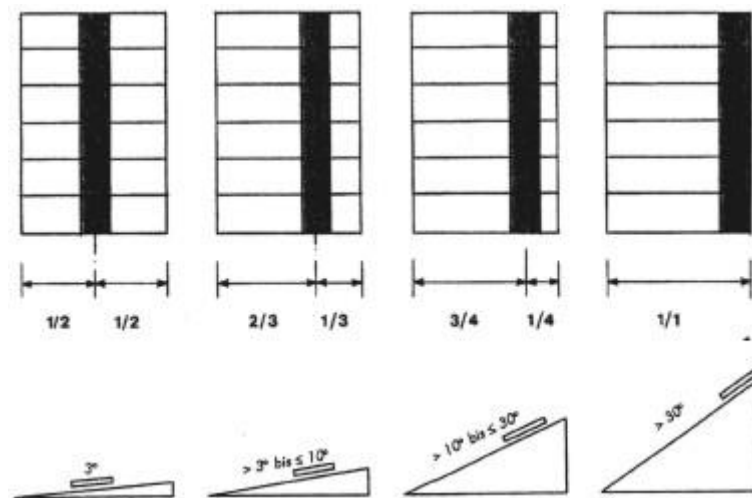


Metal roofings as well as wall covers are exposed to several different weather conditions and environmental impacts e.g. wind and temperature differences. These conditions cause expansions in length and make the use of fixing and sliding clips indispensable.



Comments for assembly of clips:

- Given that each case of snow load by following DIN 1055-4 (loading assumption for construction of buildings, Wind forces) and DIN 1055-5 (Load assumption for construction sites, snow- and ice load) is individually, the execution of clips has to be done according the current regulations of the german roofing craftsmanship.
- Using “double-standing-seam-systems” and “sheet-systems” the layers have to be fixed that way, so that upcoming expansions in length can be composed / equalized at the roof eaves and on the verges. The following indications give information about where the clips have to be placed: Roof pitch, area of penetration and sheet length. How many fixing clips you have to use depends on the following indications: load bearing, roof pitch, expansion possibilities at the verges and eaves.
- The fixing clips will be placed at a scope of 1-3 meters, according to the following illustration. By using snow retention systems or solar modules on standing seam roofings, the number of fixing clips has to be adjusted according to the expected additional load bearing on top the roofing. For cladding panels the positioning of fixing clip has to be done at the areas of the square folding resp. at the upper area of the sheets.
 - **Illustration shows the designation of fixing clips on roofing layers by considering the roof pitch.**



- According to the sheet length you have to consider of using long sliding clips.
- Check materials used. We recommend Clips made from stainless steel which fit together with every kind of material.
- If you use structured mat or any kind of sub constructions you have to consider using higher clips to avoid tension and possible pressure or deformation. Corresponding clips with height up to 38 mm are available.
- Please only use nails, pegs or screws which quality is according to the regulations of the german roofing craftsmanship.

Please note our large product range around metal roofs: snow retention systems, step brackets, solarholders and our programm about clips. Further informations you will find on our homepage.