

SolarGrip® – the special rivet



Bildquelle: IBC SOLAR AG

IBC SOLAR AG, one of the world's leading global photovoltaic systems integrators, is investing in its cooperation with GESIPA®. GESIPA® has developed a blind rivet for the efficient IBC TopFix assembly system that adequately meets the technical requirements, and has produced it in Germany.

The advantages are clear:

Fast and precise work, as well as tightness against splashing water at the riveting points, result in a durable and safe connection. We recommend using PowerBird® Solar or AccuBird® for quick and easy assembly. IBC Solar and GESIPA®, good connections are unbeatable.

What our client IBC SOLAR says about SolarGrip®:

„By offering our IBC TopFix 200 assembly system, we provide our customers with an assembly system for pitched roofs that is approved by the building inspectorate and ensures the highest level of flexibility and quality. IBC TopFix 200 is universally usable on any pitched roof and provides solutions for many different types of roofs.

Specially-designed prefabricated module clamps are used for assembly on trapezoidal sheet metal roofs, which helps to save up to 20% of installation time compared to conventional assembly systems.

GESIPA® SolarGrip® rivets ensure quick, easy and safe assembly on the metal sheet. The rivet customised to our system and quality requirements guarantees water tightness, a long service life and the highest economic efficiency, and has proved itself in practice millions of times.

SolarGrip is not only used for photovoltaic-related customer products; we also use it for our own systems. Since April 2013, a photovoltaic solar power plant has been generating power for our company's headquarters in Bad Staffelstein (see image). As no appropriate roof surfaces were available, we covered our staff car park with carports and fitted them with photovoltaic modules. We used prefabricated clamps with SolarGrip® rivets to fasten them on trapezoidal sheet metal roofs – a quick, safe and high-quality solution by our partner GESIPA®!



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Millions of connections exposed to storms, rain, snow and sunlight on a daily basis are testament to the reliability of GESIPA® SolarGrip® blind rivets, pictured on the left for application cases at IBC Solar.



SolarGrip® – The solar fastener

- DIBt approval no. Z-14.1-4 and Z-14.1-537 (for 670 1011 only Z-14.1-537)
- Matching grip range for many solar applications
- Ideal for working on trapezoid panel roofs
- SolarSeal coating for 4,8 mm rivets
- Riveting of sponge rubber or EPDM washers possible
- Function documentation available on request at extra cost

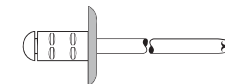
SolarGrip® – The basic characteristics

- Large grip range coverage with a single blind rivet
- Wide closing head
- Outstanding hole filling capability
- Compact closing head
- For use with all GESIPA® setting tools

The perfect processing tool, the PowerBird®-Solar, can be found on page 85.

Speak to us, we will be happy to advise you!

SolarGrip® program



	Rivet body	Material	Grip range	Tensile strength	Shear strength	Part no.	Quantity per box
4.8 Hole Ø: 5.1 - 5.2 mm CE Ü	4,8 x 12,0 F K 11,4	Rivet body: Alu AlMg 2.5 (Colour: black) Mandrel: Stainless steel A2 – Nr. 1.4541	3,0 - 5,0	2.300	1.500	672 1013	P 500
	4,8 x 15,0 F K 11,4	Rivet body: Alu AlMg 2.5 (blank) Mandrel: Steel, zinc-plated	5,0 - 8,0	2.300	1.500	672 1024	"
6.4 Hole Ø: 6.5 - 6.9 mm CE	6,4 x 14,0 F K 11,4	Rivet body: Alu AlMg 2.5 (blank) Mandrel: Steel, zinc-plated	3,0 - 8,0	4.000	2.800	670 1011	P 250

*. Material surcharge will be added at a daily rate

Ü: According to DIBt certification no. Z-14.1-4 and Z-14.1-537 (for 670 1011 only Z-14.1-537) / CE: ETA certification requested / Corresponding approval documents on www.gesipa.com

All sizes on request – also available in bulk packs