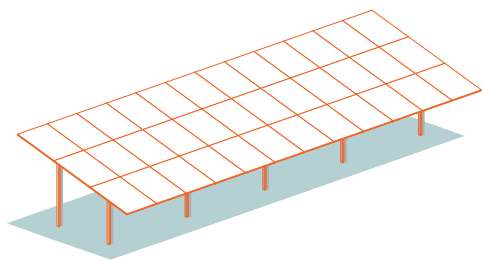
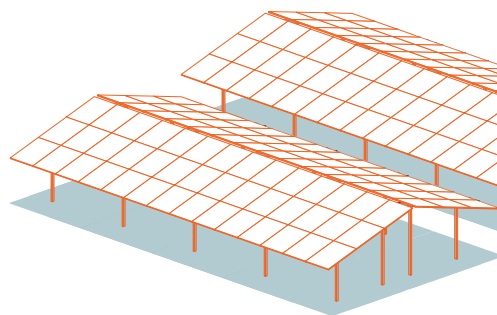


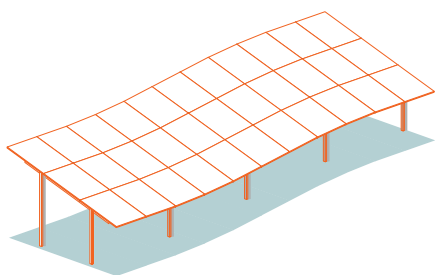
APPLICATIONS



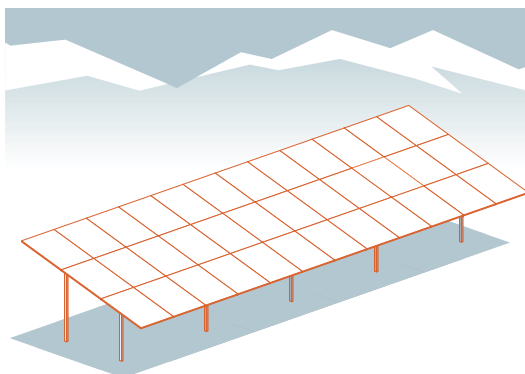
South-oriented systems, 2-4 vertical rows of modules



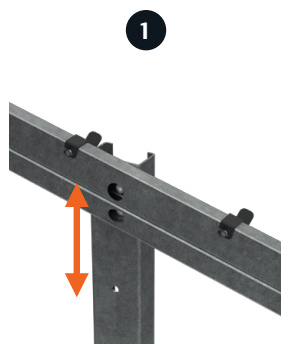
East-west systems vertical



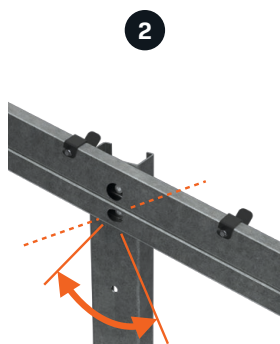
Adaptation to the ground profile



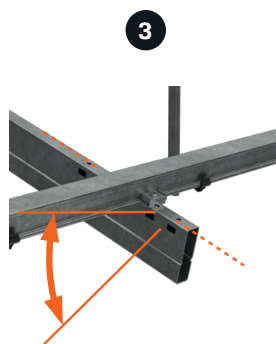
Perfect for heavy loads, e.g. caused by snow



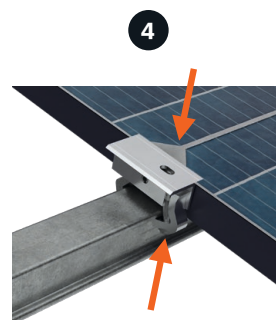
Height adjustment



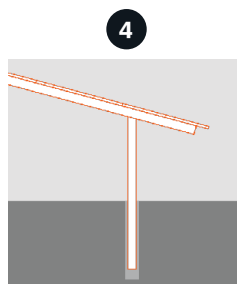
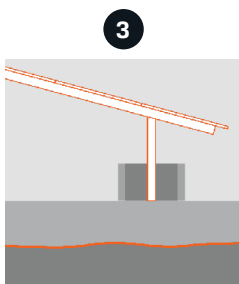
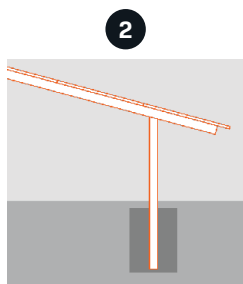
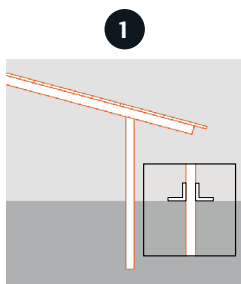
Stepless inclination



East-west rocker



Module fastening from above and below



Suitable for every ground type thanks to various foundation options:

1. Rammed post foundation (also with load distribution plates)
2. Concrete incast foundation
3. Ballast foundation (e.g. for limited anchoring depth)
4. Drill-holes (in rocky ground)

THE BENEFITS AT A GLANCE

- **Stable, optimised design**

Robust design thanks to closed, torsionally rigid profiles, optimised for 2 or 3 vertical rows of modules.

