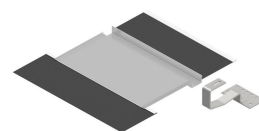


DATA SHEET

One system. Many roofs.

Universal replacement tile
for photovoltaics and solar thermal systems



High flexibility.

Simplified stockholding.

English translation of the German original

APPLICATION & BENEFITS

The benefits.

High flexibility: Specifically developed as a universal replacement plate, compatible with the majority of roof tile types commonly used in Germany, Austria and Switzerland.

Simplified stockholding.

Roof pitch: ≥ 15 degrees

Installation: Completed in a few steps, designed for maximum efficiency and ease of use.

Can be installed directly above one another.

Loads transferred directly into the timber structure (clay and concrete roof tiles are not loaded).

No risk of tile breakage.

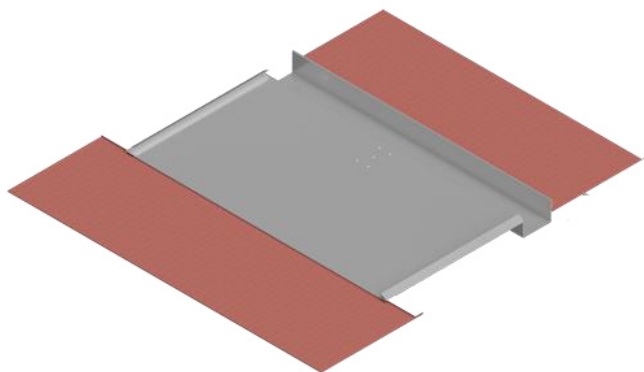
Suitable for high snow loads.

The rear reinforcement prevents water pockets and unwanted deformation. It transfers the load (the replacement tile's own weight) to the clay or concrete tile beneath, without requiring height compensation.

Normally no machining of clay or concrete roof tiles is required. In rare cases, the upper part of a roof tile may be too wide to fit into the intended recess in CLEVER-TILE®. In this case, the upper part of the roof tile must be machined.

Weather protection: The flexible formable sections and side water channels prevent the ingress of drifting snow and wind-driven rain.

Roof hooks: Two different hook shapes are available, depending on how the mounting structure is attached.



DIMENSIONS & MATERIALS

Technical data.

CLEVER-TILE ® STANDARD

Cover width

Up to 300 mm

Black and tile red

Cover length

300–390 mm

Anthracite and brown on request

XL on request: Cover width up to 330 mm. Cover length 391–450 mm. Uses the same roof hooks as CLEVER-TILE ® Standard. Black and tile red; anthracite and brown on request.

Base material and reinforcement tab

Aluminium, 0.8 mm and 1.2 mm respectively (building material class A1 according to DIN 4102)

Flexible formable section

Expanded-metal-reinforced EPDM with butyl adhesive strips (building material class B2 according to DIN 4102)

