



Enhancing Building Envelope



The
ROOF
Systems

OPENING UP NEW
HORIZONS.....
ALWAYS

The standout feature of metal roofing systems is their unique installation method, offering unparalleled benefits in planning, project execution, and roofing performance. This method expands your possibilities in both design and calculations.

ROOF installation technology relies on three core principles, forming the basis of our systems' technical features. While our metal roofing systems vary in appearance, the ROOF principles are consistently implemented across all our different systems without compromise.

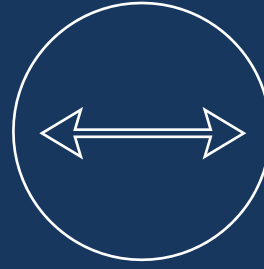




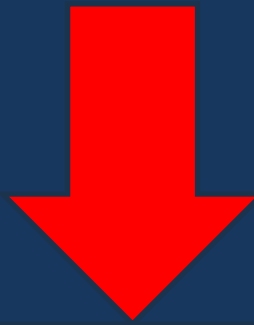
HOLDING CLIP



PROFILED SHEET



PHYSICAL FORCES



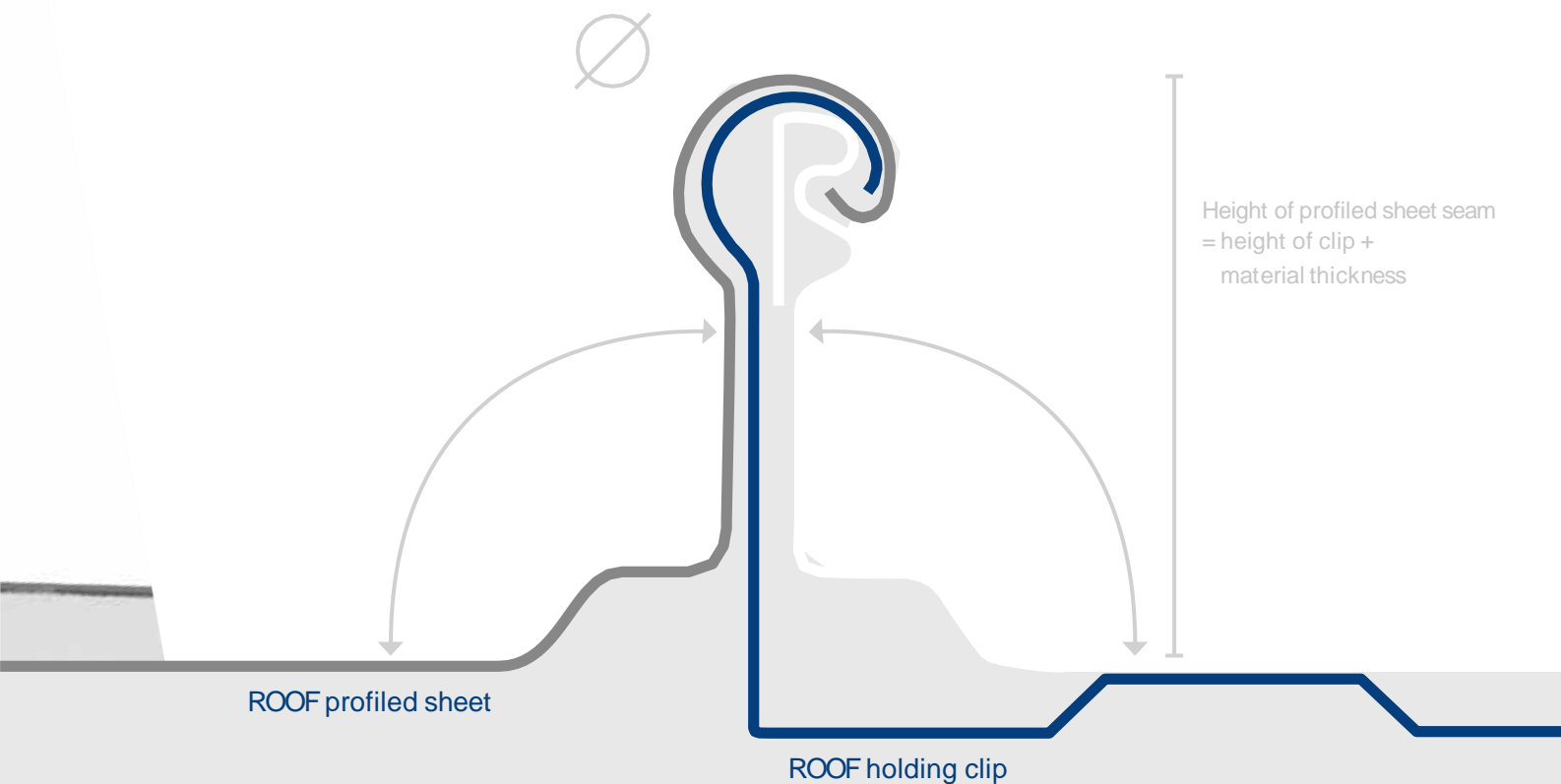
KHAPRI STATION

ROOF
System

#1

Alignment

In all metal roofing systems, the profiled sheet seam and clip form a unified construction unit. The clip head precisely matches the inner shape of the profiled sheet seam, ensuring compatibility in clip and seam height. All elements are manufactured to exact specifications, eliminating the need for additional adjustments on the construction site, such as mechanical zipping.



