

Testing the watertightness



GDP 100 watertightness test bench



Carrier plate with 25 rivets belonging to the same batch



Testing the watertightness on the closing head side under 30 mm water column during 60 minutes



SolarGrip™

Solar blind rivets now with Z-14.4-537 DIBt-approval for all usual material combinations

SolarGrip™ — The solar fastener

- The only solar blind rivet with Z-14.4-537 (alu/alu, alu/steel) and Z-14.1-4 (steel/steel, steel/wood) DIBt approval
- Matching grip range for many solar applications
- Ideal for working on troughed panel roofs
- Watertight thanks Solar-Seal surface treatment for 4,8mm rivets
- Riveting of sponge rubber or EPDM washers possible without difficulties
- Protection against theft

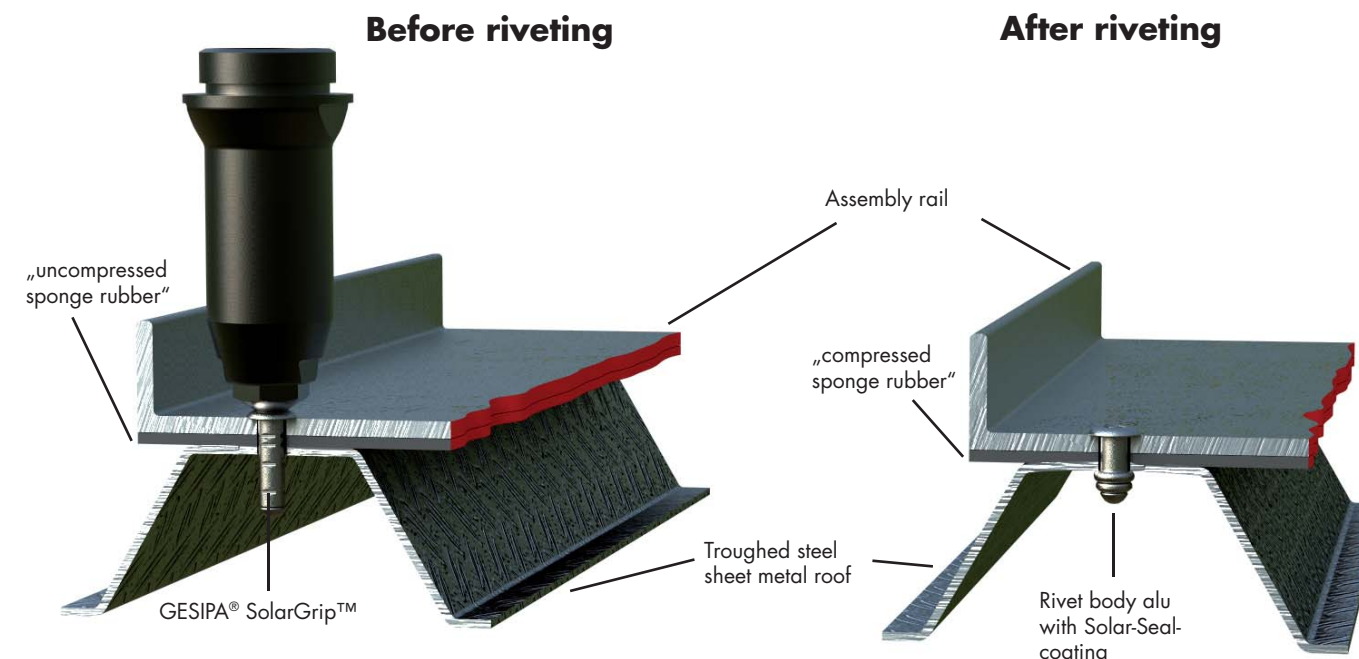


SolarGrip™ — The basic characteristics

- Large grip range coverage with a single blind rivet for different troughed panel thicknesses
- Wide closing head for improved unbuttoning characteristic
- High hole filling capability compensates hole tolerances



SolarGrip™ — The operating mode



SolarGrip™

Rivet and tool – For the flexible use in the solar sector



SolarGrip™ — An example of use of our customer Contecta

The task:

- One economic fastener for two applications

The requirements:

- Reliable joint
- Varying grip ranges
- Limited accessibility
- Watertightness under 30 mm water column

The result:

- A blind rivet with a wide grip range and large hole diameter tolerance
- SolarSeal coating
- Setting tool: PowerBird®-Solar

SolarGrip™ — An example of use of our customer Contecta

Our customer Contecta, a developer and manufacturer of solar installation systems from Kirchberg, about SolarGrip:

Easy, fast, reliable: With our TÜV-certified installation system DICONAL®, we offer flexible solutions directly from the manufacturer.

For attachment to troughed plate roofs, we were looking for a solution which fulfilled our requirements for watertightness and easy, fast installation. There was one thing it had to be above all: Cost saving!

In GESIPA®, we found a reliable, flexible partner who perfectly meets our many requirements.

Thanks to the open and cooperative partnership with GESIPA®, we have in the 2010 season already used hundreds of thousands of blind rivets tailored exactly to our needs, and to the complete satisfaction of our customers.



