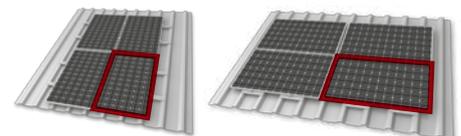
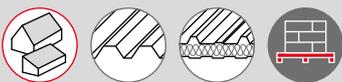




MiniRail System

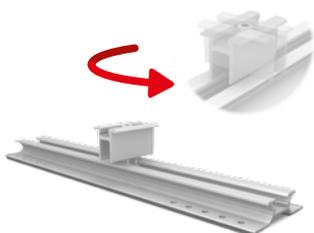


- ▶ Innovative and statically optimised short rail system that is quick and easy to mount
- ▶ Universal module clamps and suitable for portrait and landscape orientation
- ▶ 5° elevation with MiniFive: significantly more output by improved ventilation and optimised solar irradiation
- ▶ Optimised for storage and transport



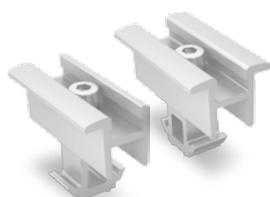
The MiniRail System allows portrait and landscape mounting in the form of grid mounting thanks to the universal module clamps, which are rotatable by 90°.

MINIRAIL SYSTEM COMPONENTS



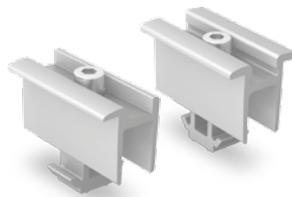
MiniRail

- ▶ Landscape and portrait mounting with MiniClamp MC/EC
- ▶ Suitable for most crest spacings



MiniClamp MC/EC 27 - 35 mm

- ▶ Universal module clamp
- ▶ Clamp is rotatable



MiniClamp MC/EC 36 - 50 mm

- ▶ Universal module clamp
- ▶ Clamp is rotatable



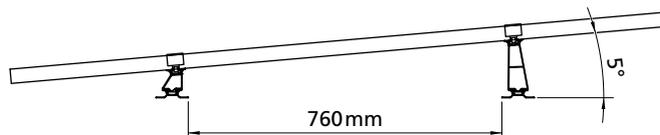
Self-tapping screws

- ▶ Included in MiniRail MC/EC set
- ▶ With sealing washers



MiniFive front and end

- ▶ Supporting element for single-sided elevation
- ▶ Improved ventilation and higher yield
- ▶ Optimised solar irradiation angle



TECHNICAL DATA

MiniRail System	
Scope of application	Pitched roofs with trapezoidal sheet metal or sandwich panels Roof inclination: ▶ MiniRail 5 - 65° ▶ Elevation with MiniFive 5 - 25°
Fastening type / roof fixture	Screws in roofing with self-tapping sheet metal screws
Requirements	<ul style="list-style-type: none"> ▶ Sheet thickness: >0.5 mm (steel and aluminium) ▶ Sandwich panel: Approval from manufacturer required ▶ Crest width: At least 25 mm ▶ Maximum crest width: 101 - 175/202 - 350 mm ▶ Distance from boreholes to crest edge: > 8.5 mm ▶ Module frame height: 27 - 35/36 - 50 mm
Module orientation	Vertical or horizontal
Material	Aluminium (EN AW-6063 T66/ EN AW-6082 T6); EPDM
Dimensions MiniRail W x H x L [mm]	78.2 x 23 x 385
Elevation with MiniFive	5°

