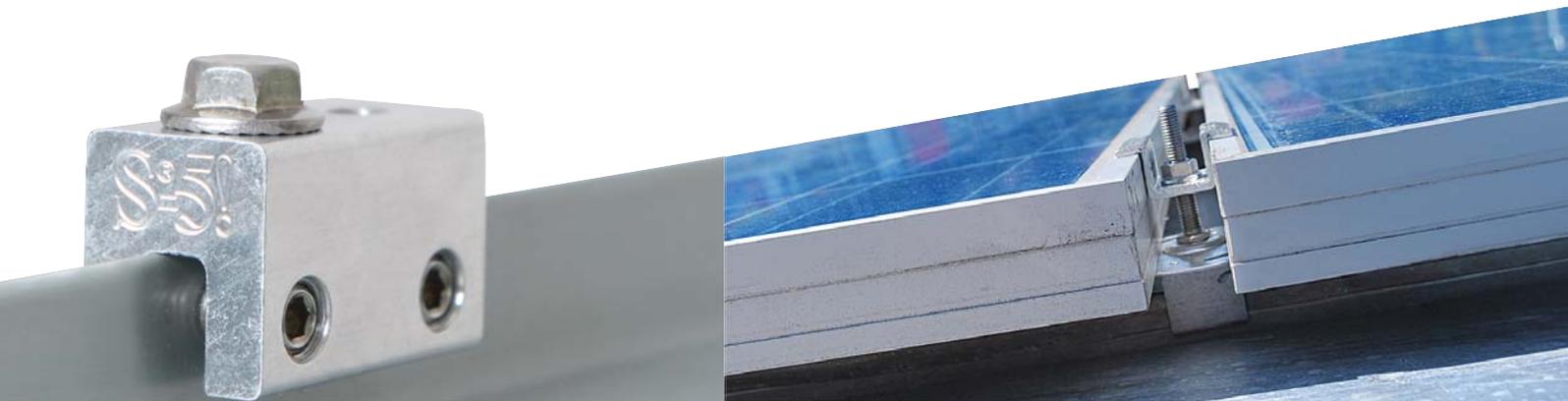


Clamps from S-5![®]

and their Applications



Metal roofs are known to be a safe and permanently tight roof covering. With S-5! clamps various installations such as PV-panels, snow retention and many other items can be mounted easy, securely and without piercing the metal roof.

The patented S-5! Clamps provide reliability, durability and unmatched holding strength which can't be achieved by other products in the market. The setscrews compress the seam material against the opposite wall of the clamp. They will "dimple" the seam material, but will not penetrate it. Threaded holes in the clamp or flange enable the easy attachment of various applications.



- + Unsurpassed holding strength
- + Simple and fast installation
- + Tested on many different materials and profiles
- + S-5-E- and S-5-Z-Clamps have the technical approval by the DIBt: Z-14.4-719

Attach anything to standing seam metal roofs with S-5! clamps – permanent and safe

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Snow Retention Systems

ColorGard – the Snow Retention in the Colour of the Roof

S-5-ColorGard® is the snow guard system which perfectly matches with the colour of almost each metal roof. This is done by the insertion of a strip of roof material into the ColorGard®-rail thus avoiding expensive costs for coating when the snow guard shall be coordinated with the colour of the roof.

Mounted on S-5!® Clamps ColorGard® can support higher loads than other systems. In many cases you will need less clamps or rows for ColorGard®.



Foto: Rheinzink

- + Snow Retention in the colour of the roof
- + For high snow loads
- + Oblique mounting is possible
- + SnoClip with rubber foot

RoofTech Single- and Double Tube Snow Retention

Snow retention with the RoofTech Single Tube Holder Type B is a strong and visually attractive system. The Single-Tube holder, material stainless steel, will be fixed on the S-5! Mini-Clamp and a common 32 mm-tube will be sliding thru the tube holder. Icestopper are optionally available.

Some projects require a higher snow retention system, for example in areas with heavy snowfall or roofs with solar panels on. The stainless RoofTech Double Tube Holder for two 32 mm tubes can be fixed on two S-5! Mini-clamps and mounted safely on the seam. The top pipe is 16 - 20 cm high above the seam.



