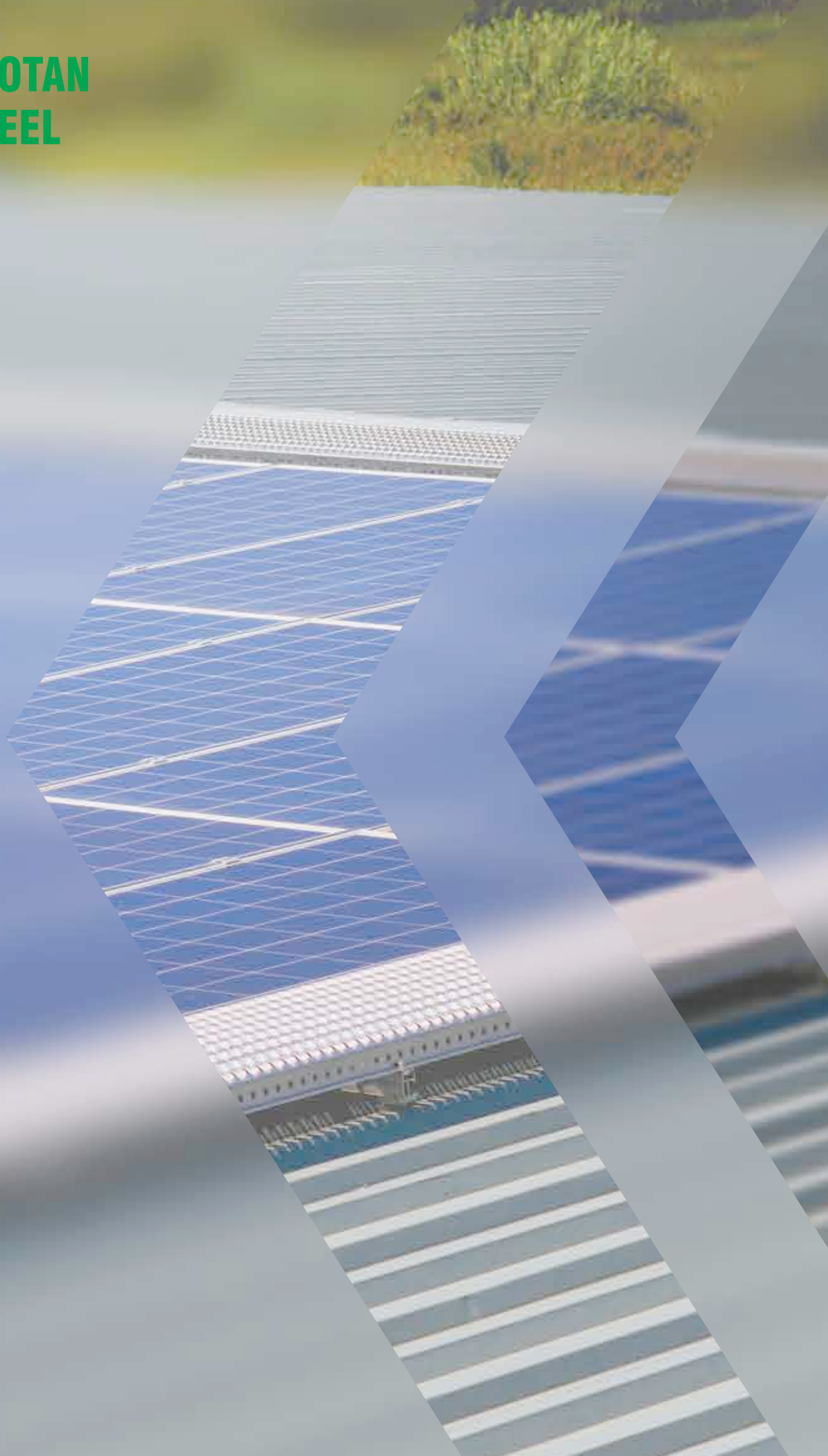




**CLOTAN
STEEL**

Solar fixing systems



Solar fixing systems



Solar fixing systems and solar solutions

With both environmental and technological resources under increasing pressure, the pursuit of sustainable sources of renewable energy have become a decisive aspect of everyday life in both households and industry alike. Worldwide, a fundamental reorientation in energy provision is currently underway and PV (photo voltaic) systems represent the base technology for this reorientation. Talk to our Sales Consultant about pricing options on complete solar solutions or solar fixing systems.

PV/Solar systems in connection with Craft-Lock®

The perfect symbiosis....Made possible with the new Craft-Lock® clamp

Precisely because of its constructional design, the Craft-Lock® roof profile offers an optimal basis for the installation of PV systems. The modules can be attached to the profile panels by means of specially-developed Craft-Lock® clamps. As a result, no holes are drilled in the material and thus no drilling chips are left behind on the roof shell which would accelerate corrosion and cause leaks – a significant advantage over most normal roof profiles. An extremely rational installation is thus made possible. Adding to this concept, it is furthermore possible to attach a rail system to the Craft-Lock® clamps.

