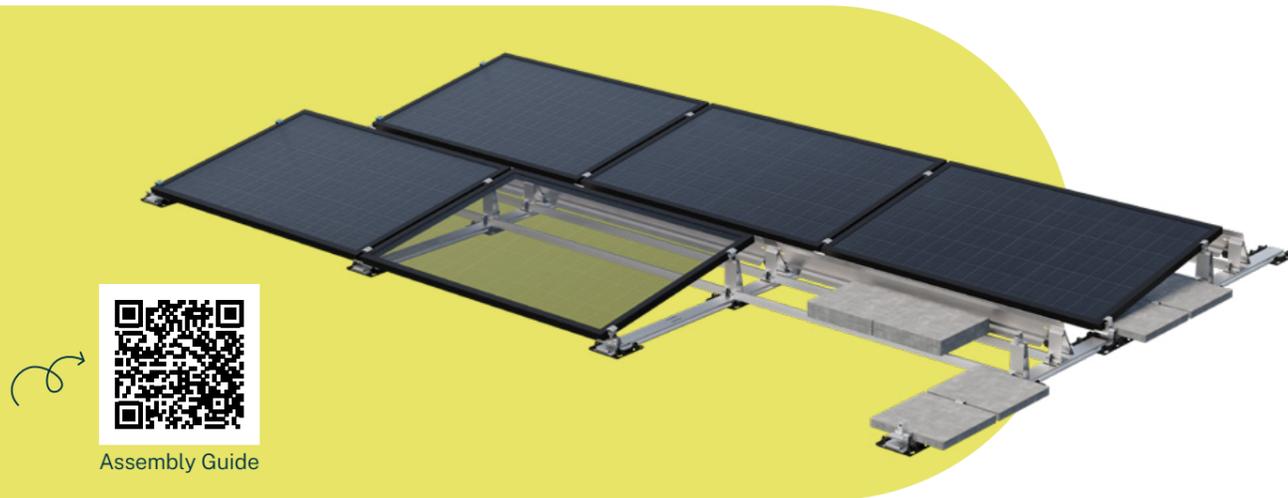
Round steel bracket for sflex balcony system

# Flat roof



# sflex leichtmount rail 2.1 s

For roofs with foil, bitumen, gravel or concrete



# sflex leichtmount rail 2.1 ew

For roofs with foil, bitumen, gravel or concrete



**Application:**  
For roofs with foil, bitumen, gravel or concrete

**Orientation:**  
South

**Fastening:**  
sflex foot plate (optional)

**Roof Pitch:**  
Up to 5° (Up to 10° upon request)

**Building height:**  
Up to 25 m (Up to 50 m upon request)

**Module type:**  
Framed modules

**Module pitch:**  
10° / 15°

**Module field size:**  
Max. 20 x 20 m

- Benefits:**
- Installation without roof penetration possible
  - Low area load: minimised ballast thanks to aerodynamic design
  - Optimised load distribution through Ground rails and foot plates
  - Installation in the roof edge and corner regions is possible
  - Lightning-current-carrying capacity according to DIN EN 62561 (VDE 185-561-1):2013-02

## Exemplary components

	LmR 2.1 Ground Rail S
	LmR 2.1 Foot plate
	LmR Base
	LmR Base
	End clamp AK
	Mid clamp AK

