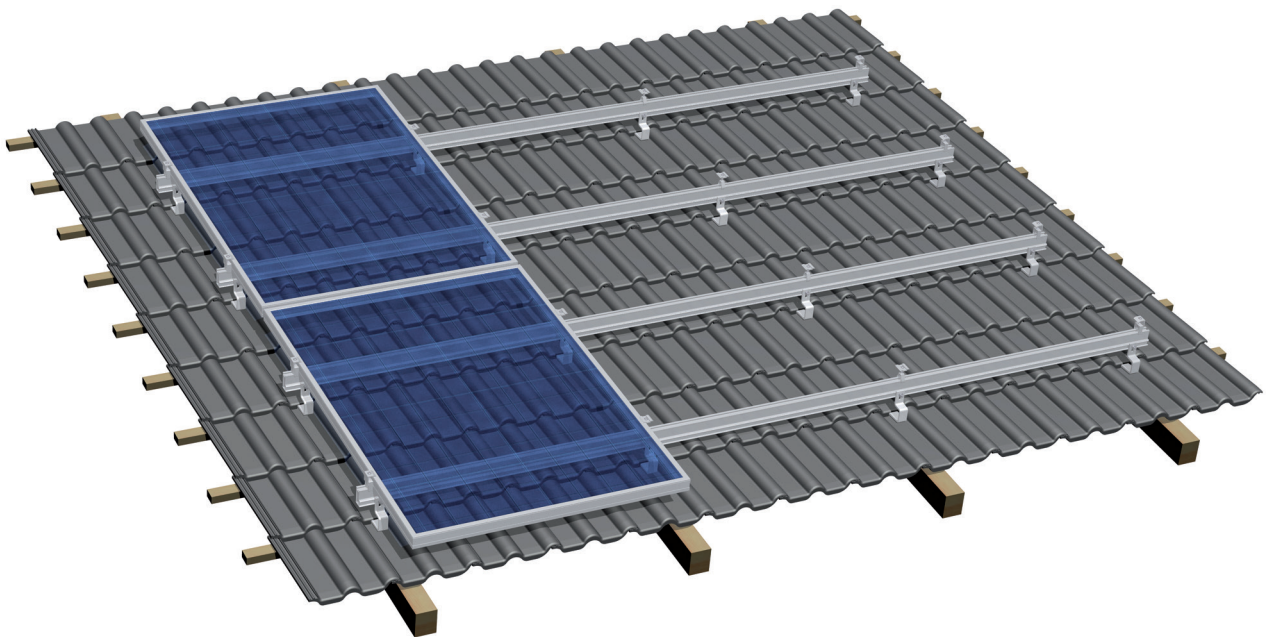




## PITCHED ROOF STRUCTURES

for tiled roofs



### Flexible Application

The S:FLEX pitched roof system allows for easy installation of framed and frameless photovoltaic modules on old and new buildings with all common kinds of roofing (tiles, plain tiles, slate).

### Quick Assembly

The S:FLEX pitched roof mounting structure has numerous pre-assembled parts. The click technology further reduces assembly time. Spanners of two different sizes are the only required tools on the roof, and the detailed assembly instructions ensure an easy installation.

### Excellent Adaptability

Roof hooks are suitable for all kinds of tiles. They can be adjusted laterally and in height. Variable system height capability enables level PV arrays on uneven roof surfaces.

### Extensive Module Compatibility

Height-adjustable module clamps and end clamps allow for maximum flexibility when mounting framed modules from 30 to 50 mm thick. We can also provide certified laminate clamps for frameless modules.

### Maximum Security

If required, S:FLEX can provide structural design services for the mounting structure in compliance with the 2006 International Building Code.

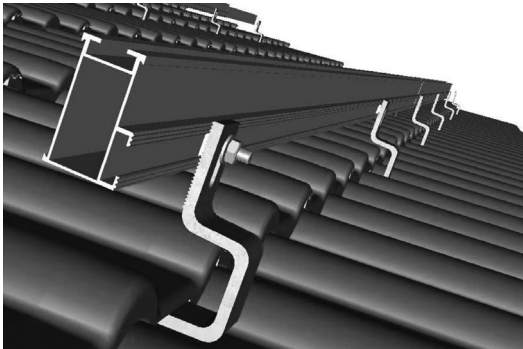
### Long Service Lifetime

All major components are made of aluminum and stainless steel. High corrosion resistance ensures a maximum service life, and all components are recyclable.

# PITCHED ROOF STRUCTURES

for tiled roofs

Technical Data



Tiled roof installation with roof hooks

<b>Application</b>	Pitched roof
<b>Roofing type</b>	Suitable for all kinds of roofing
<b>Roof pitch</b>	Up to 60 degrees
<b>Building height</b>	25 m max.
<b>Wind load</b>	Up to 2.4 kN/m <sup>2</sup>
<b>Snow load</b>	Up to 5.4 kN/m <sup>2</sup>
<b>Module type</b>	Framed and frameless
<b>Layers of rails</b>	Single or double layer
<b>Module orientation</b>	Vertical or horizontal
<b>Module field size</b>	Up to 12 modules in a row vertically / Up to 12 modules in a row horizontally
<b>Height adjustment</b>	Up to 92 mm (dependent on system)
<b>Standards</b>	DIN EN 1991-1-3:2010-12 (Snow), DIN EN 1991-1-4:2010-12 (Wind) – Statics on request / EUROCODE 9 — Dimensioning and design of aluminium frameworks
<b>Roof hooks</b>	Aluminium standard: EN-AW-6063 T6 Plain tile and slate: Stainless steel A2 1.4301
<b>Mounting rails</b>	Extruded aluminum EN-AW-6063 T6
<b>Small parts</b>	Stainless steel X5CrNi18-10 A2-70
<b>Lightning protection</b>	Optional
<b>Colour</b>	Natural aluminium
<b>Warranty</b>	10 years on durability of materials