Features :

WITHSTANDS HIGH WIND LOADS. ROOF profiled sheets remain unaffected by high suction forces, making them suitable for use as a building envelope in both mountainous regions and coastal areas.

COMPLETE RAIN RESISTANCE. ROOF metal roofing systems are installed without any penetration, ensuring that no screws or retaining elements puncture the roof surface.

EXTENDED DURABILITY. The clip and profiled sheet seam are geometrically designed to mutually stabilize each other, ensuring a consistent connection that prevents leverage forces, tilting movements, and unwanted bending.

ROOF
System

#2

Ease Of Installation.

The installation technology for all metal roofing systems has been optimized to enable quick and effortless roof covering. The direct profiled sheet-to-clip installation across all systems ensures a smooth and seamless process. The ROOF seam connection eliminates the need for mechanical zipping.





Simple steps for a perfect result.


The direct profiled sheet-clip installation.

Zambelli 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.

Advantages.

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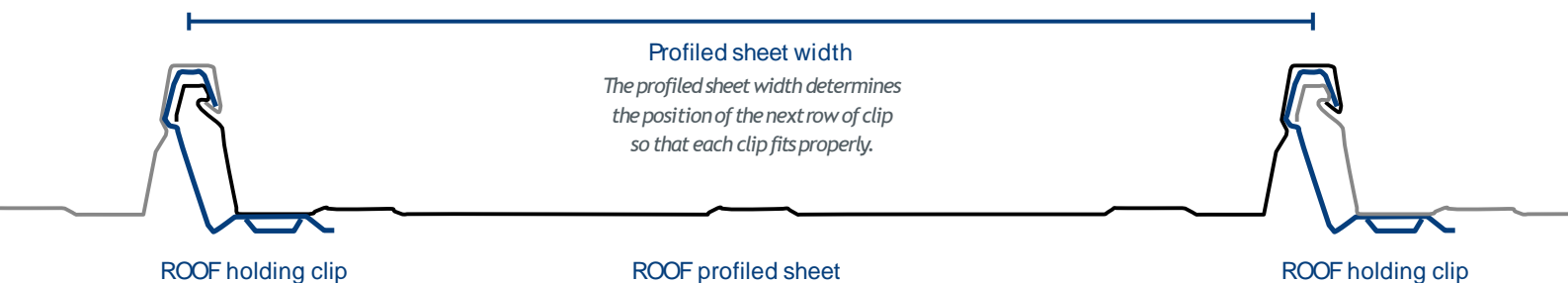
SIGNIFICANT SAVING IN TERMS OF TIME.
The process regarding the pre-measuring and positioning of all retaining clips is omitted.
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NO TOLERANCE ERRORS.
If the profiled sheets are correctly installed, later appearing weak points, caused by false positioning of clips, can be avoided.
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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.



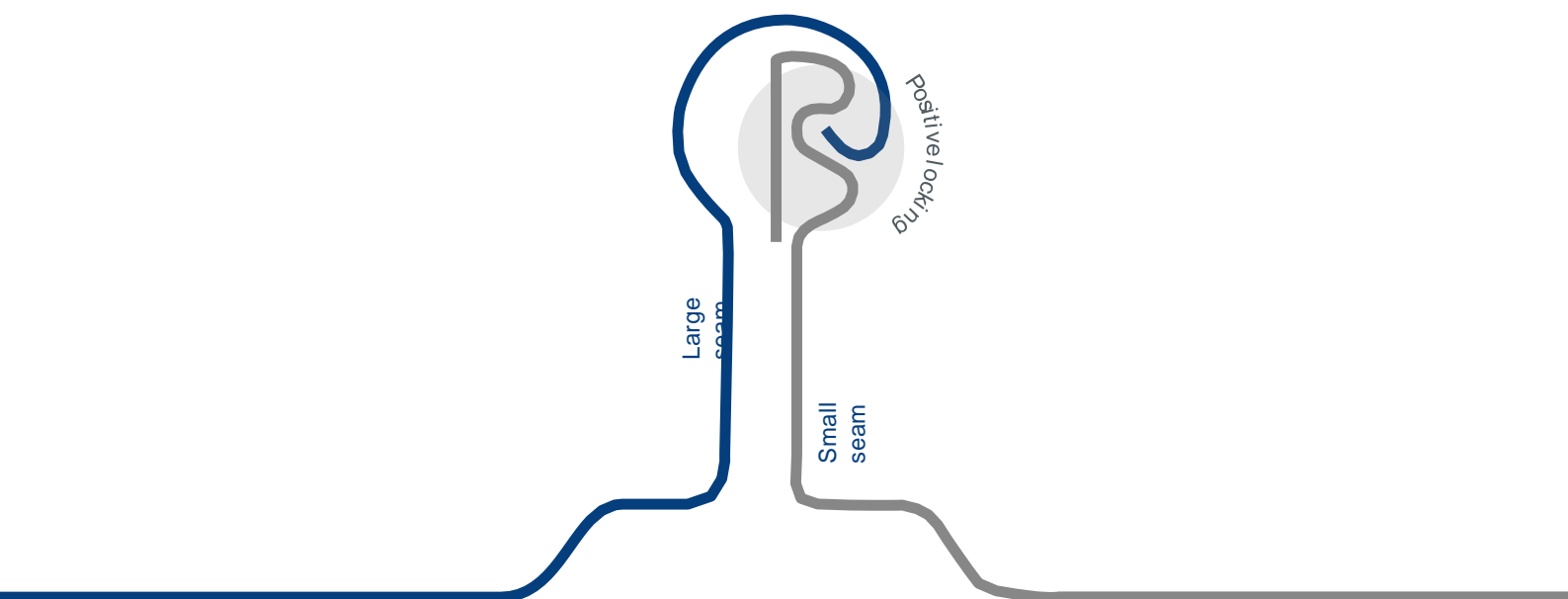
Long enjoyment on a positive result.