**Application:**  
For roofs with foil, bitumen, gravel or concrete

**Orientation:**  
East-West

**Fastening:**  
sflex foot plate (optional)

**Roof Pitch:**  
Up to 5° (Up to 10° upon request)

**Building height:**  
Up to 25 m (Up to 50 m upon request)

**Module type:**  
Framed modules

**Module pitch:**  
10° / 15°

**Module field size:**  
Max. 20 x 20 m

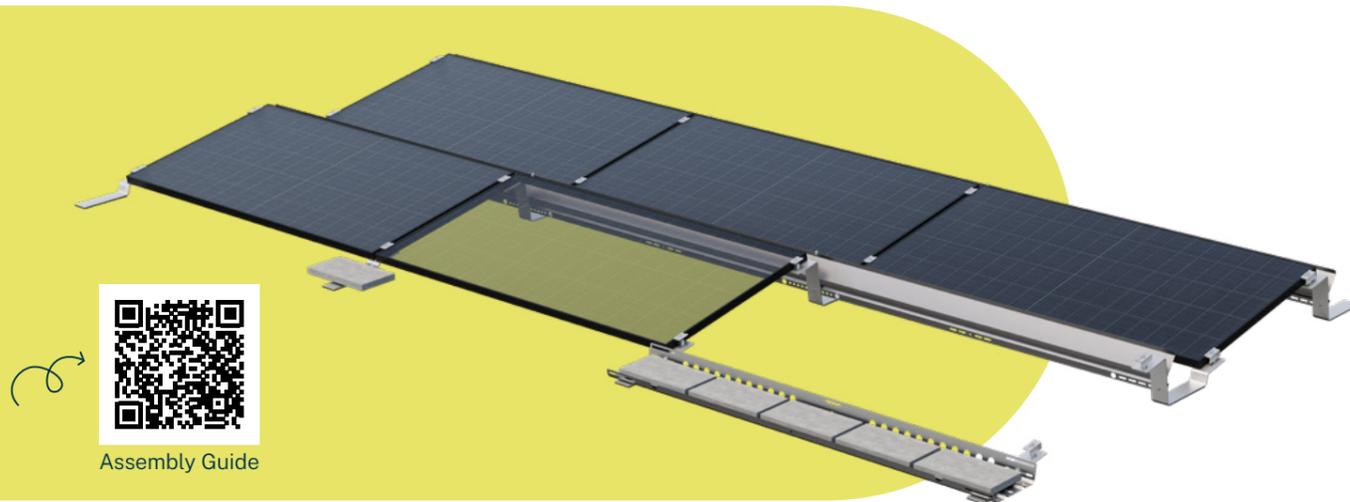
- Benefits:**
- Installation without roof penetration possible
  - Low area load: minimised ballast thanks to aerodynamic design
  - Optimised load distribution through ground rails and foot plates
  - Installation in the roof edge and corner regions is possible
  - Lightning-current-carrying capacity according to DIN EN 62561 (VDE 185-561-1):2013-02

## Exemplary components

	LmR 2.1 Ground Rail EW
	LmR 2.1 Foot plate
	LmR Base
	LmR Base
	End clamp AK
	Mid clamp AK

# sflex leichtmount cf s

For roofs with foil, bitumen, gravel or concrete



**Application:**  
Flat roof with foil, bitumen, gravel, concrete

**Orientation:**  
South

**Roof Pitch:**  
Up to 5° without roof anchors, above with roof anchors

**Building height:**  
Up to 25 m

**Module size (L x W):**  
1500–2250 mm x 950–1150 mm

**Module pitch:**  
5° / 10° / 15°

**Row spacing:**  
Module size 5° = 18° Verschattungswinkel  
Module size 10° & 15° = 18° oder 25° Verschattungswinkel

**Module field size:**  
Max. 20 m x 20 m

**Benefits:**

- Short assembly times due to few components
- Low area load: minimised ballast thanks to aerodynamic design
- Non-penetrative roof connection possible
- Also suitable for roof edge zones
- Roof unevenness can be easily levelled out
- Problem-free water drainage, good module rear ventilation
- Certified to UL 2703, UL 1703 and IEC 61215

## Exemplary components

	Leichtmount CF Front part
	Leichtmount CF End part
	Leichtmount CF Connector
	Leichtmount CF Ballast tray 880
	Leichtmount CF Ballast tray 1800/2050/2300

# sflex leichtmount cf ew

For roofs with foil, bitumen, gravel or concrete



**Application:**  
Flat roof with foil, bitumen, gravel, concrete

**Orientation:**  
East-West

**Roof Pitch:**  
Up to 5° without roof anchors, above with roof anchors

**Building height:**  
Up to 25 m

**Module size (L x W):**  
1500–2250 mm x 950–1150 mm

**Module pitch:**  
10°

**Row spacing:**  
Module pitch 10° = 18° 18° shading angle

**Module field size:**  
Max. 20 m x 20 m

**Benefits:**

- Short assembly times due to few components
- Low area load: minimised ballast thanks to aerodynamic design
- Non-penetrative roof connection possible
- Also suitable for roof edge zones
- Roof unevenness can be easily levelled out
- Problem-free water drainage, good module rear ventilation
- Certified to UL 2703, UL 1703 and IEC 61215

