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Bird series

Bird Pro series

The experts in riveting technologies

GESIPA[®]



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THE NEW GENERATION OF BATTERY TECHNOLOGY

Fast, powerful and virtually no wear!



The Bird generation with brushless motor – reliability for a high run and fast work sequence.



AccuBird® Pro



PowerBird® Pro



**PowerBird® Pro
Gold Edition**



**PowerBird® Pro
Gold Edition with
spring-loaded trigger system**



iBird® Pro



THE NEXT GENERATION OF BATTERY-POWERED BLIND RIVET TECHNOLOGY

60 years experience, 60 years expertise. Fast and powerful as never before:
the **Bird Pro series**.

The Bird Pro series

GESIPA®, who invented battery-powered blind riveting technology, has been producing the Bird series for over twenty years now. To this day, it sets the standard for the battery-powered blind riveting devices market. Not least, due to changing customer requirements, the Bird

family's modular system is updated on a regular basis. GESIPA® has therefore built a new platform that supplement the current Bird series to meet the highest customer requirements.

Special features

1 Auto reverse function

Immediately after mandrel break-off, this optional operating mode stops the pulling process and moves the jaw assembly back into the initial position. This saves time and energy while making sure the tool is immediately ready for use.

2 Lighting

The light-emitting diodes precisely aligned to the work piece are integrated into the adjusting ring. There are three possible switch positions:

Process controlled: The diodes remain illuminated after the setting process, which allows a continuous workflow even under bad lighting conditions

Torch function: Steady glow of diode for max. 10 minutes

Lighting off: Saves electricity

3 Sliding battery

New sliding battery with exact optical and acoustic charging status display prevents unpleasant surprises. The deep sleep function and the electrical feedback of the braking energy extend the battery range – a battery charge lasts for up to 2,000 riveting operations. Additional catching grids prevent falling.

4 Charging unit

Charging unit with quick-charge function. The battery can be used again after only 45 minutes of charging, and is fully charged after just 90 minutes.

2



3



4



ADVANTAGES OF THE BIRD PRO SERIES

High **efficiency**, long **service life**, particularly **smooth running**

BLDC technology

A BLDC motor is a brushless DC motor that, instead of brushes that are susceptible to wear, uses electrical sensors to detect the rotor's position and commutate the stator coil via circuit breakers. A special software in the electronics controls the motor.

The advantages of a BLDC motor include **high efficiency, long service life, particularly smooth running** with a precision ball bearing and a reduction in electrical noise radiation.



Li-ion battery

The GESIPA® Bird Pro series is equipped as standard with a new rechargeable 2.1 Ah Li-ion slide-on battery. These rechargeable Li-ion batteries feature the Deep Sleep function. To keep intrinsic consumption as low as possible, after a set idle time, the battery automatically assumes "Deep Sleep" mode. By turning on the device the battery is automatically woken and is immediately ready for use.

Charging technology

The GESIPA® Li-ion chargers are available for 110 V to 240 V AC voltages. The charger comes with a Euro plug as standard. Other versions for China, UK and USA are available on request.

Advantages at a glance

- More powerful and longer-lasting **BLDC motor** for quick flow of work
- **25 mm stroke** for long blind rivets
- **Up to 20 kN setting force** for particularly large blind rivets
- **Variable lighting** in the adjusting ring
- Increased **stability** due to larger, non-slip stand surface and lower center of gravity
- Easy-to-grasp housing thanks to **Softgrip**
- New **sliding battery**
- Charging unit with **quick-charge function**
- Shortened pulling process thanks to the **auto reverse function for quicker flow of work**
- **Well proven and virtually no wear:** the patented jaw system provides a very long service life and helps saving spare part costs
- **Ergonomical design:** rubberised, moulded grip and a balanced center of gravity

BATTERY-POWERED BLIND RIVET SETTING TOOLS WITH BRUSHLESS MOTOR



AccuBird® Pro

The fast one

– up to 4x faster than other battery-powered tools on the market!

The brushless motor and 10,000 N setting force make the AccuBird® Pro extremely fast for setting blind rivets of any material up to Ø 5 mm.

PowerBird® Pro

The all-rounder

– exceptional speed and high power!