Shelf life: 12 months

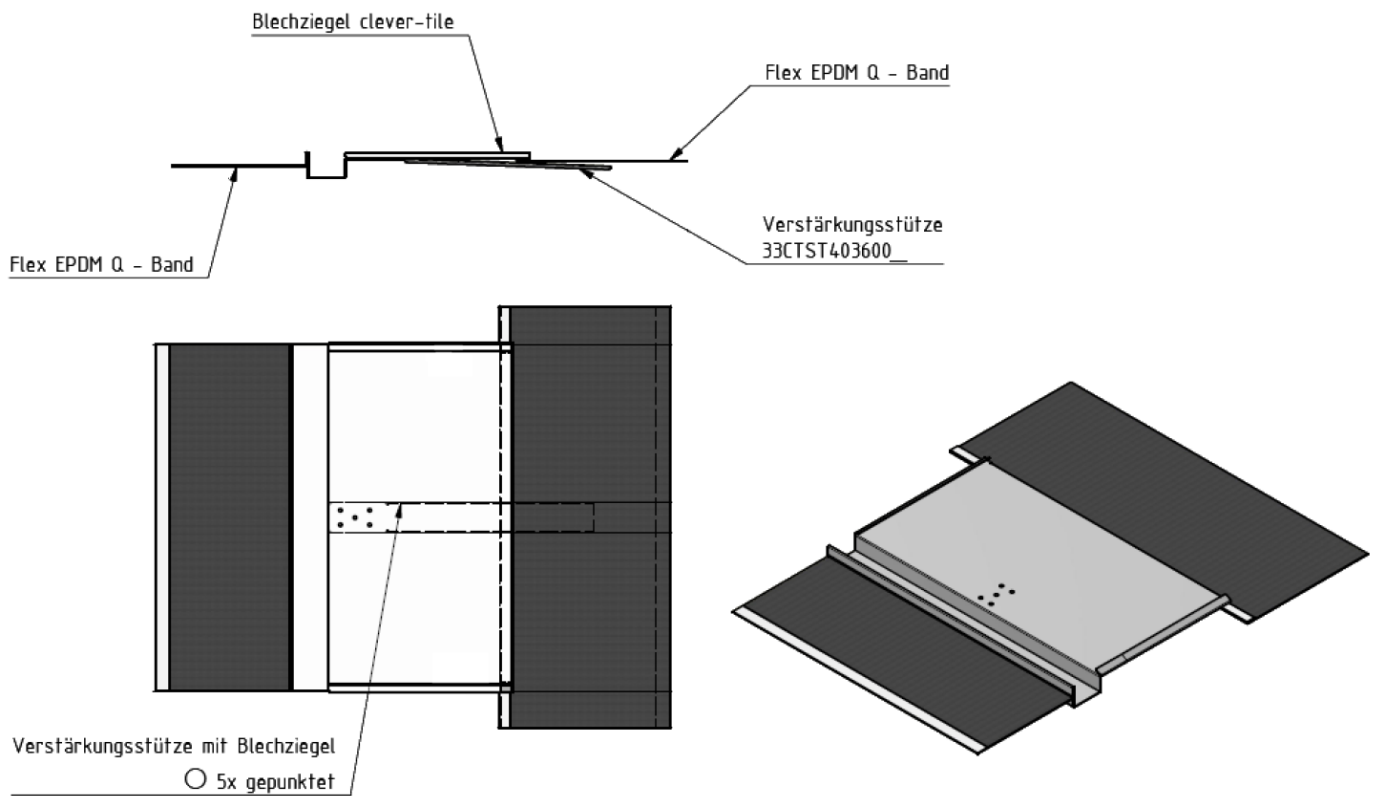
After this period, the release liner may become difficult to remove.

Material

Rolled aluminium sheet, EPDM, stainless steel roof hooks

CONSTRUCTION

The replacement tile.



Original dimensioned drawings. Dimensions and part references are unchanged.

Blechziegel

Flex EPDM Q-Band

Verstärkungsstütze

5x gepunktet

Universal replacement tile

Flexible EPDM strip

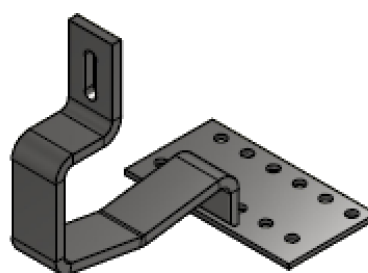
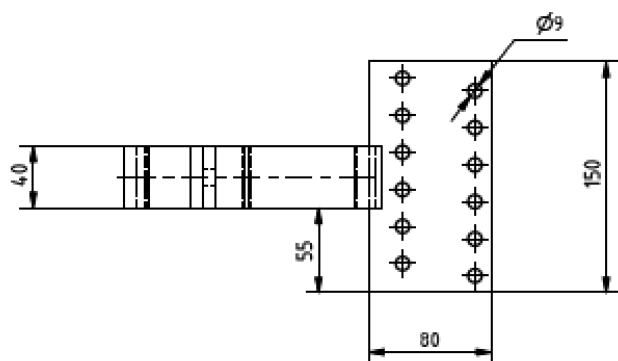
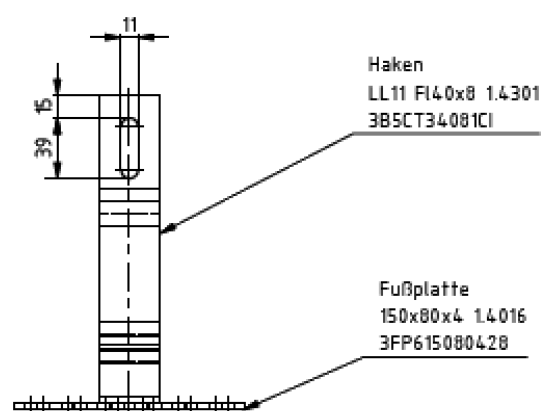
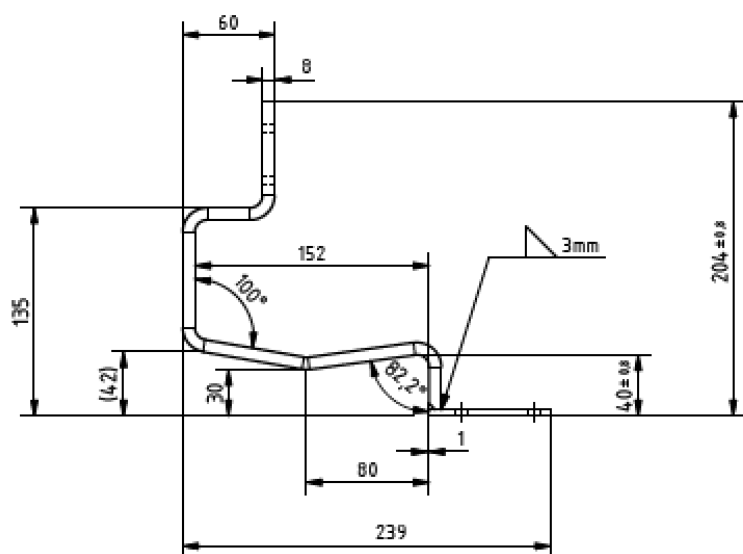
Rear reinforcement

