

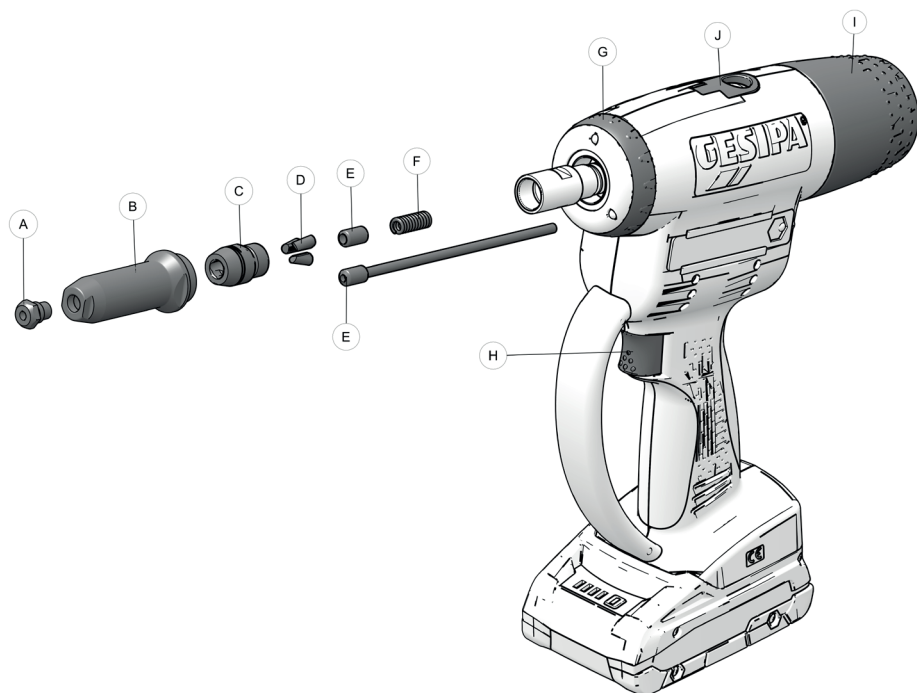
AccuBird® Pro PowerBird® Pro GE/iBird® Pro English Version



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GESIPA®



GB

A	Nosepiece
B	Steel head sleeve
C	Chuck housing
D	Jaws
E	Jaw pusher
F	Compression spring
G	Ring
H	Trigger
I	Spent mandrel container
J	Hanger

Table of Contents

1.	Blind rivet setting tool	17
1.1	Work capacity	17
1.2	Equipment/accessories	17
1.3	Technical data	17
1.4	Nosepiece table	18
1.5	Safety instructions	19
1.6	Starting procedure	20
1.6.1	To attach spent mandrel container	20
1.7	Mode of operation	20
1.8	Lighting	21
1.9	Maintenance	21
1.10	Storage	22
1.11	Repairs	22
2.	Troubleshooting	22
2.1	Blind rivet cannot be set	22
2.2	No spent mandrel discharge	22
2.3	LED lights flashing	23
3.	Warranty	23
4.	Declaration of conformity	24

1. Blind rivet setting tool

1.1 Work capacity

AccuBird® Pro / iBird® Pro (1764464)

Blind rivets from Ø 2.4 mm aluminium to Ø 6 mm of all materials (max. mandrel Ø 3.7 mm).

PowerBird® Pro Gold Edition / iBird® Pro

Blind rivets up to Ø 6.4 mm all materials. BULB-TITE blind rivets up to Ø 7.7 mm of all materials (max. mandrel Ø 4.5 mm).

1.2 Equipment/accessories

	AccuBird® Pro / iBird® Pro (1764464)	PowerBird® Pro GE / iBird® Pro
Nosepieces	17/24 in working position 17/27, 17/29 and 17/32 in magazine 17/20, 17/36, 17/40 enclosed	17/45 in working position 17/36, 17/40 and 17/32 in the nose-piece holder
Wrench	SW 12 (cover for nosepiece holder)	
Suspension loop	Concealed in housing	
Battery (quick-change)	18.0 V	18.0 V
Battery charger	100 V-240 V~/50-60 Hz	100 V-240 V~/50-60 Hz
Miscellaneous	Additional jaw pusher for larger blind rivet sizes	Additional jaw pusher for smaller blind rivet sizes

