

# short rail

## data sheet










the solution for trapezoid shield roofs at an angle of up to 40°

### Minimum material input for maximum yields

short rail features top-level flexibility: the substructure can be installed both along and against the trapezoidal orientation, comfortably compensation specific roof conditions. Our system is suitable for all standard trapezoidal metal shields with an easy and fast application regarding only two tools.

Our extra benefit for you: We provide screws with drill bits making the mounting of our substructure free from metal chips and for that reason completely clean.

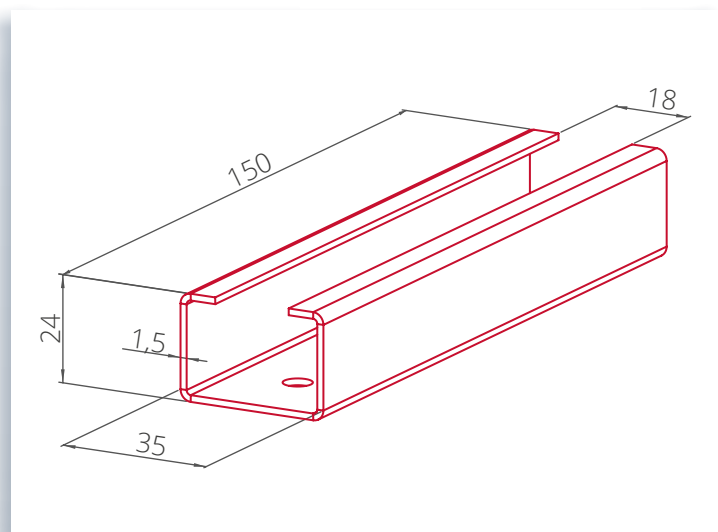
### Benefits of short rail

-  developed and aerodynamically optimised in a wind tunnel
-  suitable for roofs with a limited load-bearing capacity
-  preconfigured: EPDM layer glued to the bottom side
-  roof impermeability assured thanks to EPDM layer
-  quick installation saves time and money: no other mounting system can be installed faster
-  minimum shipping and storage costs due to small scale: 750 kWp measure 0.9 x 0,9 metre in packaging
-  resistant to UV, wind and corrosion

# short rail



## Technical drawing



## Benefits of sun.deli

- delivery up to 750 kWp within three working days\*
- 24h spare part service\*
- made in Germany quality
- more than 20 years of product lifespan
- 10 years product guarantee

## Technical data

Application field	primarily trapezoidal metal sheets up to an inclination angle of 40°
Measurements	alongside trapezoid orientation: 25 x 50 x 25 - 150 mm / against trapezoid orientation: 25 x 50 x 25 - 380 mm
Roof orientation	south, east/west
Roof covering	all standardized trapezoidal sheets
Modules	all common modules (frame height between 29mm and 51mm), clamped vertically or horizontally
Fixation to roof	using drill bits that don't produce metal chips. Rooftop impermeability is not affected by the mounting system in any case
Static	Static testing according to DIN EN 1991-1-1 (load capacity) and DIN EN 1991-1-3 (snow load). DIN EN 1991-1-1 to 4 comply with EUROCODE 1
Proof of wind resistance	Static testing of wind load according to DIN EN 1991-1-4
Lightening protection	Substructure can be connected suitable for lightening current
Material	Steel S255 G D AZ185 (Steel with 185 g/m <sup>2</sup> aluminium-zinc alloy), corrosion protection class III according to DIN 55928-8
Connection material	VA stainless steel screws and bolts
Assembly time	18 kWp per man hour (short rail including module)
Product guarantee	10 years

\* regard to German-speaking area. Individual delivery times may vary depending on the location of your order