## Exemplary components

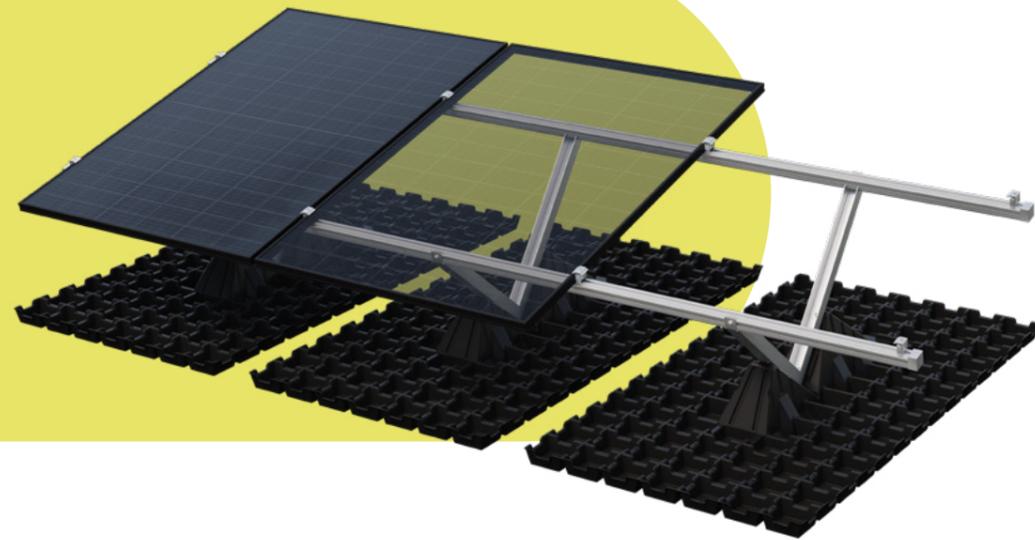
	Leichtmount CF Front part
	Leichtmount CF Top part
	Leichtmount CF Bottom part
	Leichtmount CF Ballast tray 880
	Leichtmount CF Ballast tray 1800/2050/2300

# sflex greenlight

For green roofs with gravel or substrate

# sflex greenlight on top

For existing green roofs with gravel or substrate



**Application:**  
Green roof (intensive and extensive), gravel roof

**Orientation:**  
South and East-West

**Fastening:**  
Non-penetrative, additional ballast

**Roof Pitch:**  
Up to 5°

**Module type:**  
Framed modules

**Module pitch:**  
10° / 15° / 25°

**Module field size:**  
Min. two modules

- Benefits:**
- No roof penetration
  - High water storage volume
  - Extremely fast installation
  - Suitable for all common module sizes
  - Integrated fall protection (optional)

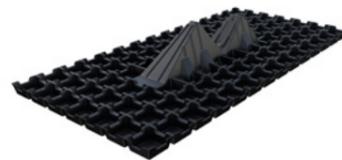
**Exemplary components**



Greenlight Profile ST Universal



Greenlight Knickfix



Greenlight Base plate



End clamp AK



Mid clamp AK

**Application:**  
Existing green roof, gravel roof

**Orientation:**  
South and East-West

**Fastening:**  
Non-penetrative, additional ballast

**Roof Pitch:**  
Up to 5°

**Module type:**  
Framed modules

**Module orientation:**  
Landscape / portrait

**Module pitch:**  
10° / 15° / 20°

**Module field size:**  
Min. two modules

- Benefits:**
- No roof connection required, system is applied onto the existing green or gravel roof
  - Suitable for all common module sizes
  - Integrated fall protection (optional)