- **Flexibility**

Quick and easy adaptation to the terrain directly on site: Our flexible balancing rocker allows the system to be tilted up to 15° to the side. Posts and clamps can be positioned steplessly.

- **Suitable for all solar modules**

GMS® CORE is compatible with all common panel sizes and versions.

- **Rapid and secure installation**

The module clamps are delivered pre-assembled. Their anti-rotation, height-adjustable design ensures smooth installation; screw tightening is optionally from below or above.

- **Efficient care of greenery**

The system avoids the need for obstructive bracing underneath, which keeps the ground optimally accessible.

- **Outstanding material quality**

Only materials of the highest grades are used: posts are galvanised, main and long beams are made from steel with a zinc-magnesium coating, and fasteners are made from stainless steel.

- **Secure structural engineering**

Maximum structural safety thanks to project-specific static calculation according to the respective norms.

- **Long lifetime**

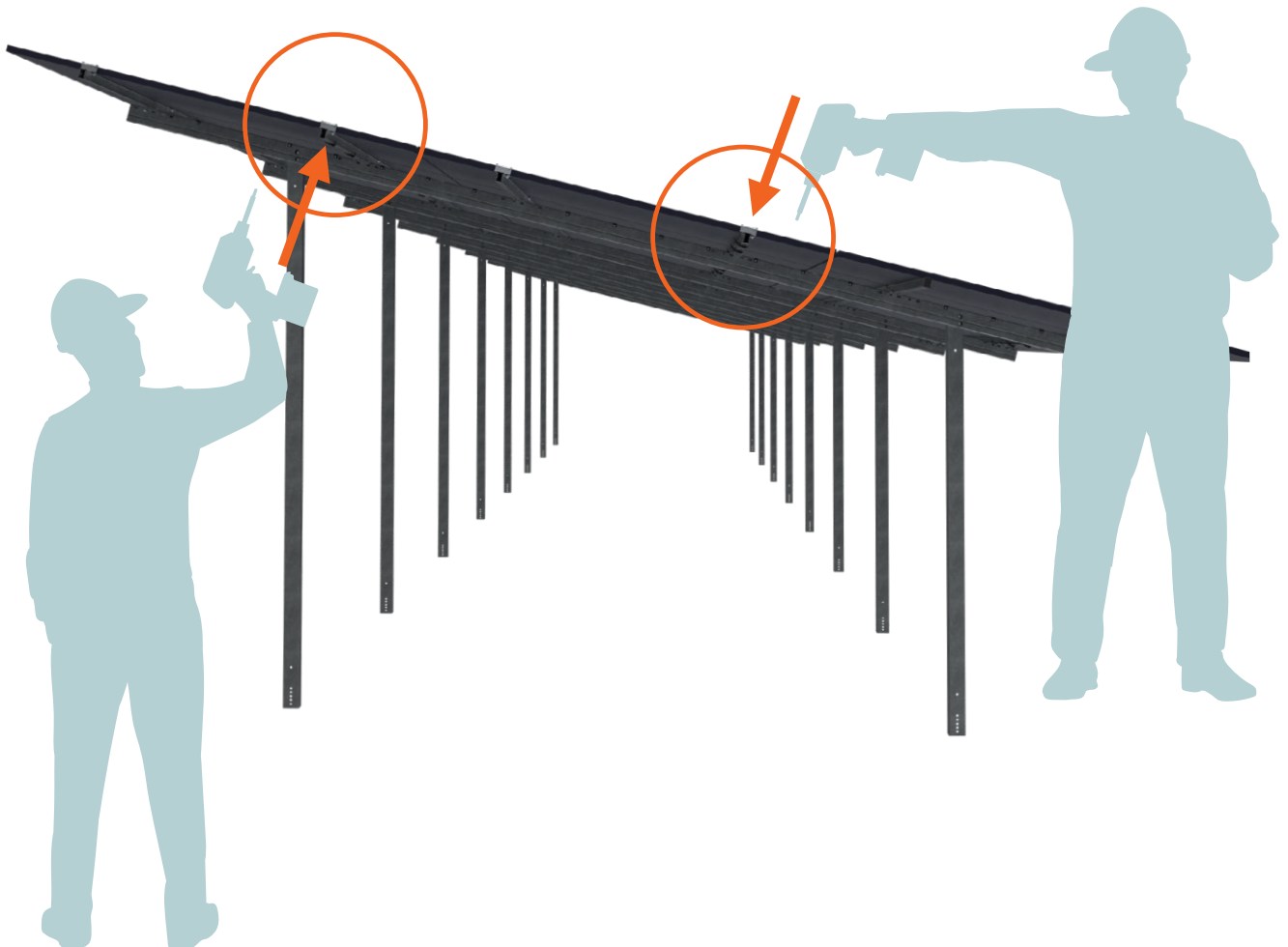
Very high durability and long-term corrosion protection. Steel profiles made from high-strength grades.

