User Manual

FERREX®

20 V LI-ION CORDLESS DRILL

FAB 20-Ib

Original instructions

Contents

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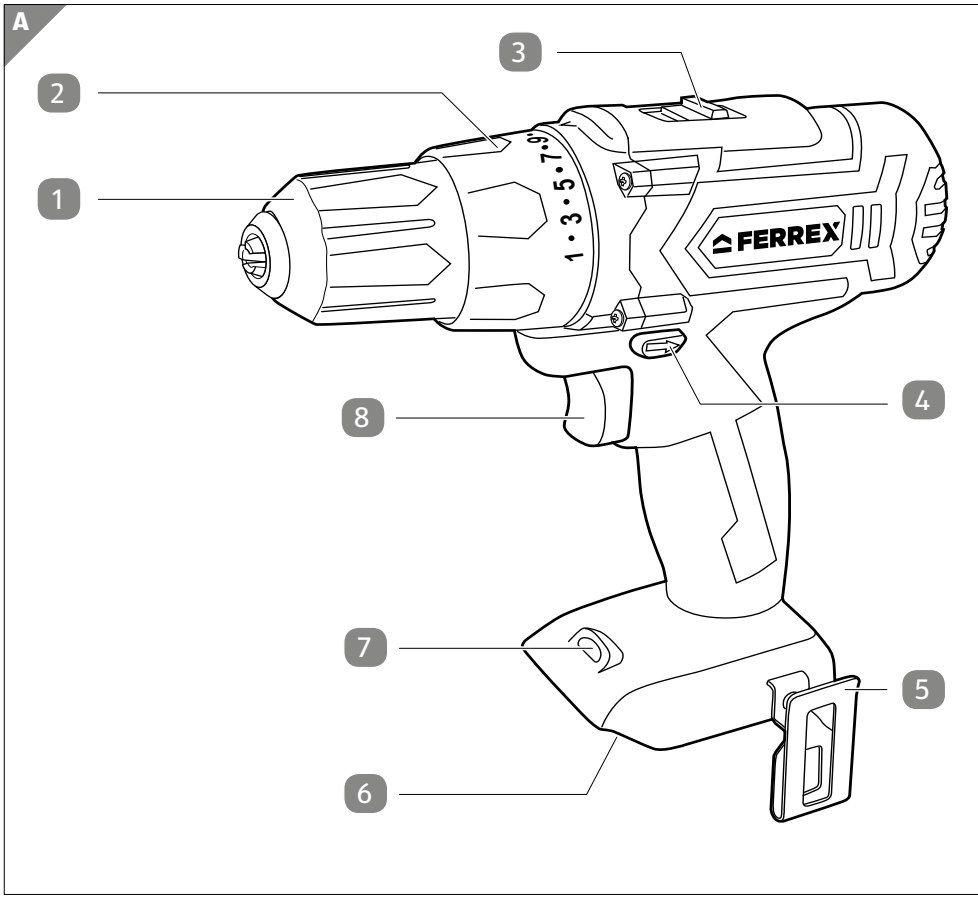
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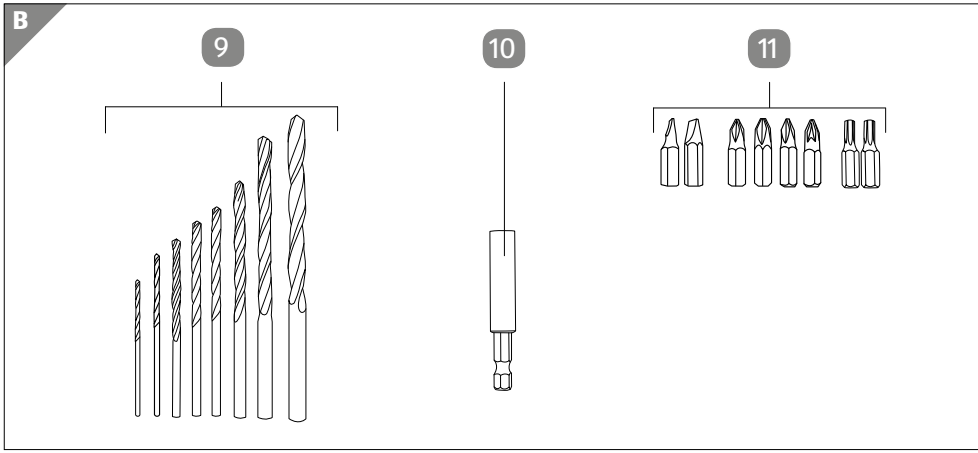
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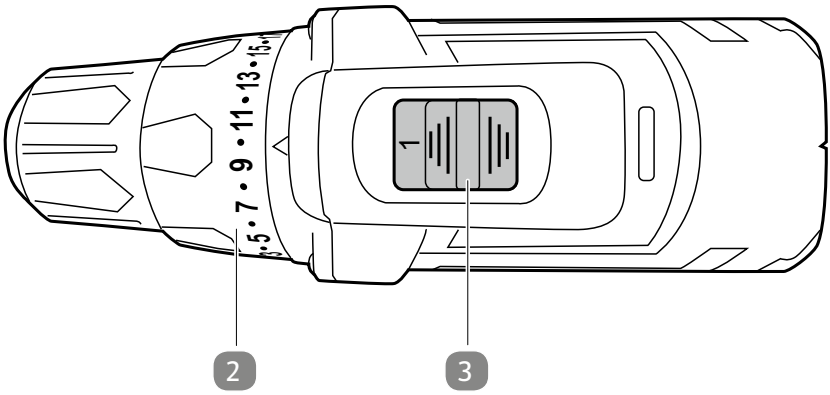

