



User Manual

FERREX®

20 V LI-ION CORDLESS

IMPACT DRIVER

FID 20-I



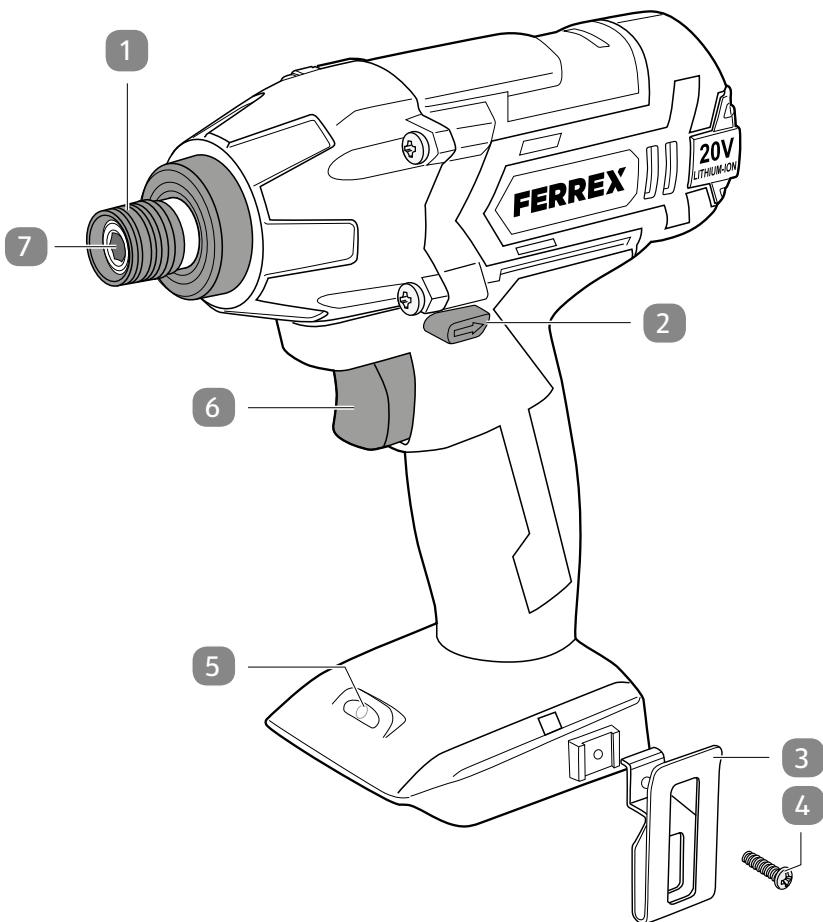
Original instructions

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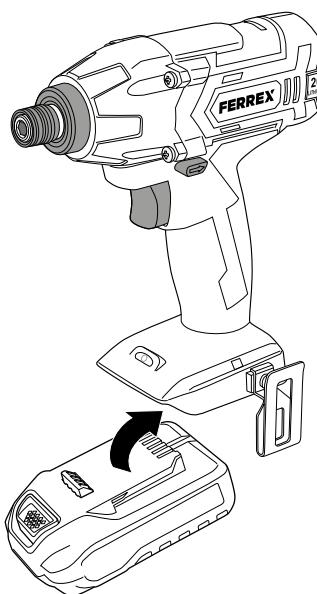
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Scope of delivery