1.3 Technical data

	AccuBird® Pro / iBird® Pro (1764464)	PowerBird® Pro GE / iBird® Pro
Weight	2.1 kg (with 2.0 Ah battery)	2.1 kg (with 2.0 Ah battery)
Stroke	25 mm	
Drive unit	Brushless direct current motor	
Traction power	13.000 N	20.000 N
Noise emission	L_{PA} 78.5 dB (A), Measurement uncertainty K=3 dB	
Vibrations	< 2,5 m/s ² , Measurement uncertainty K=1.5 m/s ²	

1.4 Nosepiece table

Rivet Ø (mm)	Rivet material	Nosepiece	Part no.	Jaw pusher (E)	Jaws (D)
2.4	Alu	17/18	143 4976	143 5448	143 5568
3.2	CAP®-Alu; CAP®-Cu	17/18	143 4976		
3	Alu	17/20	143 4994		
3	Alu, steel, stainless steel	17/22	143 5018		
3 and 3.2	Alu, steel, stainless steel	17/24	143 4955		
4	Alu	17/24	143 4955		
4	Steel	17/27	143 4973		
4	Stainless steel	17/29	143 4974		
4.8 and 5	Alu	17/29	143 4974		
4.8 and 5	Steel	17/32	143 4975		
4.8 and 5	Stainless steel	17/36	143 4977		
6	Alu	17/36	143 4977		
6	Steel	17/40	143 4999	143 5384	
6.4	Alu	17/40	143 4999		
6.4	Steel, PG-Steel, G-Bulb®	17/45	143 4860		
8	Alu	17/45	143 4860		

BULB-TITE® Ø (mm)	Rivet material	Nosepiece	Part no.	Jaw pusher (E)	Jaws (D)
4	Alu/Alu	17/26 BT	143 4985	143 5448	143 4173
5.2	Alu/Alu	17/32 BT	143 4986		
6.3	Alu/Alu, steel/steel, Monel/stainless steel	17/42 BT	143 4988	143 5384	143 4173
7.7	Alu/alu	17/48 BT	143 4989		

MEGA GRIP® Ø (mm)	Rivet material	Nosepiece	Part no.	Jaw pusher (E)	Jaws (D)
4,8	Alu/Alu, steel/steel, stainless steel	17/31 MG	143 4993	143 5448	143 5568
6,4	Alu/Alu, steel/steel, stainless steel	17/41 MG	143 4865	143 5384	143 5568

BT = BULB-TITE®

MG = MEGA GRIP®

* available as special accessories to avoid blockages.

Elongated nosepieces and other special nosepieces are available upon request.


1.5 Safety instructions

Caution: 

The following safety rules must be observed for adequate protection against electric shocks, injuries or fire hazards:

- The blind riveting tool should be used exclusively to set blind rivets!
- Safety glasses must always be worn when working with the blind riveting tool!
- Do not use the tool without material! The blind rivet could be ejected from the tool! Never turn the tool towards yourself or towards another person!
- Do not overload the tool; work within the prescribed work capacity.
- Never use or store the blind riveting tool in damp/wet environments or in proximity to flammable liquids and gases (risk of explosion!) and store protected against frost.
- Ensure that the battery is properly secured in the grip.
- Remove the battery when the blind riveting tool is not in use and for repair/servicing operations.
- The battery may only be charged in the temperature range between 0°C and +50°C.
- Do not use the blind riveting tool as a hammer.
- Keep device, battery packs and charger away from children.
- Depending on the working arrangements, personal protective equipment (PPE) is recommended (e.g. protective clothing, gloves, safety helmet, non-slip shoes, hearing protection or fall protection).
- The air inlets for the motor must not be obstructed; do not insert any objects into them.
- When setting the blind riveting tool down, 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 the blind riveting tool back to the manufacturer.
- Container complete (H) must always be screwed on when operating the blind riveting tool.

1.6 Starting procedure

Caution: 

Fully charge the battery before using for the first time!

