

Dear Customer

Provided along with your new handy, cordless multi-function tool are 60 accessories for notching, engraving, milling, cutting, grinding, sharpening, polishing and cleaning. After using the accessories, you can safely store them in the supplied storage box. This way you won't lose any of them.

This product is equipped with safety features. Nevertheless, read the safety warnings on the overleaf carefully and only use the product as described in these instructions to avoid accidental injury or

Keep these instructions for future reference. If you give this product to another person, remember

Prior to first use

Unpacking



DANGER to children - danger to life by suffocation/choking Keep the tool, any small parts that can be swallowed and the packaging materials out of the reach of children. Dispose of the packaging materials immediately. Always keep the tool and all accessories out of the reach of

ightharpoonup Remove the tool and the storage box with the accessories from the packaging.

▶ Remove the packaging material. Check that the delivery contents are complete. Check the tool and accessories for transport damage.

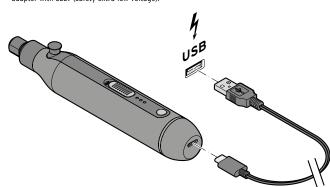
Charging the battery

The battery is not fully charged upon delivery. To reach the battery's maximal charging capacity, charge the tool fully before using it for the first time.

The charging time is at maximum approx. 2 hours.

You need a USB mains adapter with an output of 5 VDC 1 A.

1. Connect the provided charging cable to the charging socket of the tool and a suitable USB mains adapter with SELV (safety extra-low voltage).



2. Insert the mains adapter into an easily accessible mains power socket.

During the charging process, the indicator LEDs on the charging status display show the current capacity of the multi-function tool:

The indicator LED is lit up continuously - fully charged ○ • • The indicator LED is flashing - charging



The indicator LED is out - not yet fully charged



• • • The battery is fully charged when all three indicator LEDs light up continuously

3. After charging, unplug the mains adapter from the power socket and the charging cable from the device's charging socket

When its battery is fully charged, the cordless multi-function tool has an operating time of: approx. 180 minutes at low speed, approx. 150 minutes at medium speed or approx. 120 minutes at

Recharging is necessary as soon as the cordless multi-function tool is noticeably losing power.

Information on using rechargeable batteries

- The battery is protected against deep discharge. An integrated protective circuit switches the tool off automatically when the battery is fully discharged. In that case, the tool holder no longer rotates. Recharge the hattery in good time to ensure the longest possible hattery life.
- To preserve the rechargeable battery's full capacity for as long as possible, you should fully recharge the battery at least once a month, even if you do not use the tool. In addition, do not use the tool during charging.
- Charge the battery in an environment between +10 and +40 °C.
- The battery will best hold its charge at room temperature. The lower the ambient temperature, the shorter the operating time.
- To avoid straining the battery and to save power, always unplug the USB mains adapter from the power socket after charging.

NOTICE - material damage

•The tools can break if strong pressure is exerted on them at high speed. Only use low contact pressure when working. This protects your tool and workpiece!

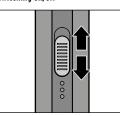
Use

- Never press the lock button while the tool is running!
- Only use tools that are in perfect condition and clean.

General tips for working

- · Keep the following in mind while working:
- Process metals at a lower speed than hardwoods.
- Plastics must only be processed at low speeds, as they tend to melt.
- If vibrations occur, increase the speed
- In general, work at low speeds when using the polishing and grinding discs.
- If the tool speed drops sharply during operation, you are probably applying too much pressure.

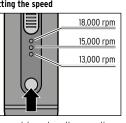
Switching on/off



> Slide the On/Off switch upwards as far as it will go.

Slide the On/Off switch downwards as far as it will go.

Setting the speed

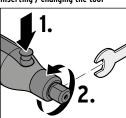


There are three speed levels.

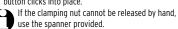
 \triangleright Briefly press the speed control button several times, as necessary, to set the desired speed.

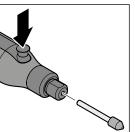
The speed depends on the	e respective applica	ati
Cutting metal:	13,000 - 15,000	r
Sanding wood:	15,000	r
Cutting hard materials:	15,000 - 18,000	r
Engraving metal:	15,000	r
Deburring:	15,000 - 18,000	r
Drilling:	13,000	r
Removing rust:	13,000 - 15,000	r
Sharpening:	13,000 - 18,000	r
Polishing:	15,000 - 18,000	r

Inserting / changing the tool

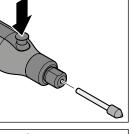


- Press the lock button and hold it down.
- Rotate the clamping nut anti-clockwise until the lock Attaching the cutting or grinding disc to the holder for cutting and grinding discs button clicks into place.



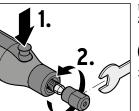


Continue to hold down the lock button while pushing the desired tool into the holder as far as it will go.



Continue to hold down the locking button while rotating the clamping nut clockwise to tighten it.

Changing the collet



Attaching the polishing disc to the polishing disc holder

Sliding the sanding belt onto the sanding belt holder

- Press the lock button and hold it down. 2. Rotate the clamping nut anti-clockwise and remove it
- If the clamping nut cannot be loosened by hand, use the spanner provided.

Pull out the inserted collet ...

Release the lock button

... and push the other collet into the holder as far as it

6. Press the lock button again and hold it down.

> Rotate the holder together with the thread into the

> Slide the sanding belt completely onto the roller of the

Unscrew the screw on the holder completely.

To do so, use the other end of the spanner provided.

Screw the cutting or grinding disc onto the holder

of the grinding disc must face upwards.

using the two washers and the screw. The grained side

the lock button clicks into place.

hand, use the spanner provided.

centre of the polishing disc.