**Exemplary components**



Greenlight OT Floor rail



Greenlight Knickfix



Greenlight Profil ST Universal



End clamp AK



Mid clamp AK

# sflex leichtmount snap

For roofs with foil, bitumen, gravel or concrete



**Application:**  
Flat roof with foil, bitumen, gravel and concrete

**Orientation:**  
East-West

**Fastening:**  
Non-penetrative (roof connection according to flat roof guideline)

**Roof Pitch:**  
Up to 10°

**Module type:**  
Framed modules

**Module size (L x W):**  
1600 - 2500 mm x 990 - 1230 mm  
Height: 30 - 40 mm

**Module pitch:**  
10°

**Module field size:**  
max. 30 x 30 m

- Benefits:**
- System installation without roof penetration possible
  - Reduced ballast due to systematic aerodynamic optimisation
  - Optimised pressure load distribution due to wide support surface
  - Low system surface load: incl. modules / without ballast from 12.5 kg/m<sup>2</sup>

## Exemplary components



LmS Ground Rail



LmS Foot Plate



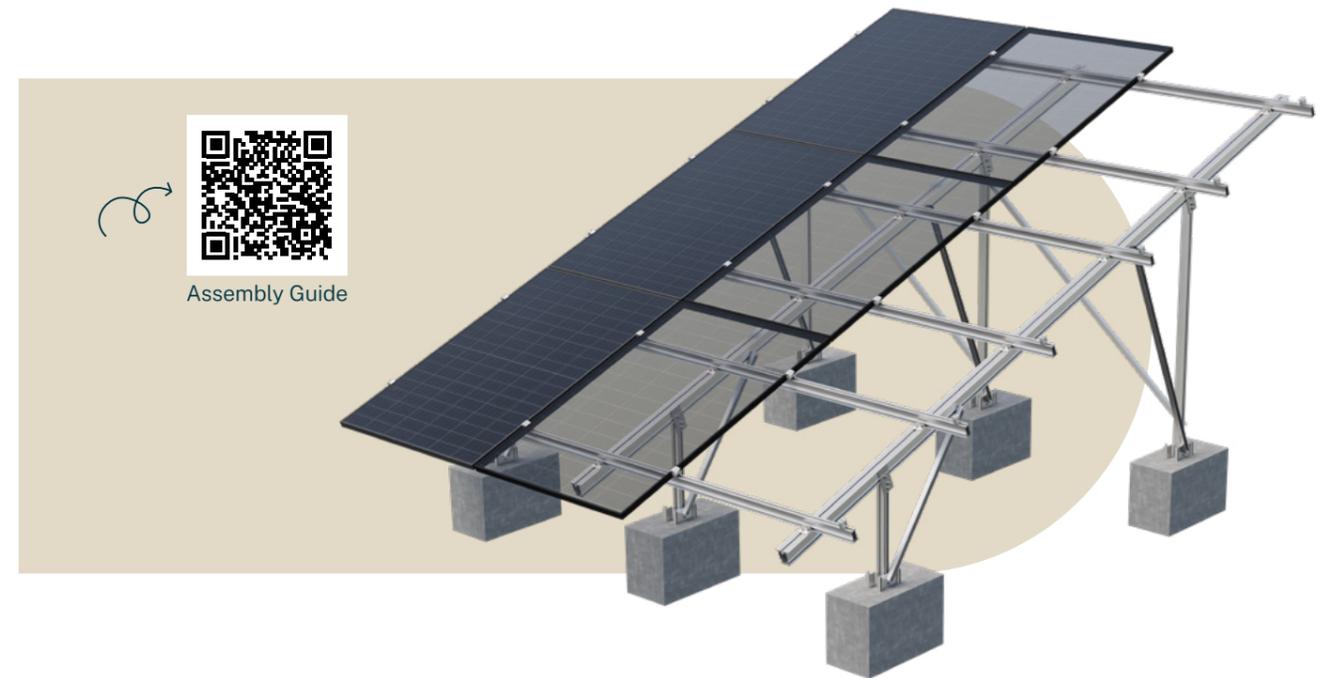
LmS Tower Single / Double



LmS Base Single / Double

# sflex delta concrete

For flat roofs with concrete foundation



**Application:**  
Concrete Flat Roof

**Orientation:**  
South and East-West

**Fastening:**  
Concrete, screw fastening

**Module type:**  
Framed, frameless (additional horizontal rail), bifacial modules

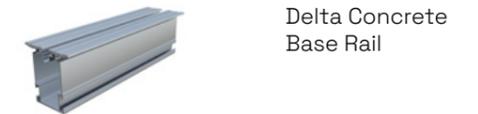
**Module orientation:**  
Landscape / portrait

