

THE THREE RIB-ROOF PRINCIPLES

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SIMPLY COVERING FUNCTIONS

CONSISTENTLY TOWARDS THE TARGET SET

The unique feature of RIB-ROOF metal roofing systems is the way they are installed. It gives you unbeatable advantages in planning, project processing and its roof function. Your possibilities increase – in design and calculative.

The RIB-ROOF installation technology is based on technical features: The three RIB-ROOF principles. Our metal roofing systems differ in appearance, though our RIB-ROOF principles can uncompromisingly be realized in all our different systems.

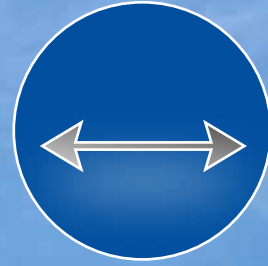




holding clip



profiled sheet



physical forces



3 PRINCIPLES

geometrical
conformity

installation
efficiency

system
efficiency





#1

GEOMETRICAL CONFORMITY

The **profiled sheet seam** and **clip form a construction unit** at all RIB-ROOF metal roofing systems. The clip head exactly corresponds to the inner shape of the profiled sheet seam. Clip and seam height are compatible. All elements are exactly manufactured, no further adjustment works at construction site are necessary, e.g. mechanically zipping.

ADVANTAGES



ABSORBING HIGH WIND LOADS

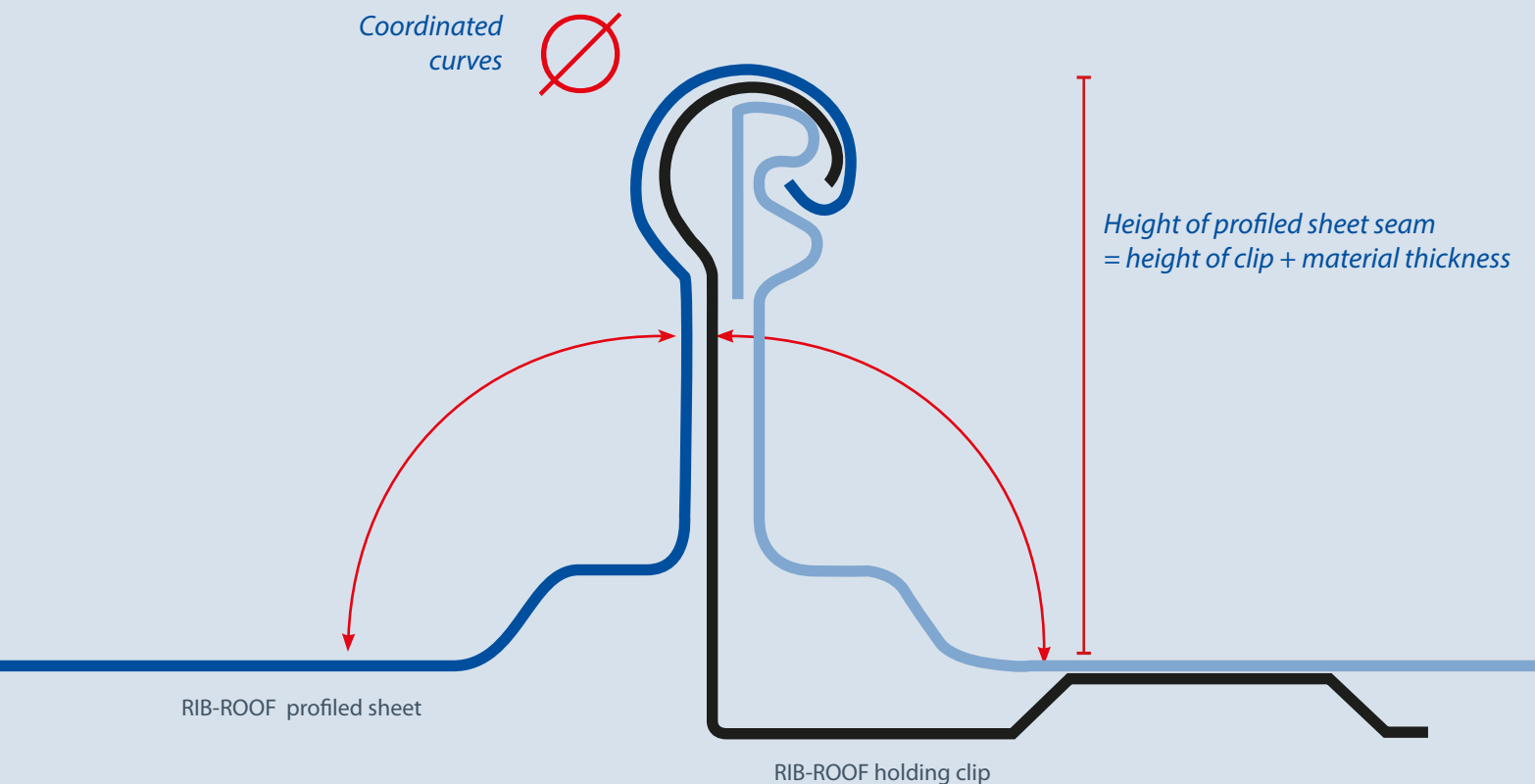
High suction forces do not harm the RIB-ROOF profiled sheets. It can be used both in the mountains and on seashore as a building envelope.