- Insert fully charged battery in correct position into housing.
- Select correct nosepiece (A) according to table 1.4.
- To screw in the nosepiece (A), activate the trigger (H) and proceed until the stop position has been reached at the back.
- Then remove the battery. Screw in the nosepiece (A) and tighten it using the wrench provided. Put the battery back in and activate the trigger (H).



Details for use of the iBird® Pro can be found in the iBird® Pro App under the “Operation & maintenance” section.

1.6.1 To attach spent mandrel container

- Fully screw on spent mandrel container (H) by turning clockwise.

1.7 Mode of operation

The blind riveting tool features optimised operating speed. After inserting the blind rivet, the blind riveting tool can be operated in two different modes:

a. Pressing and holding the trigger (H):

Pressing and holding the trigger (H) starts the riveting process. The riveting process stops automatically when the rear end position is reached. The blind rivet extractor returns automatically to the front starting position only when the trigger (H) is released.

b. Tapping the switch:

Briefly tapping and immediately releasing the trigger (H) does not start the riveting process. As soon as the mandrel breaks off, the blind riveting tool stops and automatically re-assumes the front starting position.

- Eject the spent mandrel by tilting to the rear into the spent mandrel container or to the front through the nosepiece.
- The blind riveting tool is equipped with overload protection. In the event of overloading the blind riveting tool, e.g. by setting rivets that are outside the working range, riveting stops, indicated by the 3 LEDs flashing slowly (1 Hz). Press the switch to make the blind riveting tool go back to the start position and it is then ready for operation.
- The control detects a blockage on return (e.g. dirt, foreign object, etc. in the steel head sleeve). The tool stops the return procedure and immediately assumes the rear end position automatically. The fault is indicated by the LEDs flashing rapidly (2 Hz). The battery pack must be removed and the fault eliminated. Then reinsert the battery and briefly press the switch. The tool assumes the front end position and is again ready for use.

- The blind riveting tool is fitted with an acoustic warning device, which provides information about the remaining battery time. Beeps sound to tell the user when to change the battery. This ensures that the blind riveting tool will not switch off during a riveting operation.

3 beeps and flashing LED lights for 10 seconds:

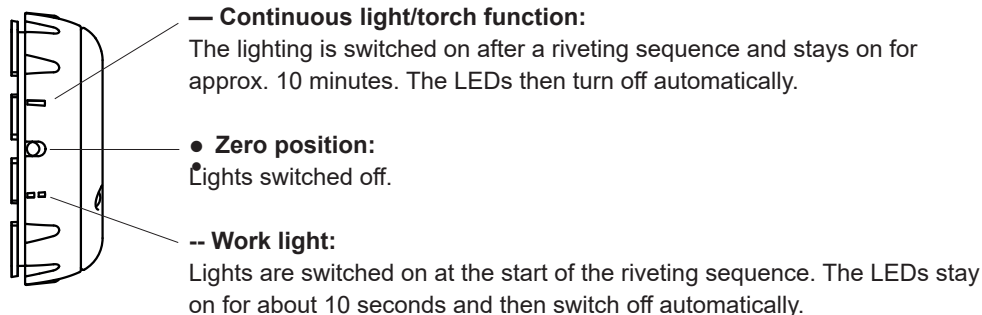
The battery needs to be changed soon (about 20% battery charge remaining).

6 beeps and flashing LED lights for 10 seconds after every setting sequence: Change the battery after a few more riveting sequences in order to guarantee safe riveting sequences (approx. 10% battery remaining).

9 beeps and flashing LED lights for 10 seconds: The next riveting sequence cannot be reliably carried out. The blind riveting tool is switched off. Change the battery.

1.8 Lighting

The blind riveting tool is equipped with 3 LED lights to illuminate the work space. These can be turned on by turning the black ring (F) behind the LEDs. There are 3 settings, which are displayed by an arrow cast in the housing.



1.9 Maintenance

The maintenance of the blind riveting tool is limited to the complete claw mechanism and the associated wearing parts:

- Remove battery from the blind riveting tool.
- Unscrew the head (B) using flat wrench SW 14 or SW 24 and clean. Look for deposits in the top of the head!
- Unscrew the jaw housing (C) using 2 SW 17 flat wrenches.
- Take out the jaws (D), jaw pusher (E) and spring (F), clean them and lubricate or grease the sliding surfaces; replace the jaws (D) if worn (blunt teeth!).
- Re-assemble in reverse order ensuring that all parts are tightened! We recommend that you secure the screw connection using a thread adhesive (such as Loctite 222 or Loctite 243).

