FireBird PRO CAS Cordless Rivnut Tool Instruction Manual

Contents hide

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Product Information

The battery-powered blind rivet nut setting tool is a versatile tool used to set blind rivet nuts up to M10 in aluminum, M8 in steel, and M6 in stainless steel. It comes equipped with a threaded mandrel, adjusting nut, safety light, and battery indicator, making it easy to use and maintain. The tool is also lightweight and portable, making it ideal for use in various industries.

Product Usage Instructions

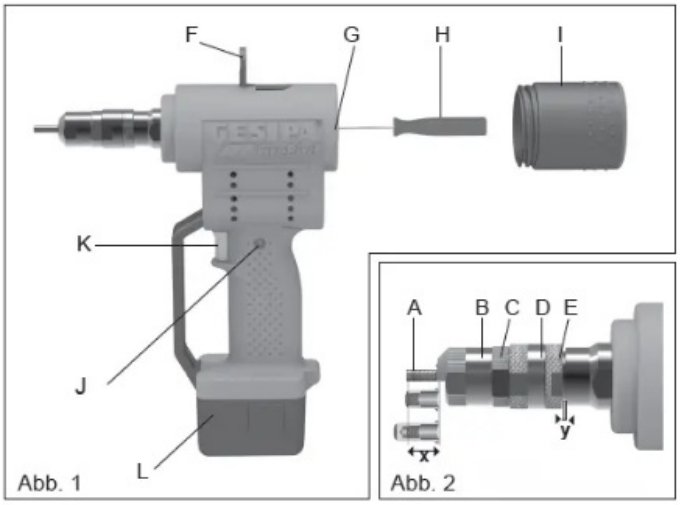
1. Ensure that the tool is fully charged before use by checking the battery indicator. If the battery indicator shows low power, recharge the tool before use.
2. Select the appropriate mandrel size for the rivet nut you wish to install and insert it into the tool.
3. Adjust the setting of the tool by turning the adjusting nut until it fits the size of the rivet nut.
4. Place the rivet nut into the desired location and position the tool onto the rivet nut.
5. Press the switch to start the tool and the mandrel will spin, pulling the rivet nut into place.
6. Once complete, release the switch and remove the tool from the installed rivet nut.
7. Repeat steps 4-6 for additional rivet nuts.

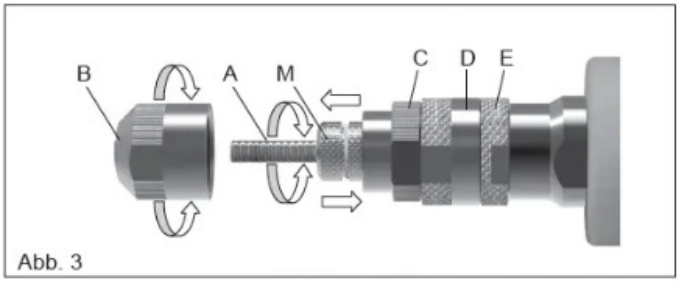
8. After use, clean the tool and store it in a cool, dry place.

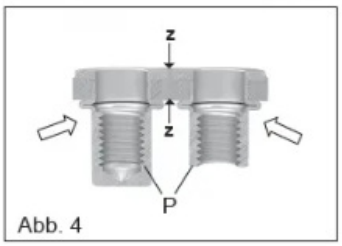
Note:
Always follow safety guidelines when using this tool, including wearing protective gear such as safety glasses and gloves. Keep the tool away from children and store it in a secure location when not in use.