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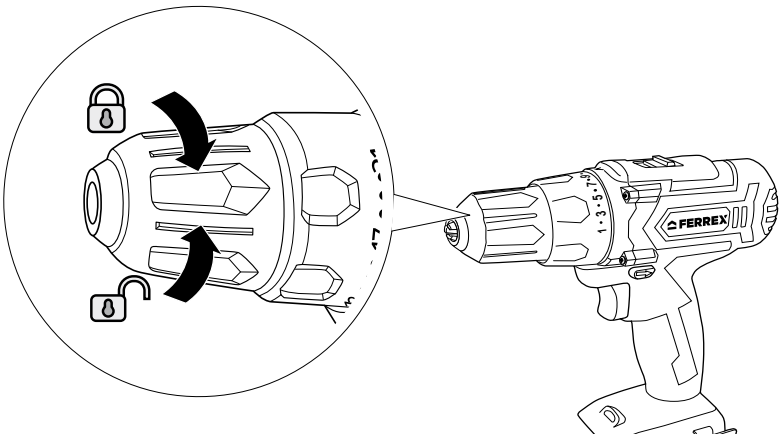


Package contents/device parts

1. Quick-action drill chuck
2. Torque adjustment ring
3. Gear switch
4. Right-handed/left-handed rotation selector
5. Belt clip
6. Battery holder
7. LED work light
8. On/Off switch (with speed control)
9. Drill bit (HSS spiral drill bit), 8×
10. Magnetic bit holder
11. Bit, 8×

General information

Reading and storing the user manual

This user manual accompanies this 20 V Li-Ion cordless drill FAB 20-Ib (referred to below only as the 'drill'). It contains important information on safety, usage and care.

Read the user manual carefully before using the drill. Pay particular attention to the safety notes and warnings. Failure to follow the instructions in this user manual may result in serious injury or damage to the drill.

Comply with valid local or national provisions concerning the use of this product. Keep this user manual in a safe place for future reference. If you pass the drill on to third parties, please be absolutely sure to include this user manual.

This user manual can be downloaded in PDF format from our website www.conmetallmeister.de.

Explanation of symbols

The following symbols and signal words are used in this user manual, on the drill or on the packaging.

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

Designates a dangerous situation that may result in minor or moderate injury if not avoided.

NOTICE!

Warns against potential damages to property.