Regular maintenance will extend the service life of your high-quality GESIPA® tools and they should be serviced at least every 2 years by an authorised workshop or by GESIPA® Service. For tools that are used intensively, we recommend servicing ahead of schedule.

1.10 Storage

The blind rivet setting tool should be stored in a dry place where there is no danger of frost.

1.11 Repairs

Repairs under warranty are carried out by the manufacturer. Repairs outside the warranty period 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 setting tool. In case of doubt, always send the blind rivet setting tool back to the supplier or to GESIPA®.

Important! In the case of repairs not carried out by the manufacturer or where special accessories (e.g. extension units, angle heads) are used, it is mandatory to carry out a manual reference run before using the tool again!

1. Ensure that the tool is ready for operation and that all required attachments are correctly mounted on it, then insert the battery.
2. Turn LED ring to • zero position.
3. Press and hold* the trigger button: the tool will move to the rear end position (riveting tools) or drill briefly (blind riveting tools) and then stop.
4. Turn LED ring to — Continuous light, without releasing the trigger button.
5. Hold the trigger pressed for a further 10 seconds until the tool beeps 3x.
6. The trigger button can now be released: the old reference values have been deleted.
7. Pressing the trigger button* again starts the reference run; the tool will move forward and back several times, flashing all the time.

*On tools with a spring-loaded trigger system, this must be pressed to release the tool.

After this reference run, start operation as described in section 1.6. Starting operation after a repair without carrying out a manual reference run can result in serious damage to the blind rivet nut setting tool.

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

2. Troubleshooting

2.1 Blind rivet cannot be set

Cause	Remedy
No battery	Charge battery; replace if necessary
Jaws dirty or worn	Clean them and lubricate or grease the sliding surfaces or replace them (see 1.9)
Jaw assembly loose	Tighten (see 1.9)

2.2 No spent mandrel discharge

Cause	Remedy
Nosepiece too small	Exchange according to table (see 1.4)
Dirt inside head	Clean (see 1.9)
Spent mandrel container full	Take off and empty
Mandrel tube blocked	Remove blocked mandrel and check for free ejection (see 1.9)

2.3 LED lights flashing

Cause	Remedy
No battery	Change battery (see 1.7)
Blind riveting tool overloaded (LED flashes slowly – 1 Hz)	Select rivet dimensions according to work capacity (see 1.1; 1.7)
Blind riveting tool blocked on return (LED flashes fast – 2 Hz)	Unscrew steel head sleeve and remove blockage (see 1.9)

3. Warranty

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

4. 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.

AccuBird® Pro

PowerBird® Pro GE

iBird® Pro

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	

Authorised documentation representative:

SFS Group Germany GmbH

Division Riveting – GESIPA®

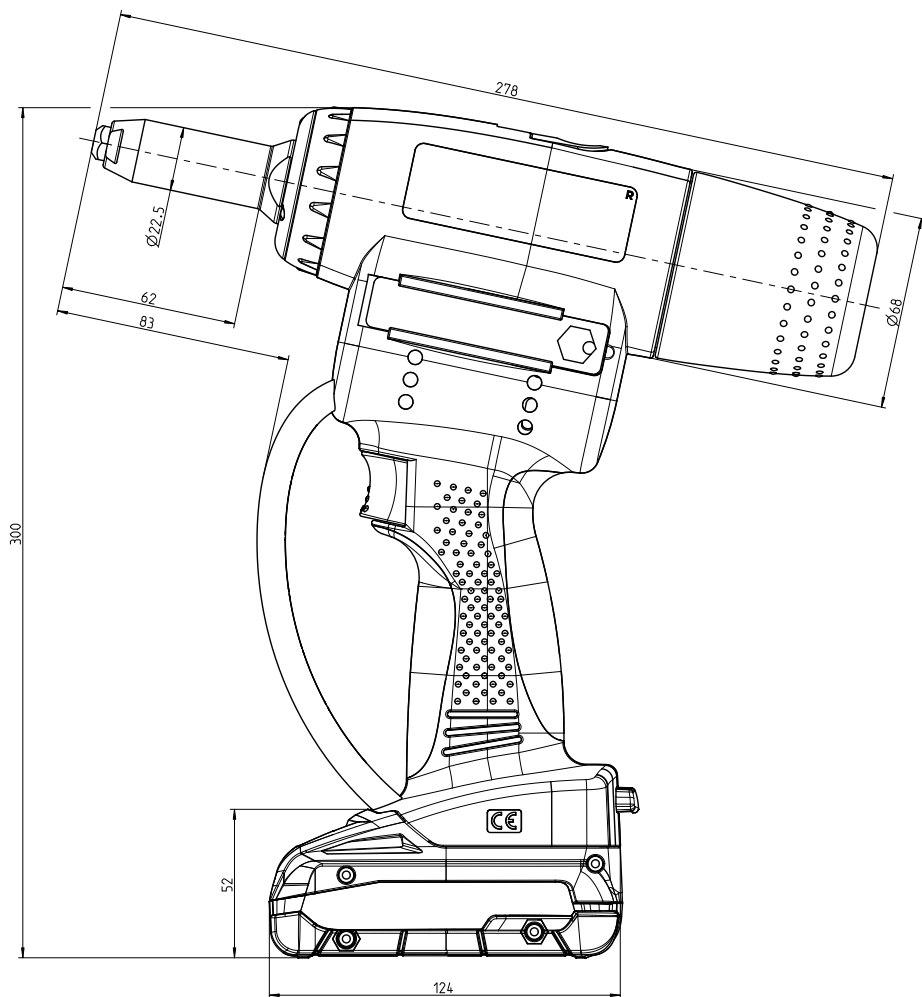
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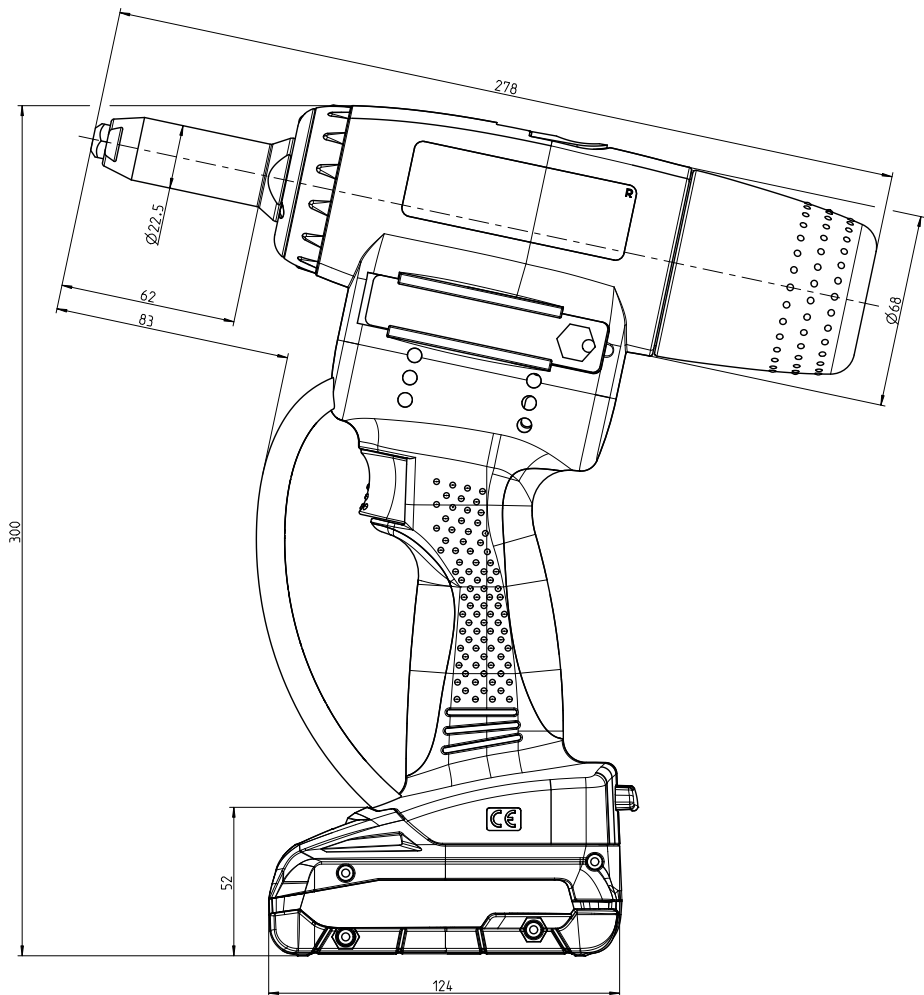