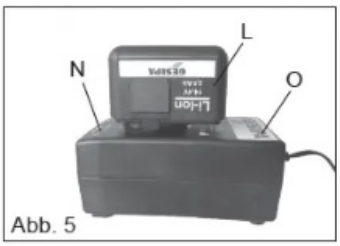
Overview

(see Fig. 1 – 5)









Item	Description	Fig.
A	Threaded mandrel	2; 3
B	Nosepiece	2; 3
C	Lock nut	2; 3
D	Setting nut	2; 3
E	Lock nut	2; 3
F	Hanger	1
G	Cap	1
H	Screwdriver	1
I	Accessory magazine	1
J	Safety lamp	1

Item	Description	Fig.
K	Switch	1
L	Rechargeable battery	1;5
M	Slide	3
N	Charge indicator	5
O	Battery charger	5
P	Set blind rivet nut	4
x	Threaded mandrel length	2
y	Setting stroke	2
z	Grip range	4

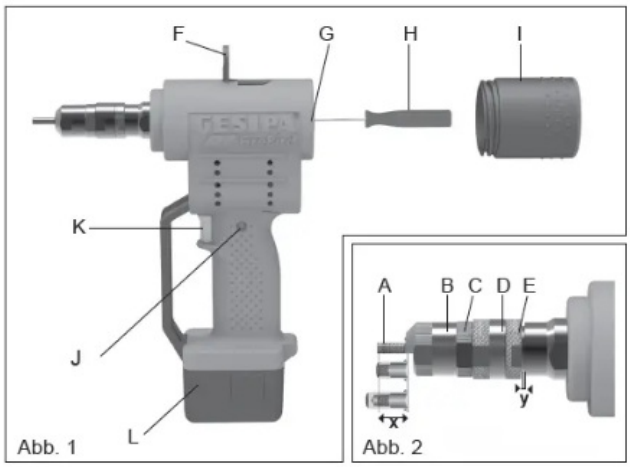


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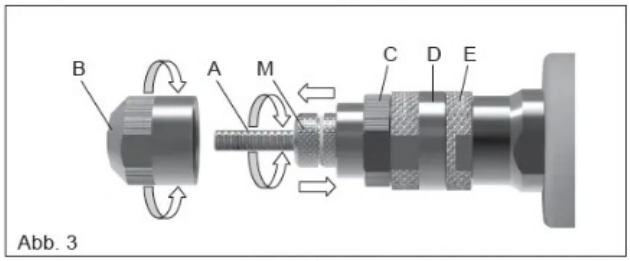
Abb. 2



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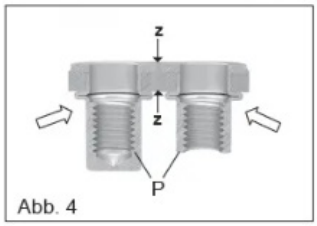

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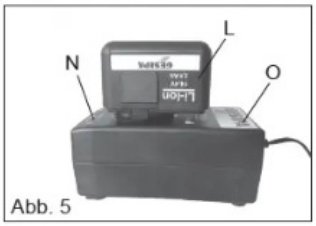

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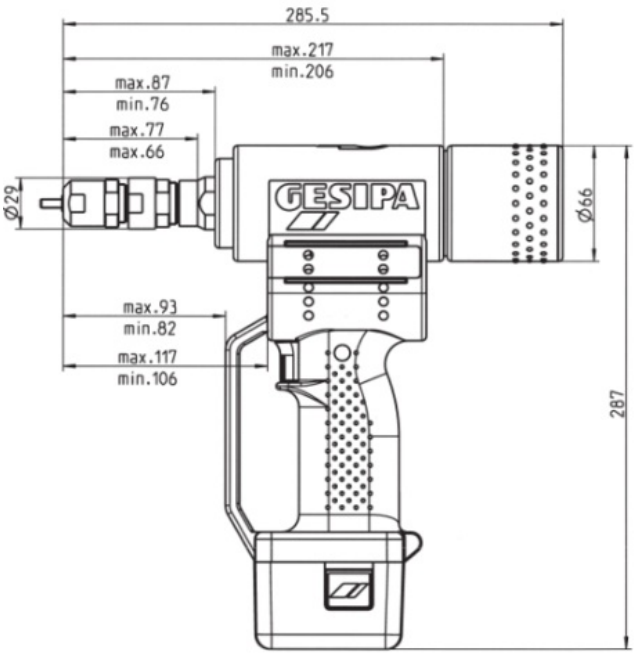
Dimension



Blind rivet nut setting tool

Use for the intended purpose
The blind rivet nut setting tool must only be used for the purpose of setting blind rivet nuts as described in these operating instructions. Observe the safety information!

