Roof Bracket Set KK/KS

Solar Module / Collector Installation on Metal Roofing

These roof brackets allow the installation of photovoltaic solar modules and thermal solar collectors on the following roof types:

- Type KK for clipped standing seam (KalZip) roofs (round)
- Type KS for tapered standing seam roofs (plain)

The installation takes place without penetrating the roofing since the brackets are clamped to either the seams or the edges of the metal roofing sheets.

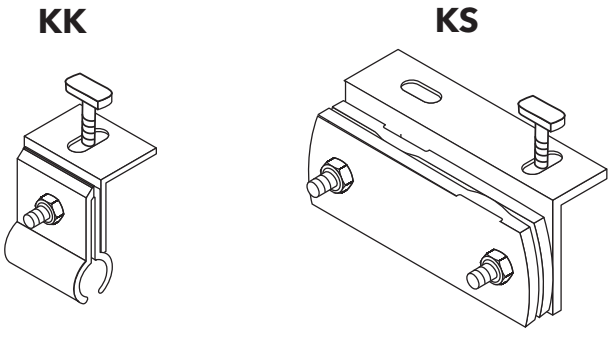


Figure 1 Roof brackets set type KK and KS

Determining the No. of Roof Brackets

- Dimensioning of the installation components (e.g. number of roof brackets, allowable supporting rail span) depends on the individual project, adhering to the applicable standards, within the EU to EN 1991-1-4 (Wind Actions) and EN 1991-1-3 (Snow Loads). If unsure, please inquire with our technical support for detailled information.
- Prerequisite for appropriate application always is a proper support structure that is strong enough to accommodate the occurring forces (weight, wind and snow loads).

Installation

- Roof bracket KK for clipped standing seam (KalZip) roofs (Fig. 2): Place the roof bracket with its clamping plates over the seam of the metal roofing. The round profile of the clamp has to completely encompass the round seam clip on both sides. Tighten screws.
- Roof bracket KS for standard/tapered standing seam roofs (Fig. 3): Place the roof bracket with its plates over the seam of the metal roofing. Both plates of the clamp must completely encompass the seam between them.

The collector supporting rails are afixed on the roof brackets using T-bolts.

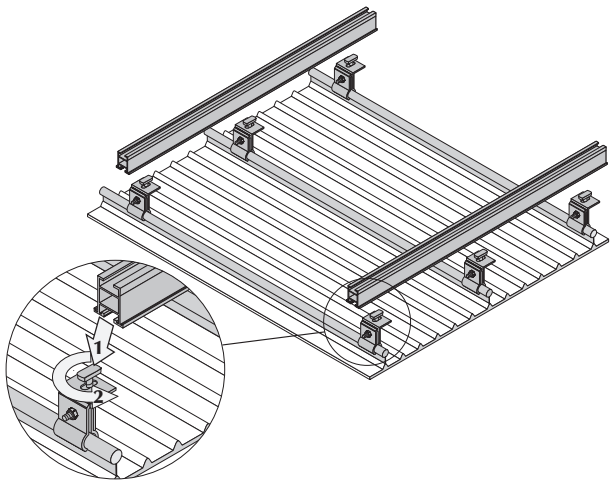
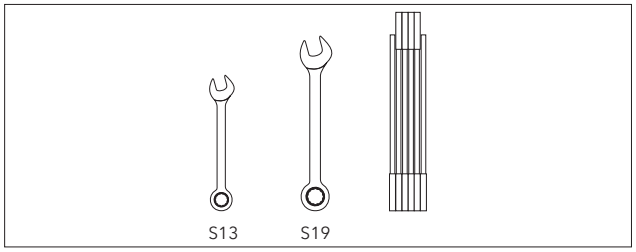


Figure 2 Installation of roof bracket type KK

Torques of the Screws	
Rof bracket KK clipped standing seam (KalZip) roof	25 Nm
Roof bracket KS tapered/standard standing seam ach)	35 Nm



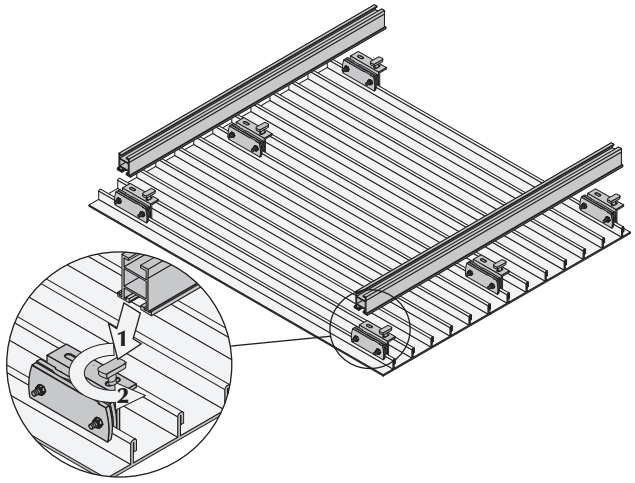


Figure 3 Installation of roof bracket type KS

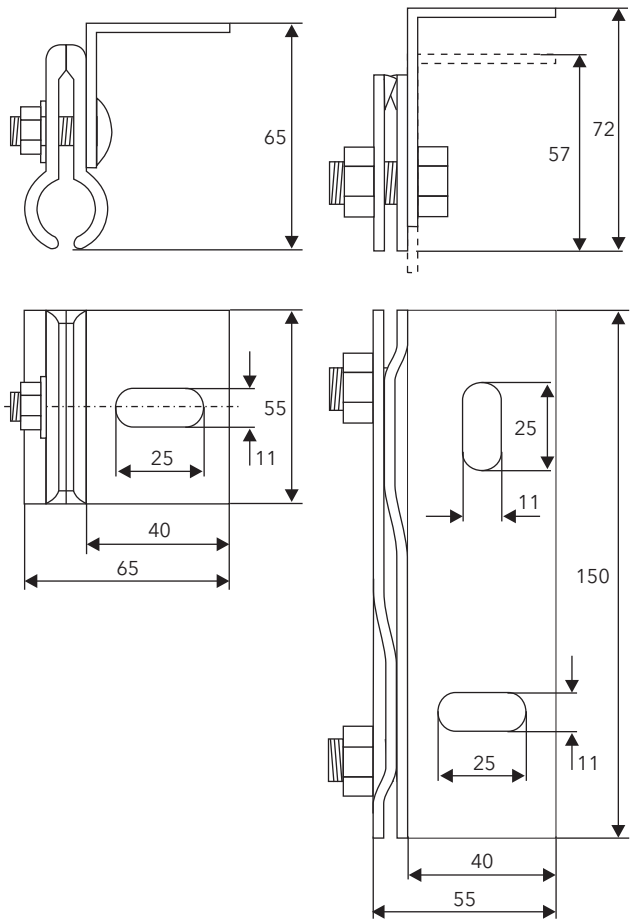


Figure 4 Roof bracket dimensions in mm

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