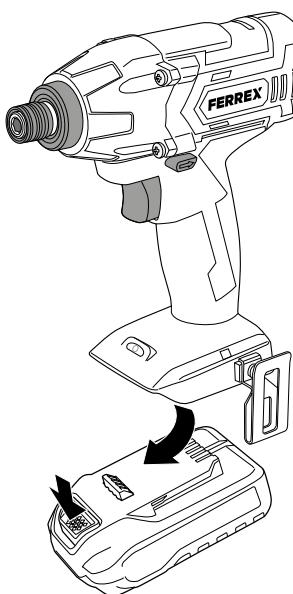
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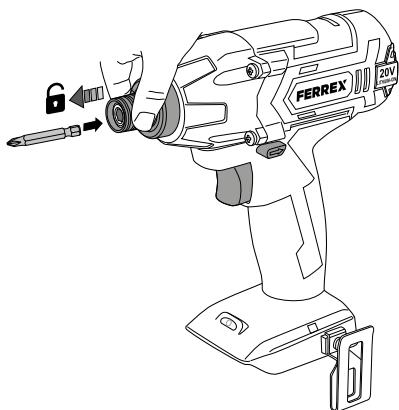
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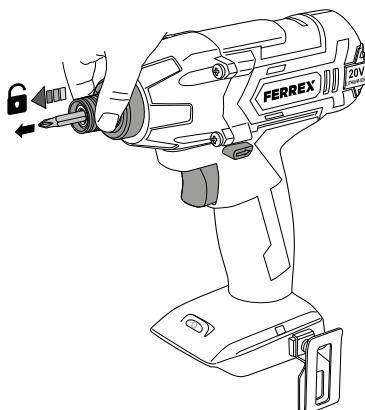
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D



E



Components

- 1 Locking sleeve
- 2 Direction switch
- 3 Belt clip
- 4 Screw
- 5 LED work light
- 6 On/off switch (with speed control)
- 7 Chuck

General information

Reading and storing the user manual



This user manual accompanies this 20 V Li-Ion Cordless Impact Driver FID 20-1 (subsequently referred to simply as "product"). It contains important information on safety, usage and care.

Before using the product, read the user manual carefully. Pay particular attention to the safety notes and warnings. Failure to comply with the instructions in this user manual may result in severe injury or damage to the product.

Comply with valid local or national provisions concerning the use of this product. Keep this user manual in a safe place for future reference. Make sure to include this user manual when passing the product on to third parties.

Proper use

The product is only intended for private use – such as hobby or do-it-yourself work – when undertaking the following:

- tightening and loosening screwed connections.

Any other applications are expressly prohibited and are deemed improper use.

Neither the manufacturer nor the retailer can accept any responsibility for injury, loss or damage caused by misuse of this product of any kind. Examples of misuse are given in the following non-exhaustive list:

- Using the product for other purposes other than those intended;
- Failure to observe the safety notes and warnings as well as the assembly, operating, maintenance and cleaning instructions contained in this user manual;
- Failure to comply with any regulations relating to accident prevention, occupational health or safety, which specifically and/or generally apply to the use of the product;
- Use of accessories and spare parts not intended for the product;
- Changes to the product;
- Product repairs performed by parties other than the manufacturer or a qualified professional;
- Use of the product for commercial, artisan or industrial purposes;
- Operation or maintenance of the product by persons not familiar with how to handle the product and/or who are not aware of the related risks.

Residual risks

Despite proper use, inconspicuous residual risks cannot be completely ruled out.

The following risks may arise due to the design of the product:

- Injury caused by touching rotating parts;
- Crushing or other injury through improper use;
- The bit or workpiece breaking.

Explanation of symbols

The following symbols are used in this user manual, on the product or on the packaging.



Declaration of Conformity (see 'Declaration of Conformity' chapter):
Products marked with this symbol meet all applicable Community regulations for the European Economic Area.



Read the user manual.



Wear protective goggles.



Wear a dust mask.



Wear ear protection.

Safety

Explanation of notes

The following symbols and signal words are used in this user manual.



WARNING!

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

NOTICE!

Warns against potential damages to property.

General power tool safety instructions

⚠ WARNING **Read all the safety notes, instructions, illustrations and technical details supplied with this power tool.** Failure to follow the safety notices and instructions may result in an electric shock, fire and/or severe injury.

Save all warnings and instructions for future reference.

The term "power tool" used in the safety instructions refers to mains-operated power tools (corded) and battery-powered power tools (cordless).