Safety information

Caution!
The following safety rules must be observed to ensure adequate protection against electric shock, injuries or fire hazards:

- The blind rivet nut setting tool is intended solely for the purpose of processing blind rivet nuts.
- Never overload the blind rivet nut setting tool; work within the specified working capacity.
- Never use the blind rivet nut setting tool in a humid or wet environment or close to flammable liquids or gases. Danger of explosion!
- Ensure that the battery is properly secured in the handle.
- Always remove the battery when the blind rivet nut setting tool is not in use and for maintenance.
- Never use the blind rivet nut setting tool as a hammer.
- When not in use, keep the blind rivet nut setting tool in a dry, closed room and out of the reach of children.
- Always wear protective goggles when working with the blind rivet nut setting tool. Personal protective equipment such as protective clothing, gloves, safety helmet, non-slip footwear, ear protection and fall arresting device is recommended.
- The air inlets for the motor must not be obstructed; do not insert any objects into them.
- When setting down the blind rivet nut setting tool, make sure that it cannot fall.
- Use only genuine spare parts for repair.
- Repairs must be carried out only by skilled personnel. In case of doubt, always send in the blind rivet nut setting tool to the manufacturer.
- Do not use the tool without material! The blind rivet nut could be flung from the blind rivet nut setting tool! Never turn the blind rivet nut setting tool towards yourself or towards other persons!

Working range
Sets blind rivet nuts up to M10 aluminum, up to M8 steel and up to M6 stainless steel.

Equipment/accessories

Nosepieces:

- M6 in working position
- M4, M5 in accessory magazine
- M3, M8, and M10 available as special accessories on request
- **Wrench:** Hexagon screwdriver WAF 4
- **Hanger:** Concealed in housing
- **Quick-change battery:** 2,0 Ah / 14.4 V

Technical data

- **Weight:** 2.3 kg (with battery, without accessory magazine)
- **Max. setting stroke:** 5.5 mm
- **Drive:** 14.4 V DC motor
- **Tensile force:** 13,000 N
- **Noise emission:** LPA 76.5 dB (A), measurement uncertainty K=3 dB
- **Vibration:** < 2.5 m/s², measurement uncertainty K=1.5 m/s²

Threaded mandrels/nosepieces

		Part No.	
Thread size	**Material**		
		Threaded mandrel	**Nosepiece**
M3	Aluminium Steel Stainless steel	143 5052	143 5065
M4	Aluminium Steel Stainless steel	143 5055	143 5066
M5	Aluminium Steel Stainless steel	143 5056	143 5067
M6	Aluminium Steel Stainless steel	143 5059	143 5068
M8	Aluminium Steel	143 5063	143 5069
M10	Aluminium	143 5064	143 5070

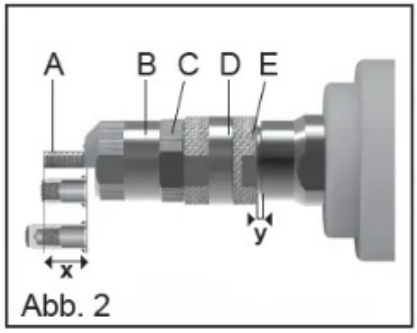
Start-up
Before starting the riveting tool, read and observe the operating instructions as well as safety information and keep in a safe place.

- • Insert fully charged battery in correct position into the blind rivet nut setting tool.
  • Select nosepiece and threaded mandrel from Table 2.6 and screw on (M6 in working position).