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.

Safety

Proper use

The drill is only suitable for private use for hobby and DIY tasks for drilling and driving screws into wood, plastic and metal.

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

This drill does not come supplied with batteries or a charger. These must be bought separately: The drill can be operated using a 20 V battery or with a 20/40 V Activ Energy® battery. Only use the batteries specified in the chapter "Technical data" for the drill. Do not operate the drill with batteries from other manufacturers.

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 drill for other purposes than those which are 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 medicine or safety which specifically and/or generally apply to the use of this drill;
- Usage of accessories and spare parts which are not intended for the drill;
- Modifications to the drill;
- Repairs to the drill by parties other than the manufacturer or a qualified professional;
- Use of the drill for commercial or industrial applications as well as in connection with the trades;
- Operation or maintenance of drill by persons not familiar with how to handle the drill and/or who are not aware of or do not understand the associated risks.

Residual risks

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

Depending on the type of drill, the following hazards may occur:

- Injury to health attributed to vibrations if the drill is used over a prolonged period of time or is not guided in a controlled manner and maintained properly;
- Injury and damage to property caused by projected parts or tool adapters that break during use;
- Injury to health caused by working with toxic materials or materials posing a risk to health (e.g. asbestos).

General power tool safety instructions

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or severe injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

a) **Keep 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.** *Distractions can cause you to lose control.*

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 abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e) **When operating a power tool outdoors, use an extension cord 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 energising power tools that have the switch on invites 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) **Do not overreach. Keep proper footing 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 devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

Power tool use and care

a) **Do not force 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 battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool 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 tool bits 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 grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected 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.*

Safety instructions for all operations

a) **Wear ear protectors when impact drilling.** *Exposure to noise can cause hearing loss.*

b) **Use the auxiliary handle(s).** *Loss of control can cause personal injury.*

c) **Brace the tool properly before use.** *This tool produces a high output torque and without properly bracing the tool during operation, loss of control may occur resulting in personal injury.*

d) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

Supplementary safety instructions

Risk of electric shock!

A faulty electrical installation or excessive mains voltage may result in an electric shock.

- Do not open the housing. Liability and warranty claims are waived in the event of repairs performed by the user, improper connection or incorrect operation. Only have your power tool repaired by a qualified professional and only with original spare parts.
- Only parts that comply with the original device data and the manufacturer's specifications may be used for repairs. This drill contains electrical and mechanical parts which are essential for providing protection against sources of danger.

Risk of injury!

This drill is not intended to be used by persons with impaired physical, sensory or mental abilities or who lack experience and/or knowledge unless they are supervised by a person responsible for their safety or are instructed by such a person on how to use the device.

- Children should be supervised to make sure that they do not play with the drill.

NOTICE!

Risk of damage!

Improper handling of the drill may result in damage.

- Take the battery out of its compartment when you are no longer using the drill. This avoids damage that could be caused by battery leakage.
- Do expose the drill to mechanical shocks.
- Do not expose the drill with an installed battery to fire or excessively high temperatures. Fire or temperatures above 130 °C may cause an explosion.
- If necessary, clean the contacts of the battery and device before inserting them, e.g. with a piece of emery cloth.
- Do not use aggressive solvents to clean the drill.
- Never place the drill on or near hot surfaces (stove tops, etc.).
- Never expose the drill to high temperatures (heaters, etc.) or to the effects of the weather (rain, etc.).
- Never attempt to clean the drill by submerging it in water and do not use a steam cleaner to clean it.
- Stop using the drill if the plastic components show signs of cracks or breaks, or become deformed. Replace damaged parts only with compatible original spare parts.

Preparation

Check the drill and package contents

WARNING!

Danger of suffocation!

Do not allow children to play with the packaging material. Children may get caught in it when playing and suffocate.

- Keep children away from the packaging material.

1. Remove the packaging material and all protective foils.
2. Check whether the drill or the individual parts exhibit any damage. If this is the case, do not use the drill. Contact the manufacturer at the service address specified on the warranty card.
3. Check whether the delivery is complete (see **Fig. A** and **B**).