Single Tube Holder fixed with S-5! Z-Mini clamps on a round bulb seam roof



Double Tube holder fixed on S-5! E-Mini clamps

- + Discreet appearance
- + Strong fixed with the S-5! Mini Clamps
- + Material Stainless Steel
- + Can be used on copper roofs

Various Applications with S-5!® Clamps



S-5!® and Solar Installations

Clamps from S-5! for Railsystems

The Mini-Clamps from S-5! provide sufficient holding strength to install PV-systems on many types of standing seams metal roofs without penetrating them.

The Mini-Clamps with a M8-threaded top hole and M8-bolt can be used for C- and U-rails as well for installations with an angle adapter plate.

To mount rail-systems with the screw channel located on the underside, the E- and Z-Mini-Clamps with flange are the right choice. The hammer-head bolts can be fixed quickly and securely through the slot on the flange. For mounting on the Mini-Clamps without flange we offer a stainless steel adapter plate.



Z-Mini clamp under a C-rail



Rail system fixed with S-5! E-Mini clamps on a double folded seam roof.



Rail with a screw channel fixed on E-Mini-FL.

S-5!® PV-Kits for Cost-Efficient Direct-Mount

With the S-5! PV-Kit you can fix photovoltaic modules with frames from 33 to 64 mm directly onto the standing seam, without using rail-systems. The S-5!-Mini-clamps with its bullet-nosed screws are the ideal connection to the standing seam roof and guarantee unsurpassed holding strength without piercing the roof.

The S-5!-PV-Kit includes a module clamp, a bearing plate with cable holder, a stud and a nut for the mounting onto S-5! Mini-Clamps. The S-5!-PV-Kit and the S-5!-Mini-clamps (depends to the seam) will be sold separately.



S-5-PV-Kit Edge/End Condition



S-5-PV-Kit universally fit both fields (2 panels) and be also the end condition



S-5! PV-Kit mounted on a S-5! - Mini - Clamp

The S-5!® Clamp Assortment



The Clamps from S-5! come in a variety of options with M8 thread on top and a M8 Stainless Steel bolt. The normal clamps with two bullet-nosed, stainless steel screws for attachment to seams are used for heavy demands e.g. fall protection systems and in the ColorGard® snow retention.

The Mini-Clamps with one set-screw are utilized when multiple clamps are required for the attachment of rigid objects, to the seams. For further information, mounting instructions and test results concerning the holding strength please contact us or see on www.rooftech.de.

E-Clamps for Double Folded Seams

For double folded standing seam roofs made of aluminum, titanium-zinc, stainless steel or coated galvanized steel. (Official approved by the DIBt.: Z-14.4-719)



S-Clamps for Snap Lock and Angle seams

With a bigger opening slot of 14mm the S-Clamps are extremely versatile for a big number of industrial seams such as Snap-Lock or Snap-together profiles, Fischer Kliptec, Privé, etc. and angle seams.



Z-Clamps for Round Bulb Seams

Z-Clamps are specially developed to fit profiles having round "bulb" seams with a 23mm diameter such as roofs of Kalzip®, Bemo®, Aluform, Euroseam® or Kingspan. (Official approved by the DIBt.: Z-14.4-719).



B-Clamps for Copper roofs

The B-Clamp and B-Mini are the right choice for copper double folded seam roofs. The "B" stand for Brass, the material of the clamps.



R465-Clamps for RIBROOF 465 and Domico GBS

The one piece clamps R465 are the ideal solution for profiles like RIB-ROOF 465 and similar profiles.



S-5-K-Grip Clamps for Domitec, Klip-lok and similar profiles

The S-5-K-Grip Clamps fit in combination with different inserts on a multitude of profiles i.e. Lysaght KLIP-LOK, Safintra Saflok or Domitec and provide high holding strength.



S-5!® provides several other clamps and brackets to fit on different profiles all over the world. If you didn't find a solution above please feel free and contact us for further information.



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