Caution!
The air inlets for the motor must not be obstructed; do not insert any objects into them.

Setting the threaded mandrel length x (Fig. 2)

- Set the threaded mandrel length x to the blind rivet nut length by turning the nosepiece B.
- Fully utilise the thread depth of closed blind rivet nuts (Fig. 2; 4).
- Secure setting of nosepiece B with lock nut C.



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Adjusting the setting stroke y (Fig. 2)

- The setting stroke y depends on the size of the blind rivet nut (M3-M10) and of the riveta-ble material z (Fig. 4).

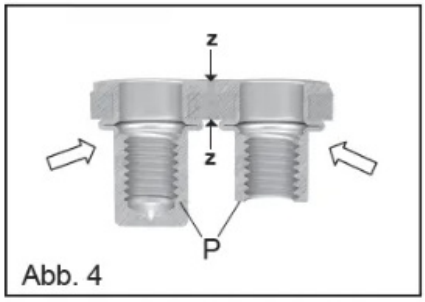


Abb. 4

Reference values for setting stroke y:

Thread size	Setting stroke y (in mm)	
	min.	**max.**
M3	1	2
M4	1	2
M5	1.5	2.5
M6	2.5	3.5
M8	2.5	3.5
M10	3	4

- The setting stroke y is adjusted by screwing the setting nut D in and out.

Important:

- Initially adjust the setting stroke y to the “min.” value and then set a blind rivet nut.
- If the blind rivet nut does not form a distinct closing as shown in Fig. 4 , increase the setting stroke y in steps.
- Secure the setting nut D with lock nut E.

Functional principle

Screwing on a blind rivet nut

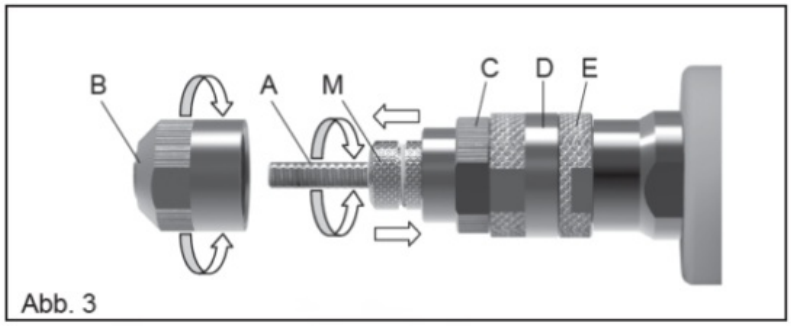
- Ensuring it is straight, set the blind rivet nut against the threaded mandrel A.
- Keep switch K pressed until the tool stops; then release.
- Hold the blind rivet nut during the entire screwing operation.
- Repeat the procedure if the blind rivet nut does not rest against the nosepiece B after the screw-on operation. Hold the blind rivet nut and briefly press the switch K to start the screw-on operation. Now repeat the screw-on operation!

Setting a blind rivet nut

- Insert the screwed-on blind rivet nut as far as it will go into the rivet hole.
- Press and hold switch K until the setting and automatic screw-on procedure is finished.

Changing the threaded mandrel (Fig. 3)

- Unscrew nosepiece B.
- Push back slide M as far as it will go.
- Unscrew threaded mandrel A and change.
- Align the surfaces of the hexagon on the screwed-in threaded mandrel 1 with the sur-faces of the hexagon of the holder.
- Lock the threaded mandrel A by pulling the slide M forward as far as it will go.
- Screw on matching nosepiece B, set threaded mandrel length x (see Point 2.7.1) and secure nosepiece B with lock nut C to prevent it turning.



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Environmental protection
If batteries need to be replaced, please observe the following:

- Return used GESIPA® rechargeable batteries to your dealer or to GESIPA® for recycling.
- Never discard used batteries into household waste, fire or into the water!

Caution!
In all EU countries, the relevant national regulations for implementing the EU guideline shall apply.

