



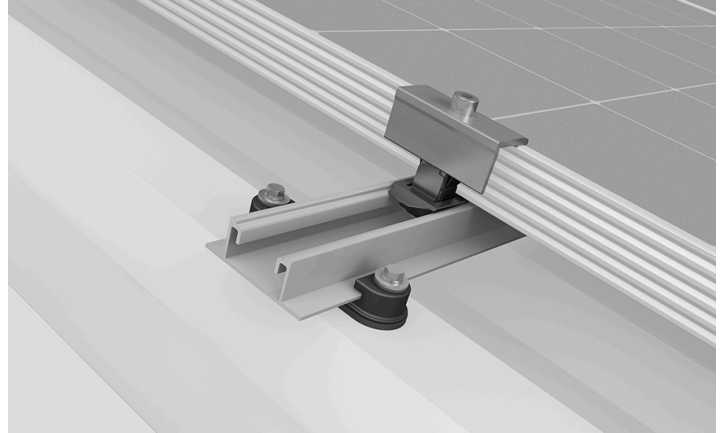
Connecting Strength

K2 BasicRail System

All-rounder with only 4 installation steps. Floating with controlled thermal linear expansion.

The BasicRail mounting system for photovoltaic systems has been specially developed for trapezoidal sheet metal roofs. In Germany, the system has an abZ certification.

- The proven long rail system for trapezoidal sheet metal applications as well as floating with controlled thermal linear expansion.
- Our best-selling system - over 2 GW installed worldwide
- All-rounder with only 4 installation steps - also suitable for high load



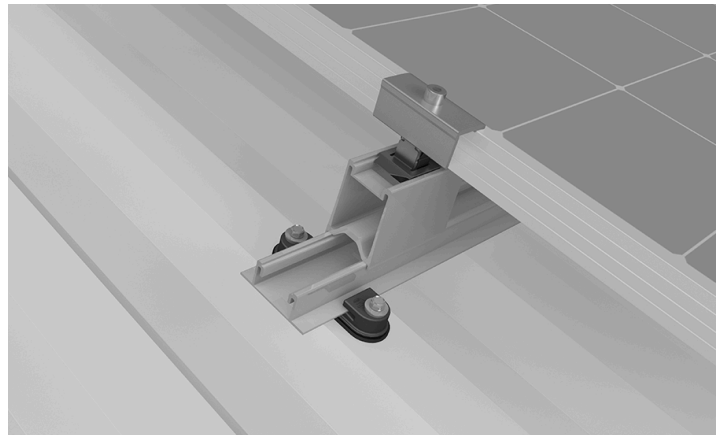
System variant

RailUp for BasicRail

BasicRail systems can now be planned with an elevation. This improves the rear ventilation of the modules and helps with the installation of micro-inverters and power optimisation.

We recommend using this component in very warm regions or to optimise module performance.

RailUp is supplied as a set and does not require any additional material for installation.



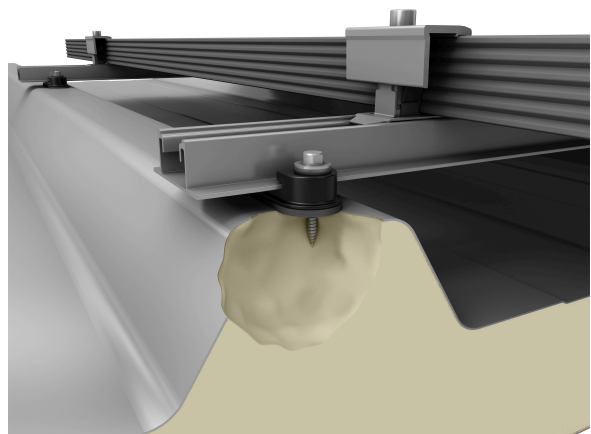
Mounting on sandwich panels

Installing on sandwich panels with abZ

The direct connection of BasicRail with BasicClips and self-tapping screws on sandwich panels has a general building approval (abZ) from the DIBT for some sandwich panel manufacturers. This type of installation with building authority approval is unique in Germany.

It requires little time, which results from the high installation speed of the BasicRail system and the direct fastening of the system in the sandwich panels.

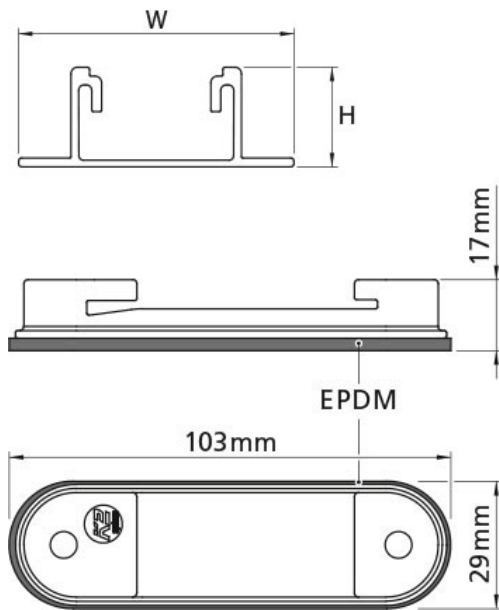
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Technical Data

BasicRail System

SCOPE OF APPLICATION	Trapezoidal sheet roof
FASTENING TYPE / ROOF FIXTURE	Insertion mounting into BasicClips and screws in the roofing
REQUIREMENTS	<ul style="list-style-type: none"> Sheet thickness: ≥ 0.4 mm steel and ≥ 0.5 mm aluminium Sandwich panel: Approval from manufacturer required Crest width: At least 22 mm Flush area surrounding the bore hole: $\varnothing \geq 20$ mm
MATERIAL	<ul style="list-style-type: none"> BasicRail: Aluminium (EN AW-6063 T66; 0,64 kg/m) BasicClip: Fibreglass-reinforced polyamide with EPDM
BASICRAIL DIMENSIONS	(W×H) 63 mm × 22,5 mm
BASICCLIP DIMENSIONS	See drawing
SECOND RAIL LAYER	SingleRail



Dimensioning scheme BasicRail/BasicClip

w = width / H = height / L = lengths



Connecting Strength

K2 Base: Easy, fast and safe planning

Quick and easy planning in five steps of K2 mounting systems for pitched and flat roofs. Our free planning tool K2 Base has a dashboard for efficient project management. Google Maps integration and graphic drawing tools support you in planning and make it easier.

base.k2-systems.com 