ABSOLUTE RAIN RESISTANCE

RIB-ROOF metal roofing systems are non-penetrating installed. No screws or retaining elements perforate the roof skin.

LONG DURABILITY

Clip and profiled sheet seam mutually stabilize each other through their geometry. Now they are consistently connected. Leverage forces, tilting movements and unwanted bending are excluded.



#2

INSTALLATION EFFICIENCY

The installation technology of all metal roofing systems has been optimized in such a way that the roof covering can thus be realized quickly and with little effort. The **direct profiled sheet - clip installation** of all systems provides for a smooth and fluent installation process. No mechanically zipping is necessary due to the profiled sheet connection with the RIB-ROOF seam.





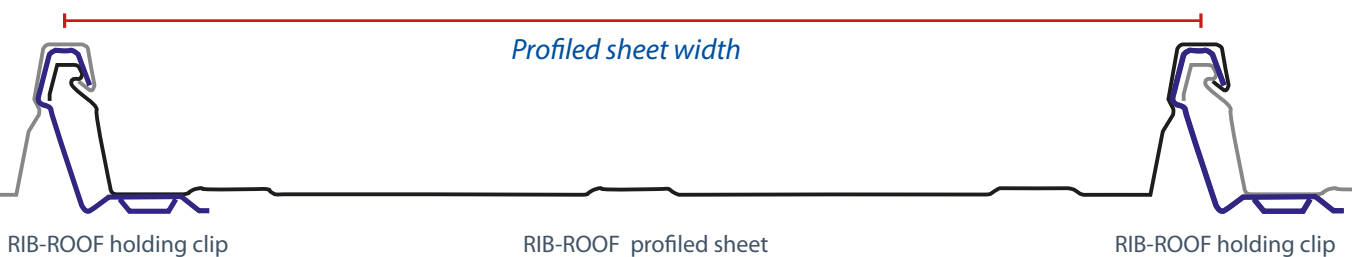


Simple steps for a perfect result

THE DIRECT PROFILED SHEET- CLIP INSTALLATION

... dispenses with the complex determination of the correct clip position before installing the profiled sheets. The construction width of the profiled sheet determines the next row of clips. At first, the clip is swivelled into the profiled sheet, then the clip is screwed with the substructure.

The profiled sheet width determines the position of the next row of clip so that each clip fits properly.



ADVANTAGES



SIGNIFICANT SAVING IN TERMS OF TIME

The process regarding the pre-measuring and positioning of all retaining clips is omitted.