Work area safety

- a) **Keep your work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *If you are distracted, you could lose control of the power tool.*

Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*

- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not use the cord for improper purposes such as for carrying the power tool, for hanging it up or for pulling or unplugging it from the socket. Keep cord away from heat, oil, sharp edges and moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use only extension cords that are suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or connecting the power tool to a power supply while the switch is set to "on" may lead to accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Take care to keep a normal body position. Maintain a stable stance and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*

- g) **If there is an option for installing dust suction devices and dust containers, these should be attached and used correctly. Use of dust collection can reduce dust-related hazards.**
- h) **Do not be lulled into a false sense of security and ignore the safety rules for power tools, even if you are well acquainted with power tools, having used them frequently. Using power tools without due care and attention can cause serious injuries in a split second.**

Power tool use and care

- a) **Do not overload the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the rechargeable battery from the power tool before making any adjustments, changing insertion tools or storing the power tool.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children. Do not let any individual who is not familiar with the power tool or who has not read these instructions operate this power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and insertion tools with care. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** *If any parts of the power tool are damaged, have them repaired before use.* *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and fitted tools etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

h) **Keep handles and handle surfaces dry, clean and free from oil and grease.** *Slippery handles and handle surfaces will prevent you from operating and controlling the power tools safely in unforeseen situations.*

Cordless tool use and care

- a) **Only charge the rechargeable batteries with chargers recommended by the manufacturer.** *Chargers designed for a particular rechargeable battery type pose a risk of fire if used with other types of rechargeable battery.*
- b) **Only use the rechargeable batteries designated for use in power tools.** *Using other rechargeable batteries may result in injury and a risk of fire.*
- c) **Keep the unused rechargeable battery away from paper clips, coins, keys, nails, screws or other small metallic objects that could bridge the contacts.** *A short circuit between the contacts of the rechargeable battery could result in burns or fire.*
- d) **If used improperly, liquid may leak out of the rechargeable battery. Avoid coming into contact with it. Rinse with water in the event of accidental contact. If liquid comes into contact with your eyes, also seek medical attention.** *Fluid leaked from the rechargeable battery may cause skin irritations or burns.*
- e) **Do not use a damaged or modified rechargeable battery.** *Damaged or modified rechargeable batteries can be unpredictable and may result in fire, an explosion or a risk of injury.*
- f) **Do not expose a rechargeable battery to fire or excessively high temperatures.** *Fire or temperatures above 130 °C may cause an explosion.*
- g) **Carefully follow all instructions for charging the battery and never charge the battery or cordless tool outside of the temperature range indicated in the instructions.** *Improper charging or charging outside of the permitted temperature range may damage the battery and increase the risk of fire.*

Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

- b) **Never perform maintenance on damaged rechargeable batteries.**
Only the manufacturer or authorised service companies may perform maintenance on rechargeable batteries.

Special safety instructions for the impact driver

- a) **Hold the device by the insulated handle surfaces when performing work where there is a risk of the screw coming into contact with hidden power lines.** If the screw comes into contact with a voltage-carrying line, metallic parts of the device could be energised as a result and inflict an electric shock.

First use



WARNING!

Risk of injury!

Packaging material and small parts pose a risk of injury to children. Children may get caught in the packaging wrapper or swallow small parts and choke on them.

- Do not allow children to play with the packaging wrapper or small parts.

Checking the product and package contents

1. Take the product out of the packaging.
2. Check whether the product or the individual parts are damaged. If this is the case, do not use the product. Contact the manufacturer at the service address specified on the warranty card.
3. Check to make sure that the delivery is complete (see **Fig. A**).

Use

Attaching the belt clip

The belt clip **3** can be attached to either side of the product.

- Use the screw **4** to attach the belt clip to the product (see **Fig. A**).