Using the battery

WARNING!

Risk of injury!

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

- This drill does not come supplied with batteries. Only use the batteries specified in the chapter “Technical data” for the drill. Do not operate the drill with batteries from other manufacturers.
- Read and follow the instructions in the user manual for the battery pack and charger used.

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, press the battery release button on the battery and slide the battery into the battery holder 6 (see **Fig. A**). The battery will audibly lock into place.
- To remove the battery, press battery’s release button and pull the battery out of the battery holder.

Use

WARNING!

Risk of injury!

If you use the drill improperly, you could hurt yourself and other persons. The loaded drill bit will heat up during operation.

- Do not touch the drill bit until it has cooled down.
- 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.

CAUTION!

Risk of injury while drilling!

While drilling, you could inhale dust and possibly wood chips that could harm yourself and other persons as a result. When drilling, the loud drilling noises could damage your hearing. Noise may cause hearing loss.

- Wear a dust mask.
- Wear ear plugs.

NOTICE!

Risk of damage!

If the vents on the drill are covered or an unsuitable drill bit and settings are used for different materials, the drill and the drill bits could be damaged.

- Do not cover the vents.
- If you cover the vents during operation, the accumulation of heat may damage the drill.
- Only use the enclosed drill bit for metal, wood and plastic.

Inserting tools

1. To clamp in one of the drill bits 9 or the magnetic bit holder 10 with one of the bits 11 in the quick-action drill chuck 1, turn it anti-clockwise (see **Fig. D**). This will open the quick-action drill chuck.
2. Select
   - the suitable drill bit and insert it in the quick-action drill chuck.
   - the magnetic bit holder with a suitable bit and insert it with the hexagonal side in the quick-action drill chuck.
3. Turn the quick-action drill chuck clockwise until tight (see **Fig. D**).

Removing tools

1. Turn the quick-action drill chuck 1 anti-clockwise (see **Fig. D**).
2. Take the tool out of the quick-action drill chuck and store it properly in the storage case.

Screwing and drilling

1. If you would like to drill or screw into soft wood, mark the applicable area.
2. Insert the battery if applicable (see chapter section “Using the battery”).
3. Insert a drill bit 9 or the magnetic bit holder 10 with a suitable bit 11 (see chapter “Inserting tools”).
4. Turn the torque adjustment ring 2
   - to the symbol (drilling) if you would like to drill into wood, plastic or metal. Do not use this setting when screwing;
   - to the desired torque if you would like to screw:

     Low torque: small screws and sensitive materials.
     High torque: large screws and robust materials.
     The torque adjustment ring will then audibly lock into place.
5. Use the gear switch 3 to select 1st or 2nd gear.
   Do not push the On/Off switch 8 and the gear switch simultaneously to avoid damaging the drill.

   Speed 1: 0 to 400 rpm

   Speed 2: 0 to 1500 rpm

   Speed 1 is suitable for screwing and drilling a large bore diameter. Speed 2 is suitable for drilling a small bore diameter.
6. Set the rotation direction of the quick-action drill chuck 1 using the right-handed/left-handed rotation selector 4: Select right-handed rotation (arrow pointing towards the quick-action drill chuck) so that the quick-action drill chuck turns clockwise. Select left-handed rotation (arrow pointing away from the quick-action drill chuck) so that the quick-action drill chuck turns anti-clockwise.
   The right-handed/left-handed rotation selector has a shift lock that engages if you want to push the On/Off switch and the right-handed/left-handed rotation selector at the same time.
7. Place
   - the drill bit straight on the marking;
   - the bit straight into the screw slot or slots.