Connected to the metal tile at five points

ROOF HOOKS

90° to the roof surface.

Roof hook: mounting at 90° to the roof surface, 11 mm slot.



Haken

Hook

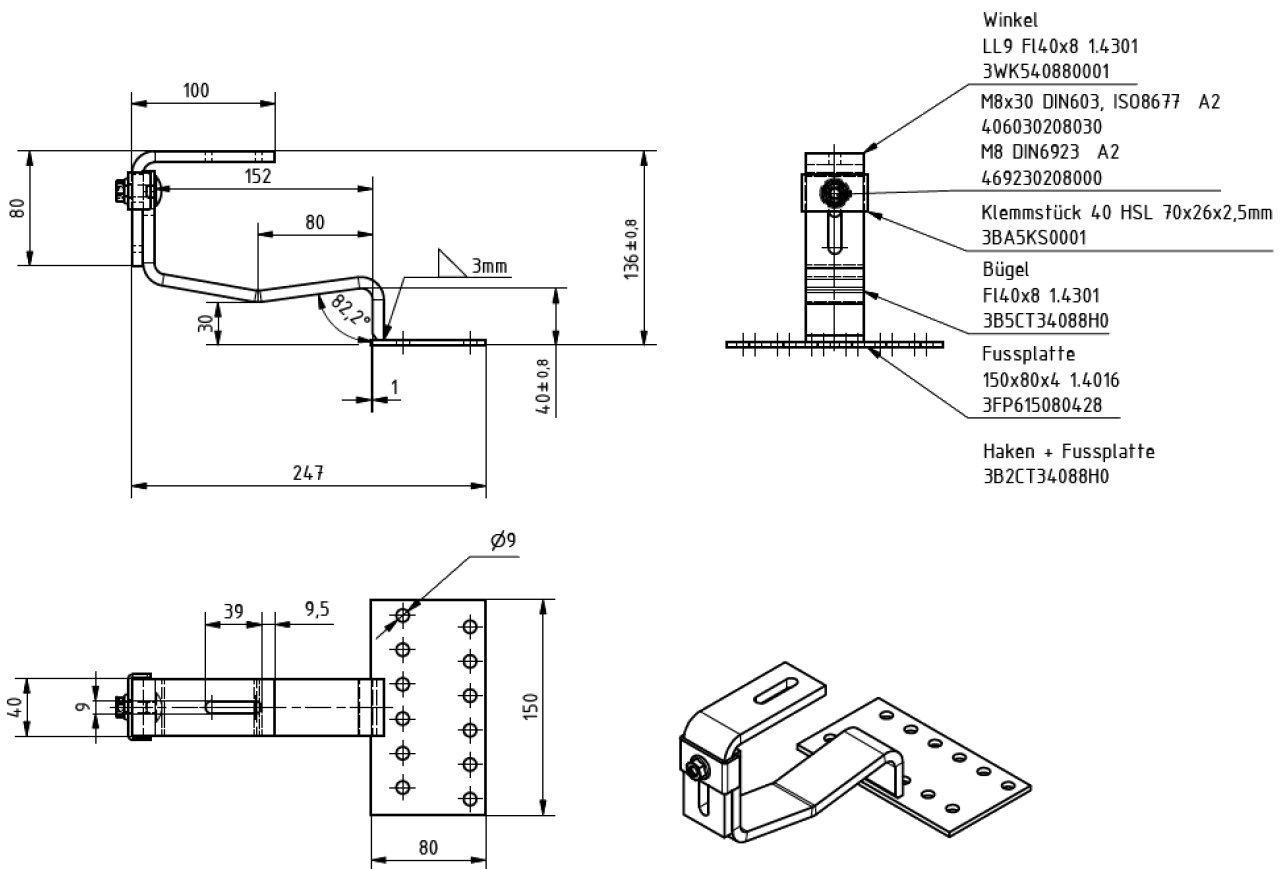
Fußplatte

Base plate

ROOF HOOKS

Parallel to the roof.