- In accordance with the EU Directive 2012/19/EC (WEEE), in Germany, this tool is regis-tered under the WEEE Reg.-No. DE 45695505. If the tool has an 8-digit serial number it can be returned free of charge to GESIPA® for correct disposal.

Storage
Store the blind rivet nut setting tool in a dry place where there is no danger of frost.

Repairs

Repairs under warranty are carried out by the manufacturer. Repairs outside the warranty pe-riod should only be carried out by skilled technical personnel. Failure to observe the assembly and setting procedures and operation by non-skilled personnel may result in serious damage to the blind rivet nut setting tool. In case of doubt, always send in the blind rivet nut setting tool to the supplier or to GESIPA®.

You can find the current spare parts list for your tool online at www.gesipa.com.

Troubleshooting

Blind rivet nut does not screw on

Cause	Corrective measures
Nut thread defective	Use new nut
Threaded mandrel A defective	Change threaded mandrel A
Nut does not rest against nosepiece	Threaded mandrel length **x** incorrect; adapt to nut length (see Point 2.7.1)
	While it is screwed on, hold the nut until the tool stops
Nut unscrews again	Keep switch K pressed until the tool stops
Battery discharged	Charge battery, replace if necessary

Set blind rivet nut is loose

Cause	Corrective measures
Setting stroke **y** too short	Increase setting stroke **y** (see Point 2.7.2)
Switch K released too early	Keep switch K pressed until automatic chan- geover and unscrewing are finished (see Point 2.7)

Threaded mandrel is not unscrewed

Cause	Corrective measures
Setting stroke adjusted incorrectly	Decrease setting stroke **y** (see Point 2.7.2); if necessary use hexagon screwdriver 8 to unscrew threaded mandrel A (see Fig. 1)
Battery discharged	Charge battery; replace if necessary

Red lamp indicates fault

When pressing the trigger button

Cause	Corrective measures
Blind rivet nut setting tool not in front end position	Release trigger button

During pulling operation

Cause	Corrective measures
Overload	Use tool within working range as specified intable (see 2.6.)
Electronics overheated	Allow blind rivet nut setting tool to cool down in air
Battery discharged	Charge or replace

After releasing the trigger button

Cause	Corrective measures
Front end position not reached	Screw together mechanical parts

Caution!
If faults occur that are indicated by the red lamp and cannot be rectified as described above, have the blind rivet nut setting tool repaired by a skilled technician or send it in to the manufacturer.

Warranty

The applicable terms and conditions of the warranty shall apply and can be viewed under the following link: **www.gesipa.com/agb**.

CE Declaration of Conformity

We hereby declare that the design and construction of the tool named below, as well as the version that we have put on the market, complies with applicable fundamental health and safety requirements stipulated in EU directives. Tool modifications made without our authorisation shall render this declaration void. The safety information in the product documentation provided must be observed. This document must be retained.

FireBird®

EC	UKCA
DIN EN ISO 12100:2011	The Supply of Machinery (Safety) Regulation 2008
DIN EN ISO 82079-1:2013	The Electromagnetic Compatibility Regulations 2016
DIN EN 62133:2013	The Waste Electrical and Electronic Equipment Regulations 2013
DIN EN 62841-1:2016-07	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
2012/19/EU	EN 62841-1:2015
2011/65/EU	EN 55014-1:2016
2006/42/EG	EN 55014-2:2015
2014/35/EU	
2014/30/EU	
DIN EN 55014-1:2016	
DIN EN 55014-2:2016	
DIN EN 61000-4-2:2009	
DIN EN 61000-4-3:2011	
DIN EN 62233:2008+	
EN 60335-2-29:2010	

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References

- **Blindniete, Blindnietmuttern, Nietgeräte, Systeme | GESIPA®**
- **Blindniete, Blindnietmuttern, Nietgeräte, Systeme | GESIPA®**