With a setting force of 15,000 N and the well-proven brushless motor, the PowerBird® Pro is powerful and fast when setting blind rivets up to Ø 6.4 mm in any material.

PowerBird® Pro Gold Edition

The strong one

– for high volumes and fast working sequences!

Thanks to the brushless motor and the 20,000 N setting force the PowerBird® Pro Gold Edition is even more powerful and can even set G-Bulb and PolyGrip® blind rivets up to Ø 6.4 mm in any material.

PowerBird® Pro Gold Edition with spring-loaded trigger system

The secure one

– the well-proven solution for a reliable gap free riveting process!

For high operating safety and optimal setting results.

iBird® Pro

The innovative one

– Can be networked with a smartphone, tablet or PC.

Simple connection of the iBird® Pro with the GESIPA® app via QR Code.



THE LATEST TOOL IN THE PRO SERIES

Can be networked with a smartphone, tablet or PC.



Industry 4.0 with the iBird® Pro

Known as Industry 4.0, M2M or the Internet of Things, these concepts refer to intelligent and digitally networked systems in the production industry. The aim is to ensure that production is as self-organised as possible.

GESIPA® has developed the iBird® Pro with this in mind. The iBird® Pro is a networked battery-powered setting tool that can be connected to smartphones, tablets or a customer's IT infrastructure using WiFi or Bluetooth via a free GESIPA® app.

This networking provides a number of additional benefits such as the monitoring of riveting processes, processing safety, status and service indicators, as well as quick and simple access to operating, maintenance and repair instructions – ultimately resulting in optimisation of the value chain.

The Andon ring

The iBird® Pro incorporates a signal ring for visualising riveting processes. The colours can be set individually via the app.



DOWNLOAD APP, CONNECT RIVET!

The optional setting process assistant from GESIPA® provides assistance when evaluating riveting processes



Technical facts

- › WiFi 2.4/5.0 GHz and Bluetooth (LE) wireless connection
- › Tilt sensor can be connected via the app; during use, the tool is only enabled for the next riveting process once the tilting motion for ejecting the mandrel body has been performed
- › Andon ring: Signal ring for visualising the riveting process, the colours can be set individually via the app

Premium software: optional setting process assistant*

- › Setting process evaluation with fault detection, notification in app and via Andon ring (signal ring lights up based on the setting process evaluation and colour setting)
- › Teaching mode for teaching in rivet configurations
- › Creation of job lists to process various rivet configurations

Part no. 157 0451

For smartphone, tablet, PC (Android and iOS)

Simple connection of the iBird® Pro with the GESIPA® app via QR code

Premium software: setting process assistant

Connection with three devices at the same time (e.g. operator, foreman, process control centre)



What the iBird® Pro app offers:

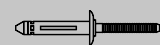
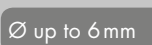
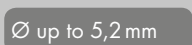
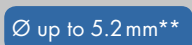


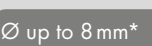



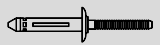
- › Various counters: Total, day, setting counter, countdown, OK*, NOK*.
- › Fill level indicator, service indicator (spent mandrel container, cleaning or oiling jaws, full service)
- › Optional setting process assistant*
- › Monitoring of battery charge level, battery temperature and temperature of the tool control
- › Maintenance instructions, maintenance history
- › Error message, error history, acknowledgement history
- › Tips and tricks
- › Operating instructions

*Once paid premium software has been activated



TECHNICAL DATA BIRD PRO SERIES

The Bird Pro series deals easily with a wide range of applications and requirements.

Tool	Material / Ø	Setting force	Power unit
 AccuBird® Pro	 Ø 2.4 up to 5.0 mm  Ø up to 4.8 mm  Ø up to 4.0 mm  Ø up to 6 mm  Ø up to 5.2 mm  Ø up to 5.2 mm**	10,000 N	Brushless DC motor (BLDC)
 PowerBird® Pro iBird® Pro	 Ø 2.4 up to 6.4 mm**  Ø up to 6.4 mm  Ø up to 7.7 mm  Ø up to 8 mm*	15,000 N	Brushless DC motor (BLDC)
 PowerBird® Pro Gold Edition	 Ø 2.4 up to 6.4 mm  Ø up to 6.6 mm  Ø up to 7.7 mm  Ø up to 8 mm  Ø up to 6.6 mm  Ø up to 6.4 mm	20,000 N	Brushless DC motor (BLDC)
 PowerBird® Pro Gold Edition with spring-loaded trigger system	 Ø 2.4 up to 6.4 mm  Ø up to 6.4 mm  Ø up to 7.7 mm  Ø up to 8 mm	20,000 N	Brushless DC motor (BLDC)