Roof hook: mounting parallel to the roof surface, height adjustable, 9 mm or 11 mm slot.



Winkel

Adjustable angle bracket

Klemmstück

Clamping piece

Bügel

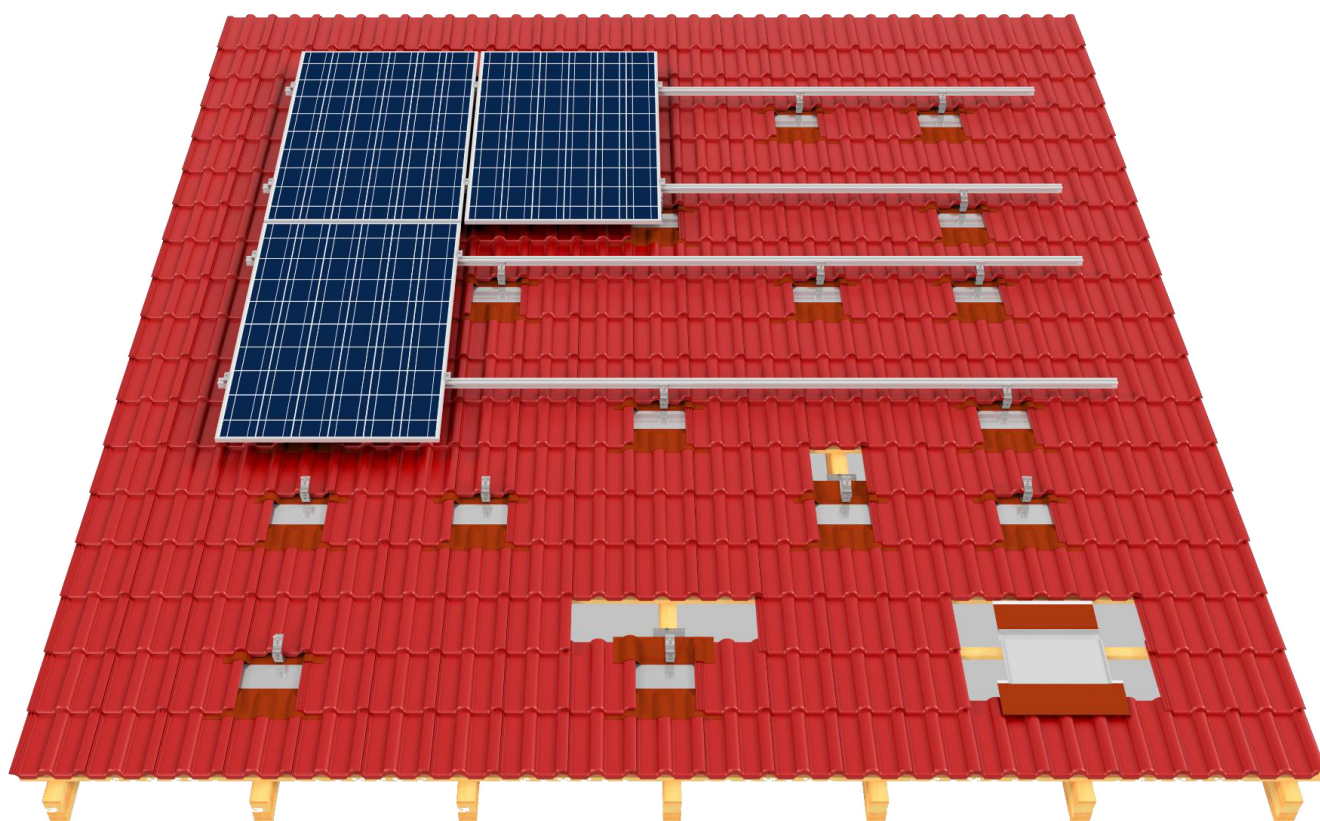
Hook bracket

Fußplatte

Base plate

CONTACT & DOCUMENTS

CLEVER-TILE®



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Installation video



YouTube

Installation guide



montageanleitung.clever-tile.de