Inserting a bit

Proceed as follows to clamp a bit or a bit coupler in place:

1. Make sure that the product is not operational.
2. Lock the on/off switch **6** by moving the direction switch **2** to the intermediate position.
3. Pull the locking sleeve **1** forward.
4. Insert the bit all the way into the chuck **7** (see **Fig. D**).
5. Let go of the locking sleeve to secure the bit in place.
6. To remove the bit, pull the locking sleeve forward (see **Fig. E**).

Switching the product on and off

Switching on

- Press and hold the on/off switch **6**.

The LED work light **5** will turn on when the on/off switch is pressed down all the way gently.

Switching off

- Let go of the on/off switch **6**.

Setting the direction of rotation

You can use the direction switch **2** to set the direction in which the impact driver rotates.

- Press the switch on the left-hand side:
the impact driver will rotate anticlockwise.
- Press the switch on the right-hand side:
the impact driver will rotate clockwise.

Using the battery



WARNING!

Risk of injury!

Incorrect use of the rechargeable battery and charger can cause injury.

- This product does not come supplied with a battery. Only use the rechargeable batteries specified in the chapter 'Technical data' for the product. Do not operate the product with rechargeable batteries from other manufacturers.
- Read and follow the instructions in the user manual for the battery and charger used.
- Remove the battery from the product when the product is not in use or is being checked, cleaned or stored.

Charging the battery

- To charge the battery, follow the instructions described in the user manual for the battery pack and charger used.

Inserting and removing the battery

- To insert the battery, slide it into the guide rail located at the bottom of the handle until you hear and feel it click into place (see **Fig. B**).
- To remove the battery, depress the battery release and pull out the battery (see **Fig. C**).

Troubleshooting

Problem	Possible causes	Solution
The product does not turn on.	The battery does not have enough power.	Charge the battery.
	The battery has not been inserted properly.	Slide the battery into the guide rail on the product's handle. The battery must lock into place with an audible and noticeable click.
	The direction switch 2 is in the middle position.	Press the direction switch all the way in the desired direction.

Cleaning and maintenance



WARNING!

Risk of injury!

Accidentally starting the product may result in severe injury.

- Remove the battery before performing any cleaning or maintenance work on the product.

NOTICE!

Risk of damage!

Water or other liquids that have penetrated the housing may cause a short circuit.

- Never submerge the product in water or other liquids.
- Make sure that no water or any other liquids get into the housing.

NOTICE!

Risk of damage!

Improper handling of the product can damage the product.

- Do not use any aggressive cleaners, brushes with metal or nylon bristles, or sharp or metallic cleaning utensils such as knives, hard scrapers and the like. They could damage the surfaces.

Cleaning

- Use a soft cloth or brush to clean the housing.
- Clean the vents and the area around the chuck as well.
- Remove dust by blowing it out with compressed air.

Inspecting the product

Check the condition of the product regularly. Among other things, check to make sure:

- that the switches are not damaged,
- that the accessories are in proper condition,
- the vents are unobstructed and clean. If applicable, use a soft brush to clean them.

If you identify any damage, you must have it repaired by a specialist workshop to prevent risks.

Replacing the carbon brushes

- If excessive sparking occurs, have the carbon brushes checked by a qualified electrician.
- The carbon brushes may only be replaced by a specialist workshop or by qualified specialists.

Storage

1. Clean the product thoroughly prior to storage (see chapter 'Cleaning and maintenance').
2. If possible, store the clean product and accessories in the original packaging, at a storage temperature ranging between 5°C and 20°C (room temperature), and in a place which is not accessible for children nor exposed to heat.

Transport

- If possible, use the original packaging for transport.
- Before transporting the product, remove the battery and bit and pack the product securely.