8. Observe the following notes on screwing and drilling:

Screwing	• You can drive screws into soft wood without drilling a hole in advance. • Pre-drill when screwing into hard wood and driving in large screws. • Countersink the drill hole for countersunk screws. • In case of wood screws without continuous threading, pre-drill half a screw length. • If the set torque is exceeded, the slip clutch will block the rotation of the quick-action drill chuck.
Drilling (in general)	• Start at a low speed and feed force until the drill bit is firmly in place in the workpiece. • Pull the drill bit out of the drill hole regularly so that it can cool off.
Drilling (wood)	• Centre punch the marking for the drill hole with a centre punch. • Place a wood block under it or drill from both sides to prevent the wood from breaking off when breaking through. • Use an HSS wood drill bit (not included in the pack contents).
Drilling (metal)	• Centre punch the marking for the drill hole with a centre punch. • Clamp in the work piece and place a wooden block under it to prevent deformation. • Use an HSS spiral drill bit. • Use a smaller drill bit to pre-drill the hole for a large bore diameter. • Use a lubricant for steel and aluminium Steel: oil Aluminium: turpentine, paraffin Brass, copper, cast iron: do not use a lubricant

9. First gently push the On/Off switch to start the drill.

   If you push the On/Off switch, the LED work light 7 will turn on to illuminate poorly lit work areas.

10. Afterwards, push the On/Off switch while applying more pressure.

    The rechargeable battery may heat up depending on the load. Let the rechargeable battery cool off.

11. Hold the On/Off switch down until you have finished your work.

12. If necessary, change the direction of rotation of the quick-action drill chuck with the right-handed/left-handed rotation selector to remove the drill bit from the bore hole.

13. To finish working, let go of the On/Off switch.
    The LED work light will go out after approx. 3 seconds.

14. Let the drill cool off completely once you have finished work.
15. Remove the drill bit or the bit (see chapter “Removing tools”).
16. Remove the battery (see chapter “Using the battery”).

Removing a blockage

Follow the steps below to remove a blockage:

1. If the drill engages a blockage, release the On/Off switch 8 and pull the drill bit out of the drill hole.
2. Check whether the blockage is caused by the drill by briefly pushing the On/Off switch. Do not point the drill bit towards yourself or other persons and animals.
   - If it is not possible to start the drill, follow the instructions in the chapter “Troubleshooting”.
   - If the drill is working properly, follow the next steps in this chapter.
3. When screwing, set the torque adjustment ring 2 to a higher torque.
4. Push the On/Off switch all the way down and apply some pressure to the drill.
5. Take occasional breaks and take the drill bit out of the drill hole so that the drill bit can cool off.
6. Repeat steps 4 to 5 until the blockage has been removed.

After use

1. Switch the drill off by releasing the On/Off switch 8.
2. Set the right-handed/left-handed rotation selector 4 to the intermediate position to prevent it from unintentionally activating.
3. Remove the battery (see chapter “Using the battery”).
4. Allow the drill to cool down completely.
5. If necessary, remove the fitted tool.

Cleaning and maintenance

NOTICE!

Risk of damage!

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

– Never submerge the drill and the charger 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 drill may result in damage to the drill.

– 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

1. Allow the drill to cool down completely.
2. Remove the battery (see chapter “Using the battery”).
3. Wipe the housing of the drill with a clean, slightly damp cloth. Make sure that no water penetrates the housing.
4. Clean the contacts of the battery holder 6 and the drill with a dry, clean cloth.
5. Then dry the drill thoroughly and let it dry completely.
   You do not have to oil the drill.
6. Remove drill dust and any chips from the quick-action drill chuck 1. Keep the connection contacts of the drill and the battery clean.

The drill is now completely clean.

Checking the drill

Regularly check the condition of the drill.
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.

Storage

Short-term storage during work

You can use the belt clip 5 if you need to temporarily remove the drill while working:

– For example, simply clamp the drill to your belt with the attached belt clip. Always make sure that the drill is hung securely on the belt clip and cannot fall when using the belt clip.

Longer-term storage that interrupts work

– Clean the drill thoroughly before you put it away in storage (see the chapter “Cleaning”).

Transport

– Secure the drill to prevent the drill from slipping when transporting it in a vehicle.