**Module pitch:**  
Up to 20°

**Module field size:**  
12 x 4 modules (landscape) / 12 x 3 modules (portrait)

- Benefits:**
- Designed to be used on flat concrete roofs
  - Excellent rear ventilation ensuring high yields, making it particularly suitable for hot regions
  - Light-weight, material-saving design
  - Offers the possibility to build over obstacles
  - No drilling of aluminium on site

## Exemplary components



Delta Concrete Base Rail



Delta Concrete Pillar FS 9/40



Delta Concrete Top



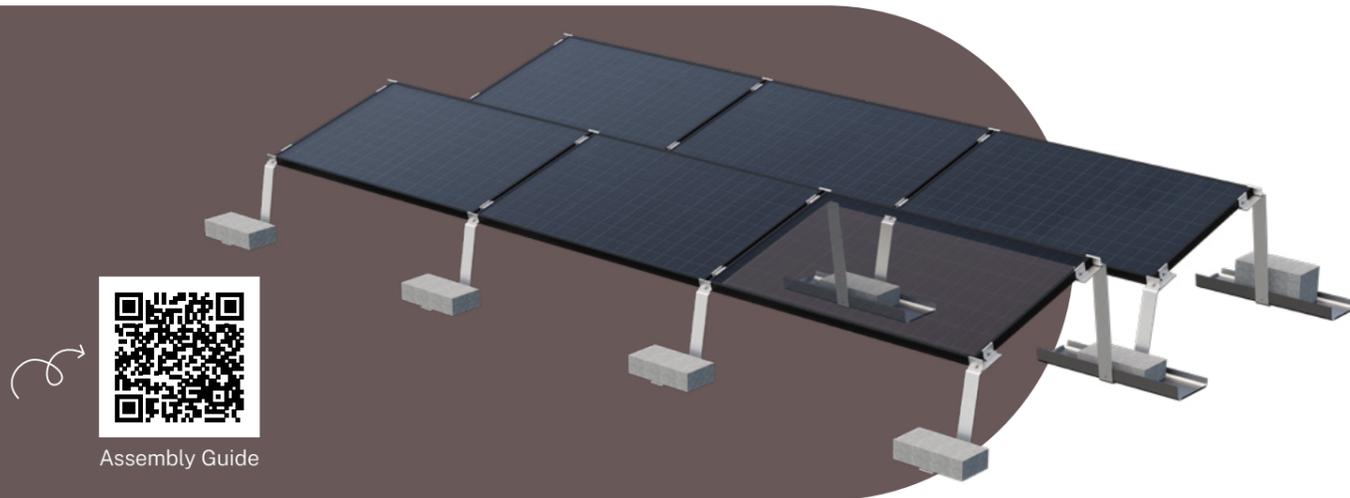
Delta Concrete Base

# Open Ground



# sflex leichtmount g s

For open grounds with earth, gravel or concrete base



**Application:**  
Open Ground

**Orientation:**  
South

**Bodenneigung:**  
Up to 20°

**Module type:**  
framed modules

**Module pitch:**  
15° / 20°

**Module field size:**  
Min. 2 x 3 Modules

- Benefits:**
- No pile driving or major excavation work needed
  - Suitable for a wide range of surfaces such as earth, gravel, concrete
  - Reduced transport and storage costs thanks to low volume packaging

