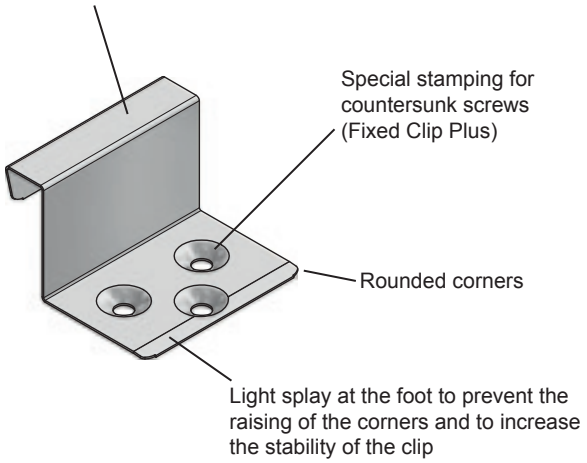
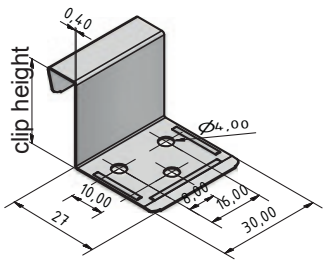


Fixed Clip

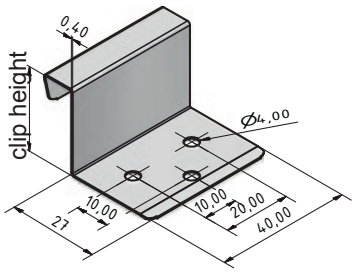
- Material: stainless steel V2A 1.4301
- Sheet thickness: 0,4 mm
- PU: 500 pcs, Height 50mm 400 pcs

Fixed clips 30 mm wide



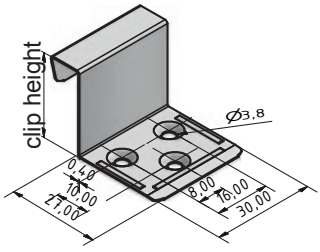
Height	Article-No.
25 mm	P HE15525
26 mm	P HE15526
28 mm	P HE15528
30 mm	P HE15530
32 mm	P HE15532
38 mm	P HE15538
50 mm	P HE15550

Fixed clips 40 mm wide



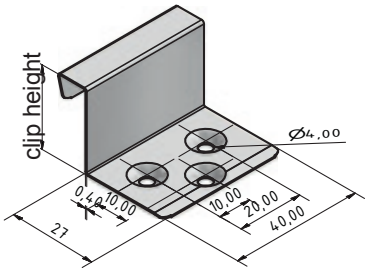
Height	Article-No.
25 mm	P HE15025
26 mm	P HE15026
28 mm	P HE15028
30 mm	P HE15030
32 mm	P HE15032
38 mm	P HE15038
50 mm	P HE15050

Fixed clips PLUS 30 mm wide



Height	Article-No.
25 mm	P HE15525PL
28 mm	P HE15528PL
30 mm	P HE15530PL
32 mm	P HE15532PL

Fixed clips PLUS 40 mm wide



Height	Article-No.
25 mm	P HE15025PL
28 mm	P HE15028PL
30 mm	P HE15030PL
32 mm	P HE15032PL

Application

Metal roofs and facades are exposed to external environmental influences such as wind and temperature-induced length expansions. To avoid damage a correct positioning of the fixed and sliding clips is required. The laying arrangement of the sliding clips is dependent on the roof inclination and must be taken from the plumbing/tinsmith rules and regulations of the ZVSHK.
Note: In all cases the technical regulations (of the respective countries), legal regulations (of the respective countries), statics and local conditions must be observed!

Quality

All fixed clips are industrially produced with stamping and bending machines. Internal quality controls ensure a consistently high quality of fastening elements.

Extraction values

The extraction values of the fixed clips depend on the quality of the roof substructure and the fasteners used. For the clips extraction values of 600 N (60 kg) can be assumed. However, the maximum clip distance must not exceed 500 mm.