The Craft-Lock® clamp provides a cost-effective solution for mounting solar structures and general hardware onto Craft-Lock® roof sheeting. For solar installations, the Craft-Lock® clamp is designed to suit both purlin and purlinless installations. The Craft-Lock® clamp, clamps to the roof sheet using an M10 caphead which locks it to the other side of the roof sheet.

The Craft-Lock® clamp can be ordered for three different mounting configurations:

1. M6 for purlinless installations.
2. M8 for trunking and equipment installations.
3. Dual M8 for the PIA top hat purlin installations.



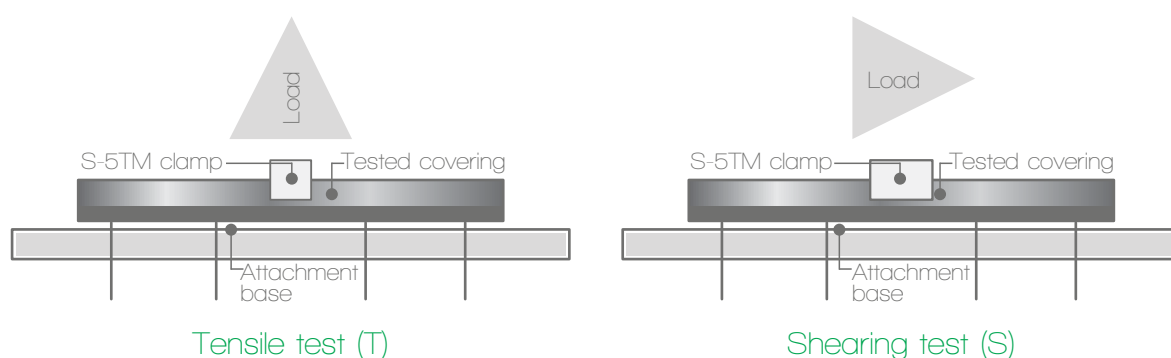
Planning and precision

No delays to your project

Based on the close collaboration with our partners in the domain of PV/Solar system construction and the outstanding suitability for use of our profiles, we can guarantee both optimal planning and prompt mounting of the systems – the perfect solution for our customers. The finishing touches on the roof (in this case the roof capping) can often be carried out at the same time as the start of installation of the PV system and in parallel.

Holding force of the Craft-Lock® clamp

The holding force of the Craft-Lock® clamp has been tested on the Craft-Lock® original profile. This has re-affirmed that the clamp has a holding force which is unrivalled on the market.



Test type	S-5TM clamp	Metal Manufacturer	Name of product	Type of material	Material thickness	Screw Tightness	Failure load	Permitted load
Z	S-5-RTP Mini	Clotan Steel	Craft-Lock®	Steel	0.58 mm	17.0 Nm	5.25 Nm	1.75 kN
S	S-5-RTP Mini	Clotan Steel	Craft-Lock®	Steel	0.58 mm	17.0 Nm	5.25 Nm	1.75 kN

Mounting specifications

Pull off certified to 150 kg per clamp

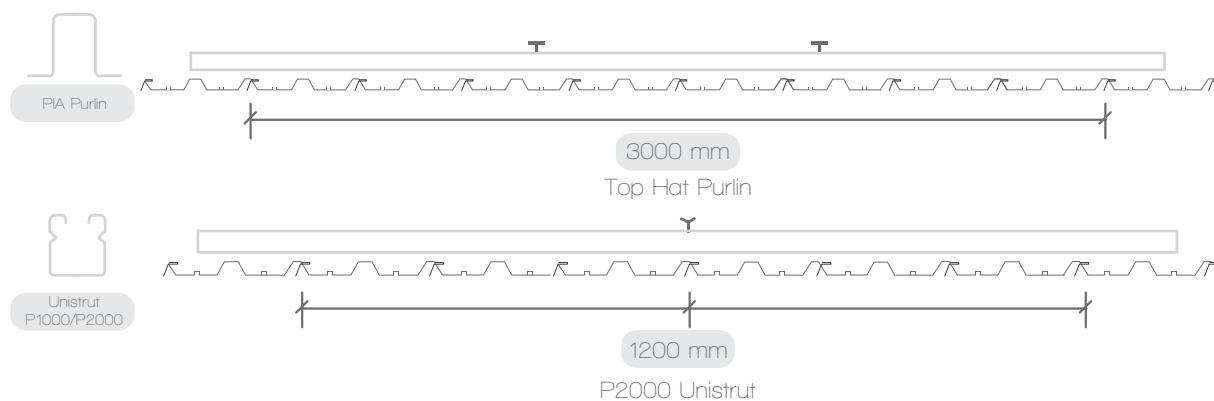
Craft-Lock® clamp torque for M10 = 3 Nm

Coating: HDG 55 m

Material: ISQ230 3 mm thick material (depending on material type)



Purlin mounting lengths (Max distance between clamps)



When planning metal roofs, not only the load from wind and snow, but also the use to which it being put at the time must be taken into consideration. Instead, reserves that are able to absorb greater loads stemming from a later or an expanded use of the roof, such as photo voltaic, for example, should be planned for.

When in doubt, a stress analyst should be called in to determine the load and how it is to be absorbed.





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