## Exemplary components



Leichtmount G S Connector



Leichtmount G S Front Part



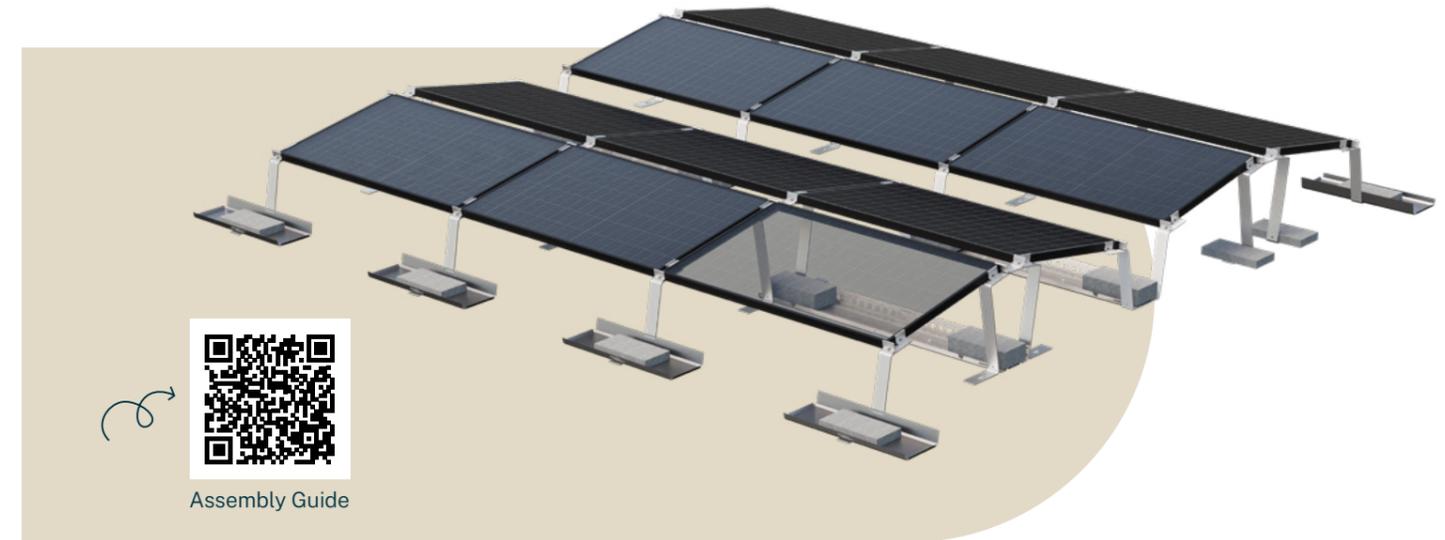
Leichtmount G S End Part



Leichtmount CF Ballast Tray

# sflex leichtmount g ew

For open grounds with earth, gravel or concrete base



**Application:**  
Open Ground

**Orientation:**  
East-West

**Bodenneigung:**  
Up to 20°

**Module type:**  
Framed modules

**Module pitch:**  
10°

**Module field size:**  
Min. 2 x 4 Modules

- Benefits:**
- No pile driving or major excavation work needed
  - Suitable for a wide range of surfaces such as earth, gravel, concrete
  - Reduced transport and storage costs thanks to low volume packaging