SolarGrip™ — Dimensions at a glance

Description	Material	Grip range in mm	Tensile strength* in N	Shear strength* in N	Minimum unbuttoning traction force in 0,5 mm Steel sheet	P/N	Quantity per box
4,8 x 12,0 FK 11,4 Hole - Ø: 5,1 - 5,2 mm	Rivet body: Alu AlMg 2,5 Mandrel: A2 stainless steel - Nr. 1.4541	3 - 5	2300	1500	450	672 1013	500
4,8 x 15,0 FK 11,4 Hole - Ø: 5,1 - 5,2 mm	Rivet body: Alu AlMg 2,5 Mandrel: A2 stainless steel - Nr. 1.4541	5 - 8	2300	1500	410	672 1024	500
6,4 x 14,0 FK 11,4 Hole - Ø: 6,5 - 6,9 mm	Rivet body: Alu AlMg 2,5 Mandrel: Steel zinc plated	3 - 8	2300	2800	710	670 1011	250

GESIPA®-SolarGrip™ is perfectly suited for usual troughed panel sheet metal in thicknesses 0,5; 0,63; 0,75; 0,88 und 1,0 mm as well as aluminium troughed panels with 0,75 und 1,0 mm thicknesses.

* Test acc. DIN EN ISO 14589

PowerBird®-Solar

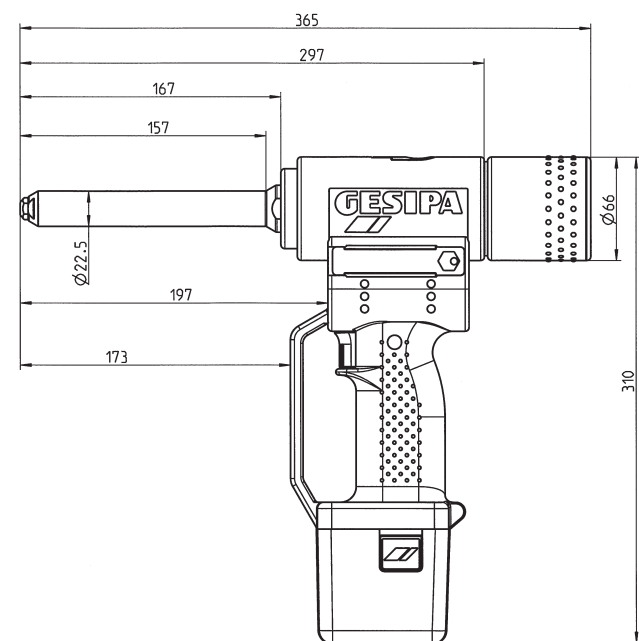
Special version for Solar applications –
Ideal for recessed, poorly accessible rivet locations,
for easy access to rivet locations

PowerBird®-Solar – In practise

- Fatiguefree working through well balanced weight repartition and ergonomic grip
- Gravity controlled evacuation of broken mandrels: forward through the nosepiece or backwards into the mandrel container
- The immediate and automatic reset after each riveting process saves energy and speeds up the operation
- Compact, shockproof tool housing
- User oriented scope of delivery: metal carrying case with one battery charger, two power batteries and four nosepieces

PowerBird®-Solar – With new Li-Ion energy

- 2,6 Ah battery, alternatively 1,3 Ah on request
- No Memory-effect
- High Energy yield through high voltage and low weight for easy and fast operation
- Extremely low self discharge
- New battery shape allows the tool to be stored standing on its battery



PowerBird®-Solar including two Li-Ion power batteries 2,6 Ah/14,4 V, quick charger, extension unit 100 mm and special nosepieces for BULB-TITE® blind rivets, in metal case
Art. no. 724 0041

CE-Conformity:
Machine safety acc.
EU-Directive
N° 2006/42/EG

Working range

SolarGrip™ blind rivets with Ø 4,8 and 6,4 mm; blind rivets from Ø 4,8 mm steel up to 6,4 mm all materials, except G-Bulb® Ø 6,4 mm; BULB-TITE® blind rivets up to Ø 7,7 mm, all materials; MEGA GRIP® blind rivets up to Ø 6,4 mm all materials.

Technical data

Weight: 2,2 kg with battery
Stroke: 20 mm
Operating voltage: 14,4 V DC
Setting force: 13.000 N
Extension unit: 100 mm

Equipment

100 mm extension unit
Two Li-Ion power batteries 2,6 Ah/14,4 V
Quick charger
Nosepieces 17/32, 17/36, 17/40, 17/45, 17/48 BT
Operating instructions
Metal case



Fastening the sun: A riveting challenge!



The GESIPA® solar product range at a glance

- Special-Solar blind rivets with DIBt Z-14.4-537 Approval
- Cost efficient installation of solar panels on troughed sheet metal roofs
- Grip range specially adapted to solar installation applications
- Quick, process safe setting
- Batch controlled fasteners
- SolarSeal surface treatment
- Outstanding hole filling capability
- Wide closing head on the backside
- Protection against theft
- Setting tool PowerBird®-Solar
- Flexible and versatile applications
- Timely Li-Ion technology
- Shockproof tool housing
- Ergonomic design

SolarGrip™ and PowerBird®-Solar: The winning team

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