Technical data

Information on the cordless impact driver

Article number:	800248
Model:	FID 20-I
Model number:	WU5420013/WU5420014
Rated voltage:	20 V ===
Torque:	max. 180 Nm
Idle speed n_0 :	0-2800 min ⁻¹
Number of strokes:	0-3600 min ⁻¹
Chuck:	1/4" (hexagonal)
Weight:	1.1 kg

Battery and charger information

Use the product only in combination with Activ Energy® batteries and chargers with the following technical specifications:

Suitable for Activ Energy®

Rechargeable battery type:	20 V === / 2.0 Ah / 36 Wh/ Li-Ion
Models:	AEB 20-2.0I / AEB 20-2.0N / XYZ561
Charging time:	approx. 45 min.
Rechargeable battery type:	20 V === /2.5 Ah (x2) / 90 Wh/ Li-Ion
Models:	AEB 2040-2.5I / AEB 2040-2.5N / XYZ562
Charging time:	approx. 95 min.
Charger type:	21 V ===/ 4.0 A
Models:	AEC 20-4.0Ia / AEC 20-4.0Ic / AEC 20-4.0Na /XYZ563

Please see the technical specifications for the rechargeable battery and charger. Rechargeable batteries and chargers are separately available in your Aldi store.

Noise/vibration information



WARNING!

The specified total vibration value and noise emission values have been measured according to a standardised test method (EN 62841-1 & EN 62841-2-2) and can be used to compare power tools with one another. They can also be used for a provisional assessment of the load.

Warning!

While actually using the power tool, the vibration and noise emission values may differ from the levels specified depending on how the power tool is used, in particular which type of workpiece is being worked on.

Safety measures must be defined to protect the operator. They must be based on an assessment of exposure during actual usage conditions (all parts of the operating cycle must be accounted for, e.g. periods when the power tool is switched off and periods when it is switched on but not operating under load).

Try to keep the noise and vibration exposures as low as possible. Wearing gloves when using the tool, limiting working times and using accessories that are in good condition are a few examples of measures that can be taken to reduce vibration exposures.

- Sound pressure level L_{pA} : 93 dB(A)
- Sound power level L_{WA} : 104 dB(A)
- Uncertainty K: 3 dB(A)

- Vibration value when tightening screws and nuts of the maximum allowable size a_h : 20.4 m/s²
- Uncertainty K: 1.5 m/s²

Disposal

Disposing of the packaging



Dispose of the packaging separated into single type materials. Dispose of paperboard and cardboard with waste paper and plastics with recyclable waste.

Disposing of the product

- Dispose of the product in accordance with the disposal regulations in force in your country.



Old devices must not be disposed of with household waste!

This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE).

This product must be handed in at a collection point intended for the purpose. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Owing to potentially hazardous substances that are frequently contained in waste electronic equipment, incorrect handling of waste equipment may have a negative impact on the environment and on the health of human beings. By disposing of this product correctly, you are also contributing towards an efficient use of natural resources. Information on collecting points for waste equipment can be obtained from your municipal authorities, the public law disposal authorities, an authorised institution for the disposal of waste electrical and electronic equipment or the waste collection services.

Declaration of Conformity



Conmetall Meister GmbH
Oberkamper Straße 37 - 39
42349 Wuppertal
Germany



EC Declaration of Conformity

We declare with sole responsibility,
that the product listed below ...

20 V LI-ION CORDLESS IMPACT DRIVER
FID 20-I

FERREX*

WU5420013 / WU5420014 • 800248 • 04/2020

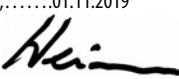
... meets all of the requirements
of the listed directives.

2011/65/EU (RoHS)
2006/42/EC (MD)
2014/30/EU (EMC)
2005/88/EC (ND)

Applied, harmonized standards:

EN 62841-1:2015
EN 62841-2-2:2014
EN 55014-1:2017
EN 55014-2:2015
EN 50581:2012

Wuppertal,.....01.11.2019


Ingo Heimann (M.Sc.)
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Authorized person for storing the technical documentation.



Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.



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AFTER SALES SUPPORT

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MODEL:

FID 20-I / WU5420013/WU5420014

04/2020

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YEAR
WARRANTY