## Exemplary components



Leichtmount G EW Top Part



Leichtmount G EW Front part



Leichtmount CF Ballast tray



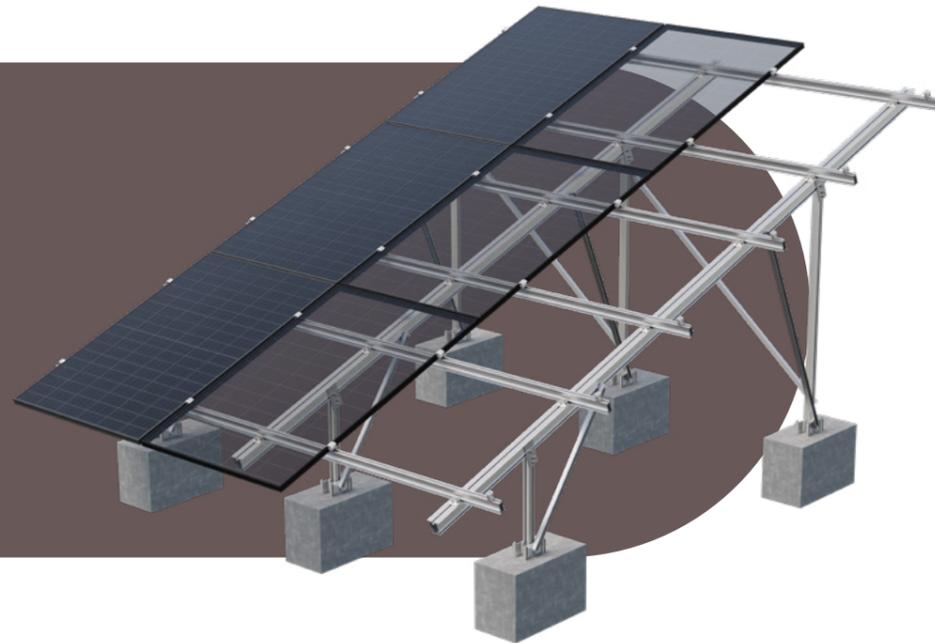
Leichtmount CF Ballast tray

# sflex delta concrete

For open grounds with concrete foundation



Assembly Guide



**Application:**  
For open grounds with concrete foundation

**Orientation:**  
South and East-West

**Fastening:**  
Concrete, screw fastening

**Ground inclination:**  
N-S: beliebig; O-W: Modul area 1° / Terrain 10°

**Module type:**  
Framed, frameless (additional horizontal rail), bifacial modules

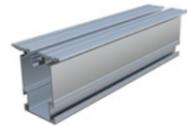
**Module orientation:**  
Landscape / portrait

**Module pitch:**  
Up to 20°

**Module field size:**  
12 x 4 modules landscape / 12 x 3 Module portrait

- Benefits:**
- Designed for ground-mount on concrete foundations
  - Light-weight, material-saving design
  - Offers the possibility to build over obstacles
  - No drilling of aluminium on site

## Exemplary components



Delta Concrete Base rail



Delta Concrete Pillar FS 9/40



Delta Concrete Top



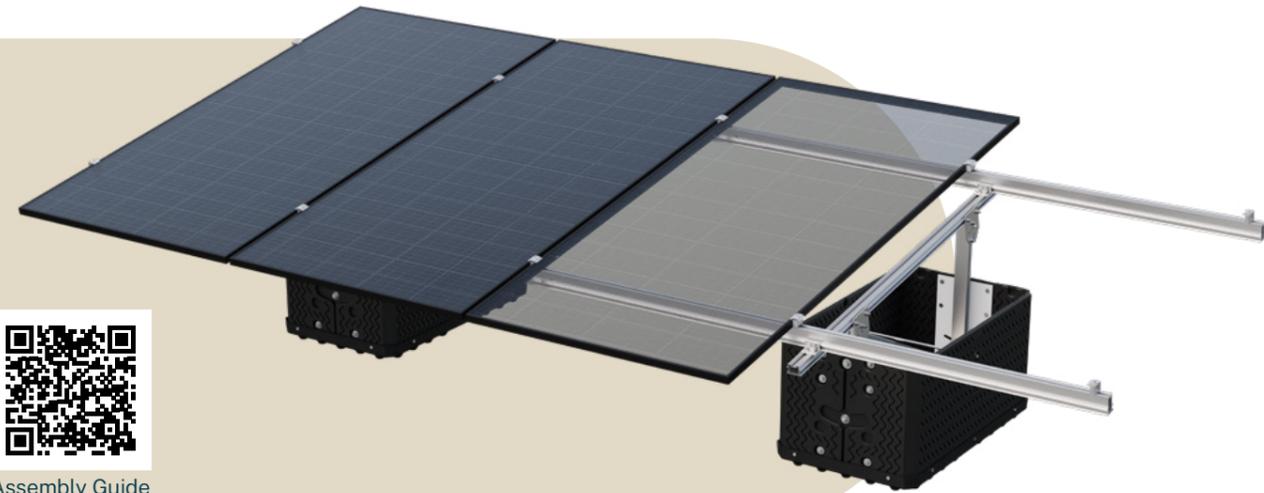
Delta Concrete Base

# sflex groundmount box

For open spaces with asphalt, soil, rock, sand or landfill sites



Assembly Guide



**Application:**  
Open Ground

**Orientation:**  
South and East-West

**Fastening:**  
Open Ground Plastic Tray

**Gefälle:**  
For terrain inclines Up to 3°

**Module type:**  
Framed modules

**Module orientation:**  
Portrait

**Module pitch:**  
Up to 10°

**Module field size:**  
Min. 1 x 4 modules / Max. 1 x 12 modules portrait

- Benefits:**
- Quick installation, no earthworks or concrete work required, installation not dependent on weather conditions
  - Can be used on asphalt, soil, rock, sand or landfill sites
  - Temporary or permanent – the trays are foldable and suitable for both applications
  - Once installed, the open ground trays can be loaded immediately