NO TOLERANCE ERRORS

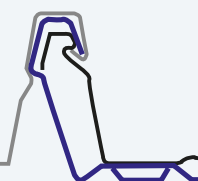
If the profiled sheets are correctly installed, later appearing weak points, caused by false positioning of clips, can be avoided.

LONG-TERM FUNCTIONAL RELIABILITY

All clips are parallel mounted to the profiled sheet. The roof skin can stretch free from tension and, in return, shrink.

At first swivel in, then tighten!

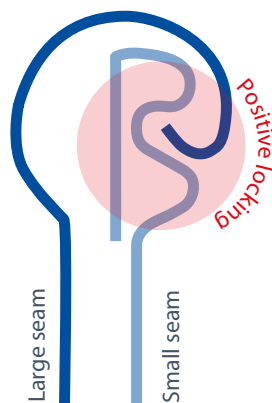
In doing so, the clip is aligned parallel. It is much easier to comply with tolerances. Negative tensions impacting the profiled sheet connection are avoided on this occasion.



Long enjoyment on a positive result

THE RIB-ROOF SLIDING STANDING SEAM

The RIB-ROOF profiled sheet connection uses the principle of a positive locking. The positive locking arises out of interlocking of adjacent profiled sheet seams. The next profiled sheet is swivelled in and is clicked into the clip. Therefore, no mechanically zipping of the profiled sheet seam is necessary anymore.



Detailed view of profiled sheet connection



Swivel in instead of clamping!

The profiled sheets are swivelled into the already installed profiled sheet and fixed clips. The rotation locks everything into place. It creates a secure connection.

ADVANTAGES



SECURE PROFILED SHEET CONNECTION

The positive connection cannot be released under high stress.

OPTIMAL SLIDING ABILITY

No screwing of the profiled sheets is necessary due to the connection of the RIB-ROOF clips. There will arise no compressive and upsetting forces which could damage the material.

HIGH DIFFUSIVITY

The profiled sheet connection by means of a positive locking allows for a better water vapour permeability as profiled sheet zipping.

#3

SYSTEM EFFICIENCY

The development of the RIB-ROOF metal roofing systems takes place by a constant quest regarding the system efficiency. An **individual customizable roof skin** has been created by prior mentioned repeating process. All technical components can be adapted to the project needs. Different shapes of profiled sheets, specific demanded fixing clips and an additional functioning scope of accessories result **in a homogeneous metal roof**, appropriate for the necessary construction task.

ADVANTAGES

ICH MACH'S EINFACH.



REDUCTION OF PROJECT COMPLEXITY

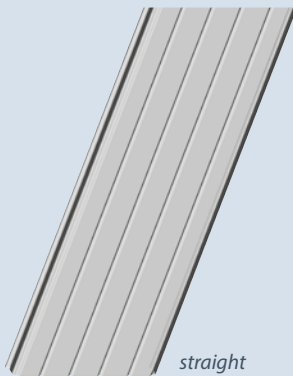
The RIB-ROOF installation technology reduces the planning effort and offers for more calculation reliability.

FUNCTIONAL SAFETY AT ANY TIME

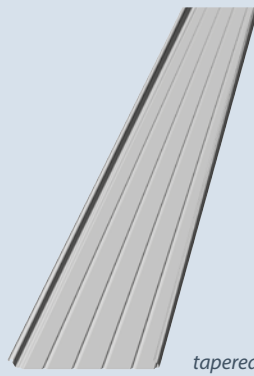
Depending on the load, effecting the roof surface or the required roof geometry, demand-dependent holding clips are available for each RIB-ROOF system.