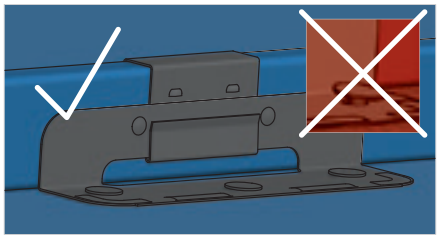
Fasteners

The following fastening materials must be used for mounting the fixed clip:

- Grooved nails made of stainless steel according to DIN 1052 and according to load capacity class 3/C ≥ 2.5 x 25 mm
- Countersunk head screws in stainless steel 4.0 x 25 or 4.0 x 30 mm with lead covers

Installation

Careful assembly of the individual clips is indispensable. Nails, screws, etc. which are protruding from the surface, should be reworked as this could lead to injuries to the roof skin. When using countersunk head screws as fasteners,



we recommend using the Fixed Clip Plus with countersunk holes.

Roof substructure

The roof skin and its fastening can only withstand the stresses the roof substructure can withstand. Before applying the fastening, the structure of the substructure must be checked for the required quality and strength.

The required nominal thickness of the formwork for roofing is at least 24 mm (22 mm for wood-based panels) at the time of installation.

Use of noise protection mats

When using noise protection mats under the sheet metal panels, the compressed height of the mat must be adapted to the clip height. In the case of Kling sliding clips, the clip height is adjusted over the lower part and this increases the dimensional stability of the clip when using noise protection mats.

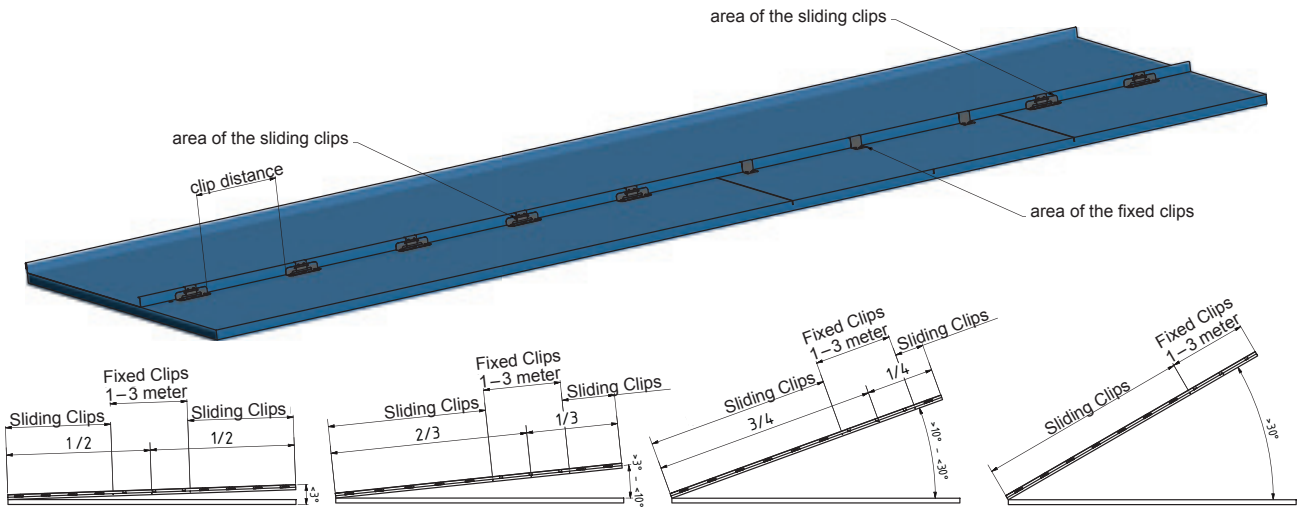
Use

The fixed clips prevent the sheet metal roof from slipping off. The number of fixed clips used must be adapted to the weight of the roof, the inclination of the roof and additional superstructures such as snow retention systems and solar systems. For high snow and wind loads such as in the alpine area or near the coast, it is recommended to use clips with a width of 40 mm.

Arrangement

The arrangement and the number of fixed clips is dependent on the loads to be absorbed, the inclination of the roof and the expansion possibilities at the ridge and eaves. The fixed clips are arranged on a length of 1 – 3 m as shown in the figure below. When using snow and solar systems, the number of fixed clips must be adapted to the loads that are to be expected.

Range of fixed clips depending on the inclination of the roof



roof pitch: 0° up to 3° | roof pitch: 3° up to 10° | roof pitch: 10° up to 30° | roof pitch: bigger 30°