- **Standardised components**

A small number of standardised components bring together simplicity and flexibility – allowing individual configurations to be implemented.

- **Open cable routing**

Safe cable routing on the mounting system provides for maximum protection against heat build-up and water accumulation.



MAIN COMPONENTS

1 POSTS

Corrosion-resistant C-profiles offer maximum flexibility for the most diverse ground conditions.



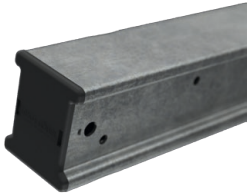
2 MAIN BEAM

The closed main beam made from steel provides stability.



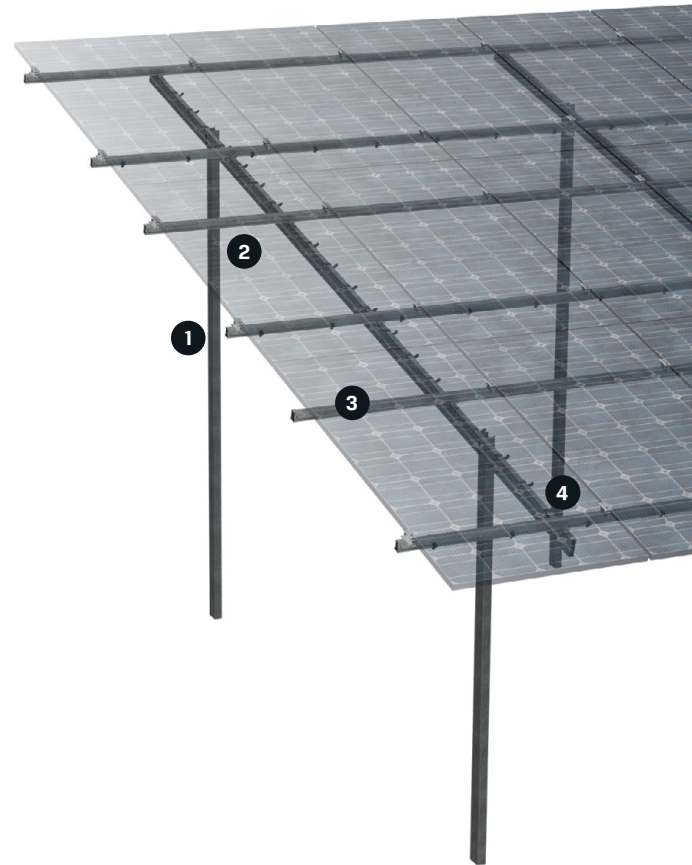
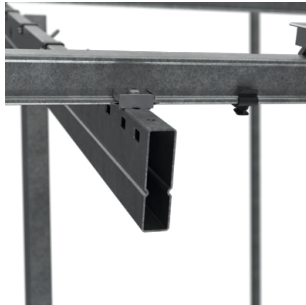
3 LONG BEAM

The closed long beam made from steel provides stability and stepless fastening options.

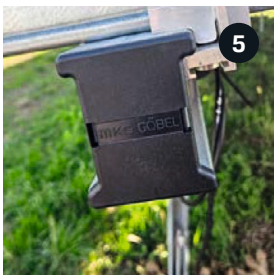


4 MAIN / LONG BEAMS

Optimised beams made from steel with zinc-magnesium coating.



ACCESSORIES



1. Cable holder for cable routing along long and main beams

2. Cable routing between east-west rows

3. Bridging strap for potential equalisation between the tables

4. Earthing plate (optional)

5. End caps for long beams

6. Bracket for string inverter or string combiner boxes (SCB)

7. Bite-protection cage made from double bar mesh

8. Mowing protection

TECHNICAL DATA

FOUNDATIONS

- Rammed posts
- Concrete incast foundation
- Ballast foundation
- Load distribution plates
- Drill-holes (for rocky grounds)

DESIGN

Modular system with only 3 main components

MATERIALS

- Posts: Hot-dip galvanised steel (galvanised individually – EN ISO 1461, alternatively zinc magnesium ZM620)
- Main and long beams: Steel S550; surface ZM430
- Fasteners: Stainless steel

STRUCTURAL ANALYSIS

Project-specific in accordance with Eurocode DIN EN 1991, DIN EN 1993, DIN EN 1999, wind tunnel test, CC2, load return period 50 years

MODULE INSTALLATION

Vertically 2–4 modules

MODULE TILT ANGLE

Flexible tilt angle, standard: 10° to 20° (other angles upon request)

ADAPTION TO TERRAIN

North/south slope: up to $\pm 35^\circ$ (other angles upon request);
east/west slope: up to $\pm 15^\circ$ (using balancing rocker)

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**Certified in accordance with
DIN EN ISO 9001:2015**

**Workplace-protection certified
ISO 45001:2018 and SCC**