The ROOF sliding standing seam.

The 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.

Benefits.

- ✓ **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.



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.



ROOF
System

#3

Full Proof System.

The development of metal roofing systems is driven by a continuous pursuit of system efficiency. This ongoing process has led to the creation of a customizable roof skin. All technical components can be tailored to meet project requirements, including various shapes of profiled sheets, specific fixing clips, and a wide range of accessories. The result is a cohesive metal roof suited to the specific construction needs.

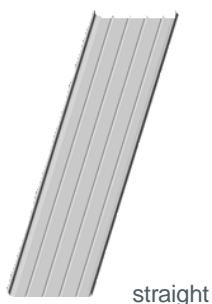
Features :

SIMPLIFIED PROJECT MANAGEMENT. ROOF installation technology reduces planning efforts and enhances calculation reliability.

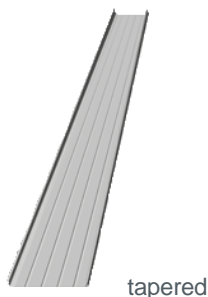
CONSISTENT FUNCTIONAL SAFETY. Each ROOF system offers load-specific holding clips tailored to the roof's load and geometry requirements.

The variety of forms of the ROOF profiled sheets.

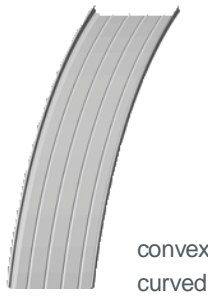
On basis of ROOF Evolution system



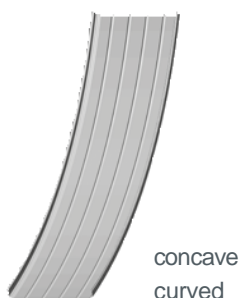
straight



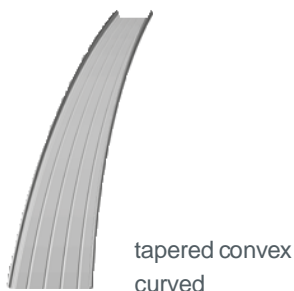
tapered



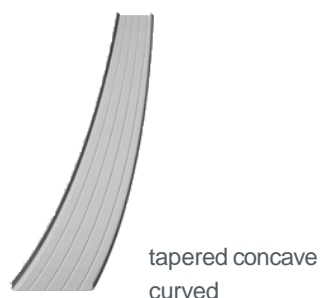
convex curved



concave curved



tapered convex curved



tapered concave curved

The innovative holding systems.

On basis of different examples



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



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



The 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 ROOF Evolution

Ideal for optimization for the control of long profiled sheets or with increased wind loads.

Versatile Roof Configurations:

Metal roofing systems are compatible with all common substructures, making them ideal for economical new constructions, complex architectural designs, and roof renovations

Features :

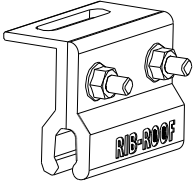
FLEXIBLE INSTALLATION OPTIONS : Whether using thermal insulation with a diffusion-open protective sheet or compressed thermal insulation, all options are available.

ENERGY-EFFICIENT AND EASY TO INSTALL : Metal roofs can achieve optimal U-values even with a simple substructure.



Adapted accessories.

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



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

Features :

COMPLETE RAIN RESISTANCE: All ROOF components are designed for installation without roof penetration.

INSTALLATION-READY: A roof can be easily and quickly extended with its wide range of approved accessories.

HIGH EFFICIENCY.: ROOF systems cover most common applications with their comprehensive delivery program, simplifying organization and planning. The roof can be upgraded at any time.



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

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

Marketed By:



C. Manufactured By:



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