Troubleshooting

Problem	Possible causes	Solution
The drill cannot be switched on.	The battery does not have enough power.	Recharge the rechargeable battery (see chapter “Charging the rechargeable battery”).
	The rechargeable battery has not been inserted properly.	Push the rechargeable battery all the way into the rechargeable battery holder until the rechargeable battery locks into place.
	The right-handed/ left-handed rotation selector 4 is in the middle position.	Push the right-handed or left-handed rotation selector all the way in.

Technical data

Drill information

Article number:	97661
Model:	FAB 20-Ib
Model number:	5420053/5420054
Idle speed:	1. gear: 0 to 400 rpm 2. gear: 0 to 1500 rpm
Quick-action drill chuck capacity:	13 mm
Extension cord (not included in the package contents):	
8 HSS spiral drill bits:	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm
8 bits:	PZ0 - PZ1 - PZ2 - PH0 - PH1 - PH2; slot 5, slot 6

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®

Battery type:	20 V ⎓/ 36 Wh/ Li-Ion
Models:	AEB 20-2.0I / AEB 20-2.0N XYZ561
Charging time:	20 V ⎓/ 36 Wh = approx. 45 min.
Battery type:	20 V ⎓(×2)/ 90 Wh/ Li-Ion
Models:	AEB 2040-2.5I / AEB 2040-2.5N XYZ562
Charging time:	20 V ⎓(×2)/ 90 Wh = 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 battery and charger.

Noise/vibration information

WARNING!

Health hazard!

Working without wearing hearing protection or protective clothing can lead to health problems.

– Wear ear protection and suitable protective clothing when working with the device.

The noise at your workplace may exceed 85 dB(A); protective measures are necessary in this case (wear suitable ear protection).

- Sound pressure level L_{pA}: 72 dB(A)
- Sound power level L_{wA}: 83 dB(A)
- Uncertainty K: 5 dB(A)

Total vibration value

- Drilling in metal $a_{h,D}$: 1.8 m/s²
- Uncertainty K: 1.5 m/s²

The specified vibration total value and noise emission values have been measured on the basis of a standardised test procedure (EN62841-1/EN62841-2-1) 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 the vibration load 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 when it is switched on, but not operating under load).

WARNING!

Depending on how the tool is used and the operating conditions, the following safety precautions must be taken to protect the user:

- Avoid exposure to vibrations as much as possible.
- Only use accessories in perfect working order.
- Wear vibration-damped gloves when using the drill.
- Care for and maintain the drill as described in this user manual.
- Avoid using the drill at temperatures below 10°C.
- Plan your work steps so as not to use strongly vibrating devices over several consecutive days.

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 drill

(Applicable in the European Union and other European states with systems for the separate collection of reusable waste materials)

The device and its accessories are made of different materials such as metal and plastic.

- Dispose of the drill in accordance with the regulations in your country.
- Please note that the used battery must be disposed of separately. Please observe the information described in the user manual for the battery used.
- Dispose of defective parts in the special waste collection service. Consult a specialist store or your local government.

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

GB IE

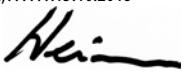
Conmetall Meister GmbH
Oberkamper Straße 37 - 39
42349 Wuppertal
Germany

CE

EC Declaration of Conformity

We declare with sole responsibility, that the product listed below …	20 V LI-ION CORDLESS DRILL FAB 20-Ib
FERREX®	5420053/5420054 • 97661 • 05/2019
… meets all of the requirements of the listed directives.	2011/65/EU (RoHS) 2006/42/EC (MD) 2014/30/EU (EMC)
Applied, harmonized standards:	EN 62841-1:2015 EN 62841-2-1:2018 EN 55014-1:2017 EN 55014-2:2015 EN 50581:2012

Wuppertal,…….15.10.2018



Ingo Heimann (M.Sc.)
Technical direction/Product development
Conmetall Meister GmbH · Oberkamper Straße 37 - 39 · 42349 Wuppertal · Germany
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.

GB IE

PRODUCED IN CHINA FOR:

ALDI STORES LTD. PO BOX 26, ATHERSTONE
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