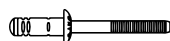
Standard blind rivet



MEGA GRIP®



BULB-TITE®*



G-Bulb



PolyGrip®



All materials



Alu



Steel/steel

*except G-Bulb 6.4 Ø

**special accessory required



Stroke	Battery	Weight	Equipment	Part no.
25 mm	18 Volt 2.1 Ah	2.0 kg with battery	Nosepieces: 17/24, 17/27, 17/29, 17/32 Maintenance wrench SW12 Sliding battery 18 Volt/2.1 Ah, Charger	143 5447
25 mm	18 Volt 2.1 Ah	2.0 kg with battery	Nosepieces: 17/32, 17/36, 17/40, 17/45 Maintenance wrench SW12 Sliding battery 18 Volt/2.1 Ah, Charger	PowerBird® Pro 145 0810 iBird® Pro 156 7800
25 mm	18 Volt 2.1 Ah	2.0 kg with battery	Nosepieces: 17/32, 17/36, 17/40, 17/45 Maintenance wrench SW12 Sliding battery 18 Volt/2.1 Ah, Charger	145 7636
25 mm	18 Volt 2.1 Ah	2.0 kg with battery	Nosepieces: 17/32, 17/36, 17/40, 17/45 Maintenance wrench SW12 Sliding battery 18 Volt/2.1 Ah, Charger	145 7638





THE BIRD FAMILY

Reliable and well-proven – for more than 20 years



FROM THE CREATOR OF THE BATTERY-POWERED BLIND RIVET SETTING TOOL

The battery-powered riveting tool series for professional and versatile use in trade and industry.

The Bird family

The development of this Bird series for professional use by specialists and industrial users made GESIPA® the inventor of the cable-free and hose-free blind rivet setting technology.

The great success of the maintenance-friendly constructed Bird series is due to the following advantages.

Practical aspects

- Exchange nosepieces and wrench always included in the tool
- Compact, shockproof tool housing
- Spent mandrel evacuation into the mandrel container through backfilling and forwards through the nosepiece by gravity
- Fatigue-free working through well balanced weight repartition and ergonomic grip

Casing and accessories

- Exchange for nosepieces and wrench on the device
- Less frequent emptying due to the large spent mandrel container
- Optimized accessories and special models for many applications

With Li-ion energy

- No memory effect
- High energy yield through high voltage and low weight for easy and fast operation
- Extremely low self discharge
- Battery shape allows the tool to be stored standing on its battery

Mechanics, control system and battery

- Reliable connection of the mechanics and control system
- Cast control system is water and dust-tight
- User-friendly pluggable rechargeable battery



AccuBird®



PowerBird®



PowerBird® Solar

THE BIRD SERIES – INTELLIGENT ENERGY

Lithium-ion technology as mobile power supply for the battery-powered blind rivet setting tools

Li-ion batteries

The GESIPA® battery-powered setting tool AccuBird® is equipped as standard with a 1.3 Ah Li-Ion battery. The GESIPA® PowerBird® is supplied with a 2.6 Ah Li-Ion battery. These rechargeable Li-ion batteries feature the Deep Sleep function. To keep intrinsic consumption as low as possible, after a set idle time, the battery automatically assumes "Deep Sleep" mode. The battery can then only be woken in the battery charger and is immediately ready for use.

The powerful 2.6 Ah battery is also optionally available as a special accessory for the AccuBird®. Older tools can of course also be operated with the new Li-Ion batteries. Due to the different charging principle used in the Li-Ion technology, the charging unit must also be replaced when switching over to Li-Ion batteries; the proven charging units for NiCd batteries are however still available.