## Exemplary components



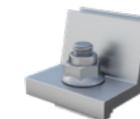
GmB Plastic tray



Rail ST-AK



Gusset plate



Cross rail adapter HK



End clamp AK

# Carport system

# sflex carport single

Solar carports in segmental design



Assembly Guide



## Parking Spaces:

1 parking space, modularly expandable to up to 12 freely combinable single/double segments for a maximum of 24 parking spaces

## Fastening:

Anchored in the ground / Concrete

## Roof Pitch:

6°

## Height:

Pass-through height: 2.09 m / max. height: 2.95 m

## Module orientation:

Landscape / portrait

## Module field size:

22 m<sup>2</sup> / 10 Modules

## Material:

Carport: hot-dip galvanised steel, powder-coated  
Trapezoidal sheet: continuous, 0.75 mm thick  
Solar mounting: aluminium

## Farbe:

Anthracite grey (RAL 7016);  
Trapezoidal sheet anthracite

## Components overview



# sflex carport double

Solar carports in segmental design



Assembly Guide



## Parking Spaces:

2 parking spaces, modularly expandable to up to 12 freely combinable single/double segments for a maximum of 24 parking spaces

## Fastening:

Anchored in the ground / Concrete

## Roof Pitch:

6°

## Height:

Pass-through height: 2.09 m / max. height: 2.95 m

## Module orientation:

Landscape / portrait

## Module field size:

35 m<sup>2</sup> / 15 Modules

## Material:

Carport: hot-dip galvanised steel, powder-coated  
Trapezoidal sheet: continuous, 0.75 mm thick  
Solar mounting: aluminium

## Farbe:

Anthracite grey (RAL 7016);  
Trapezoidal sheet anthracite

## Components overview







# because you can build on us

## How sflex operates

More than two decades of experience in the solar industry and mounting technology go into each of our products – but that alone does not define us. What matters is what lies behind it: a brand that stands for reliability, technical excellence and genuine partnership.

Whether flat roof, pitched roof or ground-mounted system – our portfolio not only offers high-quality mounting systems, but also solutions developed in collaboration with our partners. Solutions that are based on real requirements and deliver what they promise in the project.

Our mission: We make our customers' work easier. Through well-designed systems, precise planning, fast delivery and support that not only accompanies but also takes over. We stay on the job – from the first plan to the last screw – to ensure that every project comes to a successful conclusion.

Meet a team that not only delivers, but also thinks ahead. A team that demonstrates what our claim means and why it is our benchmark: **because you build on us.**

## Our vision

We know that our partners don't just build with our systems, they build on us.

We do not take this trust for granted; rather, it is the standard that drives us every day. Successful projects are not created by good products alone, but through reliable cooperation, technical expertise and the certainty of having a contact person available at all times.

This involves more than just mounting systems. It involves solutions, software, service and partnership that make projects easier, safer and more predictable. This is exactly where we want to continue in the future: further expanding existing strengths, opening up new opportunities and continuously improving cooperation with our partners.

Our goal is clear: we want to be the benchmark for partnership-based cooperation in PV mounting technology. Not through volume, but through reliability, competence and proximity to everyday project work.

## Our mission

We do not supply standard products, but solutions that are tailored to the real requirements of our partners. Every system, every roof and every project has its own specific conditions. That is why we develop mounting systems and services that are technically sophisticated, tested and certified, and proven in practice.

Our commitment does not end with the product. We provide comprehensive support for projects: from the initial idea to planning, design and logistics to implementation on the construction site. Whether it's a challenging roof pitch, a complex special project or a tight schedule – we stay on the ball and look for solutions that work.

This is how we achieve what we stand for: partnership-based cooperation, technical reliability and support. We stay on the case, from the first plan to the last screw.



because you can build on us