THE VARIETY OF FORMS OF THE RIB-ROOF PROFILED SHEETS

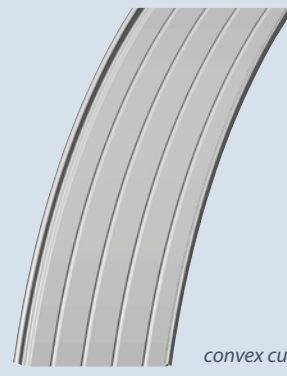
System RIB-ROOF Evolution



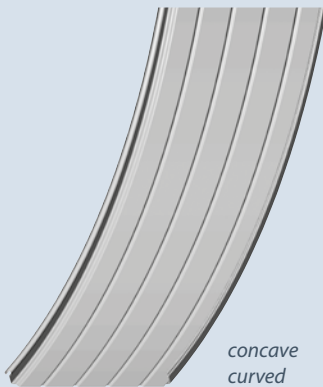
straight



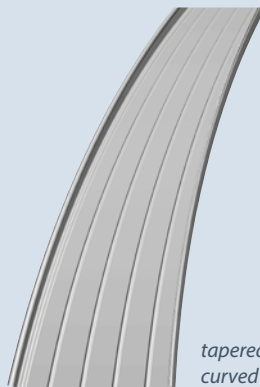
tapered



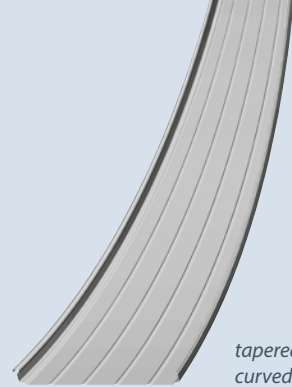
convex curved



concave curved



tapered convex curved



tapered concave curved

THE INNOVATIVE HOLDING SYSTEMS

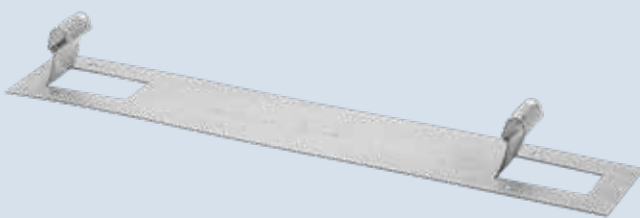
on basis of different examples



Standard clip RIB-ROOF Speed 500
Quick installation of simple roof areas
without increased demands.



Turned standard clip RIB-ROOF Speed 500
Secure installation of curved profiled sheets
with radii less than 100 m.



The RIB-ROOF Speed 500 clip border
The clip border can directly be fixed onto the supporting
structure in the case of fully-bonded supports. Such a process
saves time with a maximum fastening safety.



Directional clip 200 mm RIB-ROOF Evolution
Ideal for optimization for the control of long profiled
sheets or with increased wind loads.



The use of wooden substructures saves weight and is, therefore, often the only appropriate solution in the case of renovation.

ROOF BUILT-UPS FOR EVERY EXECUTION

All common substructures are possible for the RIB-ROOF metal roofing system. Our systems are, therefore, equally suitable for economical new buildings, challenging architecture and roof renovations.

ADVANTAGES

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APPROPRIATE FREEDOM OF CHOICE REGARDING INSTALLATION TECHNOLOGY

Whether thermal insulation with diffusion-open protective sheet or compressed thermal insulation - everything is possible.

INSTALLATION-FRIENDLY ENERGY EFFICIENCY

The best U-values for RIB-ROOF metal roofs can even be reached with a simple substructure.



ADAPTED ACCESSORIES

RIB-ROOF metal roofs characterize themselves by an extended range of functions. You will find some processed ready-to-install-components in our systems.



Accessories, as the fall arrest system pictured above, can be installed without perforating the profiled sheet seam by means of system-own brackets.



Photovoltaic modules can be fastened on the roof by means of our solar bracket.



Safety on the roof provide for different conformist fall arrest systems.

ADVANTAGES

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ABSOLUTE RAIN RESISTANCE

All RIB-ROOF components are fixed in such a way that no roof penetration is necessary.

READY-TO-INSTALL

A RIB-ROOF roof can functionally be extended at any time due to its large range of accessories. All of those are approved components which can quickly and easily be installed.

HIGH EFFICIENCY

The RIB-ROOF systems cover most of all common applications by means of their delivery program. This keeps the organization and planning effort temporally and arithmetically simple. The roof can be refitted at any time.



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SIMPLY COVERING FUNCTIONS

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