Charging technology

A special, intelligent circuit in the GESIPA® Li-ion batteries protects against deep discharging, and ensures that the last setting cycle can be completed, before the battery signals its empty condition by switching off. The empty battery is ready for use again after a charging time of only about one hour. The GESIPA® Li-ion charging units are of course also available for the alternating voltages of 110 AC to 230 AC.



The most important advantages of Li-ion technology

- Currently the most **efficient mobile power supply**
- Low **weight**
- High **energy storage capacity** (90-110 Wh/kg)
- **Long storage capability** due to low self-discharging
- No memory- or lazy-battery effect – **low maintenance requirement**
- **Constant output voltage** over the complete discharge period
- Large number of **loading cycles**
- **Long service life**

THE BIRD SERIES

Reliability, high performance, versatility



AccuBird®

The well-proven blind rivet setting tools with Li-Ion energy

Developed and produced in Germany since 1992 by the inventor of the battery blind rivet setting tool.

PowerBird®

The well-proven blind rivet setting tool with Li-ion energy and even higher setting performance

The powerful extension of the Bird family from GESIPA® with many capabilities. He is able to cope with almost all structural blind rivets.

PowerBird® Solar



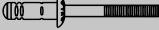

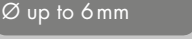
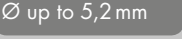
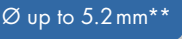



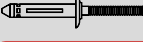
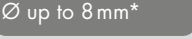


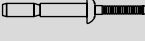
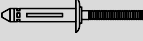
Ideal for deep, difficult to access areas in solar applications

Blind rivets from Ø 4.8 mm steel up to 6.4 mm all materials with a setting force of 14,000 N. The ideal tool for the safe handling of SolarGrip® special rivets thanks to the standard extension unit and the optional spring-loaded trigger system.



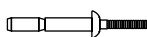
TECHNICAL DATA BIRD SERIES

The Bird series deals easily with a wide range of applications and requirements.

Tool	Material / Ø	Setting force	Power unit
 <p>AccuBird®</p>	 Ø 2.4 up to 5.0 mm  Ø up to 4.8 mm  Ø up to 4.0 mm  Ø up to 6 mm  Ø up to 5,2 mm  Ø up to 5.2mm**	10,000 N	DC motor
 <p>PowerBird®</p>	 Ø 2.4 up to 6.4 mm  Ø up to 6.4 mm  Ø up to 7.7 mm at 7.7mm**  Ø up to 8 mm*	14,000 N	DC motor
 <p>PowerBird® Solar</p>	 Ø 2.4 up to 6.4 mm*  Ø up to 6.4 mm  Ø up to 7.7 mm at 7.7mm**	14,000 N	DC motor



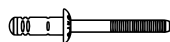
Standard blind rivet



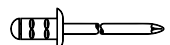
MEGA GRIP®



BULB-TITE®



G-Bulb



PolyGrip®



All materials



Alu



Steel/steel

*except G-Bulb 6.4 Ø

**special accessory required





Stroke	Battery	Weight	Equipment	Part no.
20 mm	14.4 Volt 1.3 Ah	2.0 kg with battery	Nosepieces: 17/24, 17/27, 17/29, 17/32 Maintenance wrench SW12 Battery 14.4 Volt/2.6 Ah, Charger	143 4898
20 mm	14.4 Volt 2.6 Ah	2.2 kg with battery	Nosepieces: 17/32, 17/36, 17/40, 17/45 Maintenance wrench SW12 Battery 14.4 Volt/2.6 Ah, Charger	145 7186
20 mm	14.4 Volt 2.6 Ah	2.4 kg with battery	Nosepieces: 17/32, 17/36, 17/40, 17/45, 17/48 BT two batteries 14.4 Volt/2.6 Ah, Charger approx. 167 mm extension unit	145 7191



ACCESSORIES FOR THE BIRD SERIES/BIRD PRO SERIES

The wide range of accessories allows the tool to be adapted to deal with almost any challenge. Whether in trade, in the construction industry or in industrial applications.