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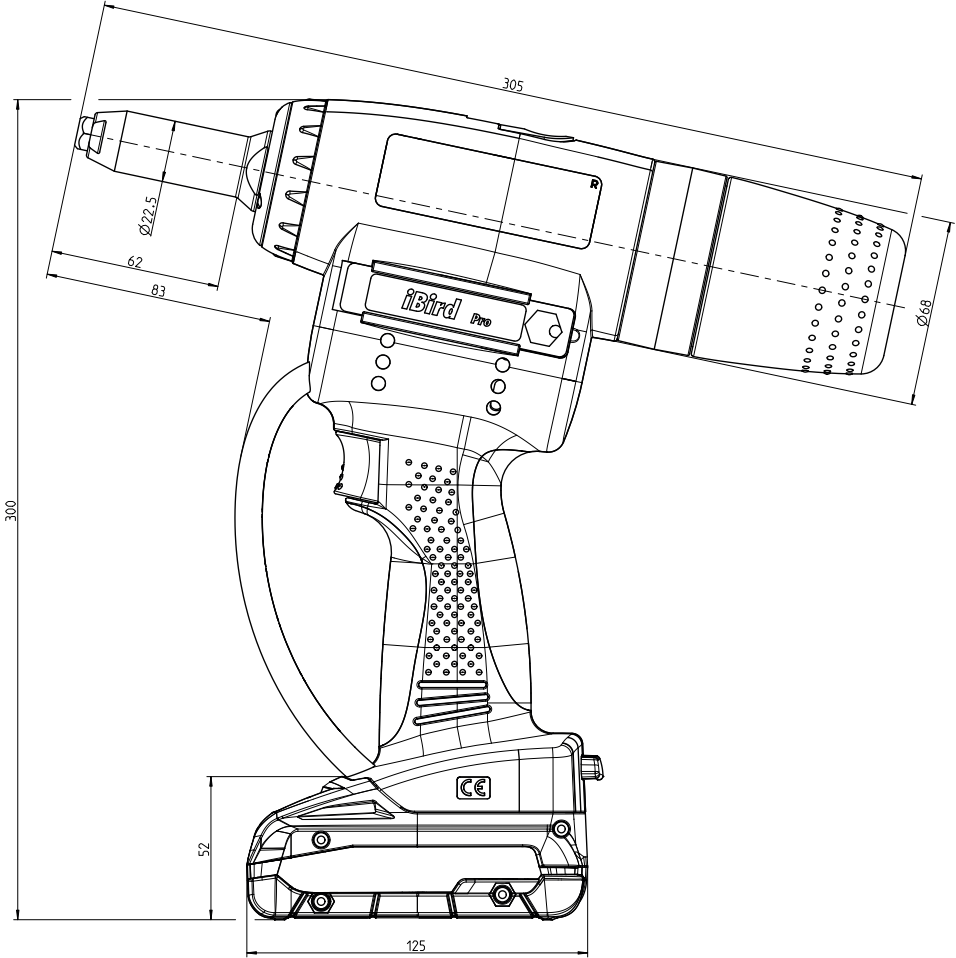
AccuBird® Pro



PowerBird® Pro Gold Edition



iBird® Pro



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| DE Ihr Fachhändler | DK Deres forhandler | GR Το ειδικό σας κατάστημα |
| GB Your dealer | SE Leverantör | HU Az Ön szaküzlete |
| FR Cachet de revendeur | FI Deres forhandler | PL Wasz dystrybutor |
| ES Proveedor | NO Jälleenmyyjä | CN 经销商 |
| IT Rivenditore autorizzato | PT O vosso distribuidor | RU Ваш дилер |
| NL Uw vakhandelaar | CZ Váš obchodník | |