Extension units

Allows easy access to rivet sites which are difficult to access



1) The extension units are used for riveting sites which are situated low down or are difficult to access. The **one-piece extension** units replace steel head sleeves, are extremely slim and therefore particularly suitable where space is restricted. One-piece extension units are offered in different sizes for all tools. The extension unit consists of three parts: the steel head sleeve, the jaw pusher and the adapter. The total length equals the length from the steel sleeve plus the standard nosepiece.

(2) The **multi-piece extension units** are screwed in between the tool and the existing steel sleeve. The total length equals the length of the steel sleeve plus the extension. The multi-piece extension units allow the steel sleeve to be extended variably in 100 mm stages.

Retaining nosepiece

Working even in vertical position without difficulties



Thanks to the retaining nosepiece the inserted rivet stays in any position due to elasticity. Even in vertical riveting processes the rivet is held securely in the tool. Retaining nosepieces are available in different sizes for all tools except PowerBird® Solar.

Spring-loaded trigger system

For gap-free riveting of components



The spring-loaded trigger system ensures that the parts to be riveted reliably make contact without any gaps before riveting. Furthermore, the operator will be certain that the blind rivet has reached its end position in the hole before setting and the setting head is in contact with the material. The pressing force can be varied with springs depending on the application.

The spring-loaded trigger system is available for AccuBird®, PowerBird®, AccuBird® Pro, PowerBird® Pro and PowerBird® Pro Gold Edition on request.

Transparent spent mandrel container

Residual mandrels always controllable



The classic spent mandrel container of the Bird Pro series is also available in a transparent version. This allows you to keep an eye on the amount of spent mandrels.

Extension for spent mandrel container



Fitting for AccuBird® and PowerBird® as well as for the Bird Pro series in two different sizes – working longer, less frequent emptying.

Universal nosepiece for AccuBird®



The universal nosepiece replaces up to five nosepiece sizes. The integrated rotary star in the steel sleeve can be unlocked easily without tools in order to select the appropriate size of nosepiece. This helps saving time when riveting different blind rivet sizes.

Angle head 90° compact for AccuBird® and PowerBird® **Angle head 90° compact for the Bird Pro series**

High setting force and easy access in tight installation areas



The angle head 90° compact and the angle head 90° are designed for use in very narrow and confined spaces. The rugged design makes it possible to set blind rivets with a high setting force even in working areas that are difficult to access. They can be positioned freely in every position (360°) on the tensile axis. The angle head 90° compact can set standard blind rivets with a setting force up to 10 kN, the angle head 90° can set standard blind rivets with a setting force up to 20 kN.

ACCESSORIES BIRD SERIES

Accessories	Picture	AccuBird®	PowerBird®	PowerBird® Solar
Jaws (spare parts)		143 4958	143 4104	143 4173
Battery 1.4 V/1.3 Ah (Li-Ion)		143 4921	145 7269	145 7269
Power battery 1.4 V/2.6 Ah (Li-Ion)		143 4921	143 4921	143 4921
Charger for 14.4 V Li-Ion battery		145 7282	145 7282	145 7282
Extension unit 50 mm (single-piece)		145 7273	145 7214	-
Extension unit 100 mm (single-piece)		145 7274	145 7215	-
Extension unit 150 mm (single-piece)		145 0622	146 4038	-
Extension unit (multi-piece per 100mm)		145 7318	145 7229	-
Extension for spent mandrel container		143 5034	143 5034	-
Angle head 90° compact		145 7252	145 7252	-
Universal nosepiece		143 4960	-	-
Nosepiece		See chart nosepieces on page 18/19		
Retaining nosepiece		See chart nosepieces on page 18/19		

ACCESSORIES BIRD PRO SERIES

Accessories	Picture	AccuBird® Pro	PowerBird® Pro iBird® Pro	PowerBird® Pro Gold Edition with spring-loaded trigger system
Jaws (spare parts)		143 5568	143 5568	143 5568
Sliding battery 18.0 V/2.1 Ah (Li-Ion)		145 7641	145 7641	145 7641
Charger for 18.0 V Li-Ion battery		145 7642	145 7642	145 7642
Transparent spent mandrel container		145 0837	145 0837	145 0837
Extended spent mandrel container 30mm 60mm		145 0838 145 0839	145 0838 145 0839	145 0838 145 0839
Extension unit +35 mm (single-piece)		145 0860	145 7650	-
Extension unit +85 mm (single-piece)		145 0861	145 7651	-
Extension unit +135 mm (single-piece)		145 0862	145 0823	-
Extension unit +50 mm (single-piece)		-	-	145 0821
Extension unit +100 mm (single-piece)		-	-	145 0822
Extension unit (multi-piece, per 100 mm)		145 0859	145 0820	-
Angle head 90°		146 4882	146 4882	-
Nosepiece	See chart nosepieces on page 18/19			
Retaining nosepiece	See chart nosepieces on page 18/19			

NOSEPIECES FOR BLIND RIVET SETTING TOOL

AccuBird®, AccuBird® Pro

Blind rivet	Blind rivet Ø in mm	Material	approx. pc/battery charge		Nosepiece	Part no.
			AccuBird® Pro	AccuBird®		
Standard	2.4	Alu	1,800	1,500	17/18	143 4976
	3.2	CAP®-Alu, CAP®-Cu	1,300	1,000	17/18	143 4976
	3 & 3.2	Alu	1,100	800	17/24	143 4955
	3 & 3.2	Steel	1,100	800	17/24	143 4955
	3 & 3.2	Stainless steel	1,100	800	17/24	143 4955
	4.0	Alu	1,100	800	17/24	143 4955
	4.0	Steel	1,100	700	17/27	143 4973
	4.0	Stainless steel	940	640	17/29	143 4974
	4.8 & 5	Alu	850	550	17/29	143 4974
	4.8 & 5	Steel	720	420	17/32	143 4975
	4.8 & 5	Stainless steel	550	320	17/36	143 4977
	6	Alu	400	240	17/36	143 4977
BULB-TITE®	4.0	Alu	1,300	1,000	17/26 BT	143 4985
	5.2	Alu	1,100	800	17/32 BT	143 4986
	6.3	Alu	800	600	17/42 BT	143 4988
	6.4	Steel	550	300	17/42 BT	143 4988

Tool	Retaining nosepiece	Part no.
AccuBird®, AccuBird® Pro	17/18 R	143 5010
	17/24 R	143 5011
	17/27 R	143 5012
	17/29 R	143 5013

NOSEPIECES FOR BLIND RIVET SETTING TOOL

PowerBird®, PowerBird® Pro Gold Edition, PowerBird® Pro, iBird® Pro

Blind rivet	Blind rivet Ø in mm	Material	approx. pc/battery charge			Nosepiece	Part no.
			PowerBird® Pro iBird® Pro	PowerBird® Pro Gold Edition	PowerBird®		
Standard	4.8 & 5.0	Steel, alu	1,000	1,800	700	17/32	143 4975
	4.8 & 5.0	Stainless steel	700	1.600	890	17/36	143 4977
	6.0	Alu	650	1.000	560	17/36	143 4977
	6.0	Steel	500	650	300	17/40	143 4999
	6.4	Alu, PG-Alu	550	600	420	17/45	143 4860
	6.4	Steel	450	530	250	17/45	143 4860
	8	Alu	500	510	350	17/45	143 4860
BULB-TITE®	4.0	Alu	1,200	1,300	1,000	17/26 BT	143 4985
	5.2	Alu	1,000	1,200	900	17/32 BT	143 4986
	6.3	Alu	800	800	590	17/42 BT	143 4988
	6.3	Steel	700	550	310	17/42 BT	143 4988
	6.3	Monel	650	600	380	17/42 BT	143 4988
	7.7	Alu	700	680	470	17/48 BT	143 4989
MEGA GRIP®	4.8	Alu	800	970	600	17/31 MG	143 4993
	6.4	Alu	750	940	420	17/41 MG	143 4865
	4.8	Steel	750	920	420	17/31 MG	143 4993
	6.4	Steel	300	230	150	17/41 MG	143 4865
	4.8	Stainless steel	700	900	420	17/31 MG	143 4993
	6.4	Stainless steel	250	230	150	17/41 MG	143 4865

Tool	Retaining nosepiece	Part no.
PowerBird®	17/32 R	143 5014
PowerBird® Pro, iBird® Pro	17/40 R	145 7347
PowerBird® Pro Gold Edition	17/45 R	145 7348



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