Nominal input power:

Model:

Date of manufacture:

Battery (non-replaceable)

Output: 3 W Idle speed: 18000 min⁻¹

711 490

2025/02

5 V DC 1 A

 $L_{wA} = 60 \text{ dB(A)}$ Uncertainty $K_{wA} = 3 \text{ dB}$ Sound pressure level: Vibration emission value: $a_h = 10.5 \text{ m/s}^2$ Uncertainty $K = 1.5 \text{ m/s}^2$

Storage: +0 to +60 °C

(tested as per UN 38.3)

Charging time: max. 2 hours

Power supply: 3.7 V

Technical specifications

lithium-ion 3.7 V DC 1200 mAh, watt-hour rating: 4.44 Wh

Weight: approx. 0.25 kg Ambient temperature: Operation: +0 to +40 °C

Information about the inserted battery

Manufacturer

SHENZEN BOFUNENG BATTERY CO..LTD A Building, Chun yang Industrial park, Zhugushi Road, Wulian community,

Long Cheng Street, Longgang district, Shenzhen, China

wuda049@bfnbattery.com www.bfnbattery.com

To tighten the clamping nut, rotate it clockwise until Model If the clamping nut can no longer be rotated by

Net weight 20 g Manufacturing date

2025/02 Made in China

Declaration of Conformity

Tradecon GmbH hereby declares that, at the time of its being placed on the market, this product is in compliance with the essential requirements and other relevant provisions of these directives ...

- · 2006/42/EC: 2014/30/EU · 2000/14/EC; 2012/19/EU
- · 2011/65/EU
- .. and these standards.
- FN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3 EN 62841-1

The complete Declaration of Conformity can be found at: https://www.tradecon.net/conformity-declarations/

Disposal

The product, its packaging and the built-in rechargeable battery have been manufactured from valuable materials that can be recycled. Recycling reduces the amount of refuse and preserves the environment. Dispose of the **packaging** at a recycling point which sorts materials by type. Make use of the local facilities provided for collecting paper, cardboard and lightweight packaging. Devices, single-use batteries and rechargeable batteries marked with this symbol

must not be disposed of along with household wastel You are legally obliged to dispose of old devices separately from household waste. Electronic devices contain hazardous substances and, if stored or disposed of

improperly, may cause harm to health and the environment. Information about collection points where old devices can be disposed of free of charge is available from your local authorities. Flat single-use and rechargeable batteries must be handed in at a local authority collection point or returned to a battery retailer. Tape off the contacts of lithium single-use/rechargeable batteries prior to disposal.



Warning! This device contains a rechargeable battery that, for safety reasons, is firmly built into the device and cannot be removed without destroying the casing Improper disassembly leads to safety hazards. For this reason, take the device intact to a collection point where the device and battery will be disposed of properly.

Cleaning

NOTICE - material damage

- The tool must not be exposed to moisture. In addition, protect it from dripping and
- Do not use any caustic, aggressive or abrasive products for cleaning.

Always clean the tool immediately after use. Cleaning the tool properly and regularly extends its service life

▶ If necessary, wipe the tool with a dry cloth.

Product number: 711 490 Manufacture

Trade Con GmbH, Haferwende 36, 66740 28357 Bremen,

146214HR4X4XV · 2025-02

We hope you find this tool a great help.

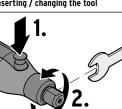
to also include these instructions.

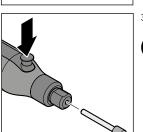
Switching off



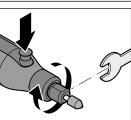
Always start at the lowest speed and then increase it until you reach the optimum speed.

ne speed depends on the respective application:			
utting metal:	13,000 - 15,000	rpm	
anding wood:	15,000	rpm	
utting hard materials:	15,000 - 18,000	rpm	
ngraving metal:	15,000	rpm	
eburring:	15,000 - 18,000	rpm	
rilling:	13,000	rpm	
emoving rust:	13,000 - 15,000	rpm	
narpening:	13,000 - 18,000	rpm	
olishing:	15,000 - 18,000	rpm	





All tools must be inserted as far as they will go into the holder to clamp them in. Shanks that protrude too far out of the tool bend easily and cause poor concentricity.



Drill, 2.3 mm Ø

processing wood, punch marking

Grinding tools

for sharpening,

Clean the grinding

sharpening stone

Sharpening stone

for cleaning and

shaping the

grinding tools

tools with the

deburring

shaping

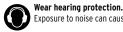
About these instructions

Symbols used in these instructions:

This symbol warns you about the risk of injury.



WARNING - To reduce the risk of injury, read the instructions for use before operating the product.



Exposure to noise can cause hearing loss.

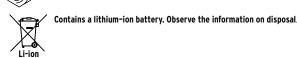


Sparks generated during work or splinters, chips and dust escaping from the device can cause injury.



A dust mask must be worn during dust-generating work to protect the respiratory tract from harmful dust particles.

Sound power level L_{WA} of the tool.





Signal words used in these instructions:

DANGER warns about the imminent risk of serious or fatal injury. NOTICE warns about the potential risk of material damage.

This indicates additional information

For your safety \angle !\

Intended use

- small parts made of steel, metal, wood, minerals, plastic and ceramic. • The product is intended for private use and is not suitable for commercial purposes.
- The tool must only be used in accordance with its intended purpose. Any other use is not intended. The user/operator, not the manufacturer, is liable for any damage or injuries of any kind caused by such use.

• You can use this product to notch, engrave, mill, cut/separate, grind, sharpen and polish

Danger to children and people with limited ability to operate power tools

- This product must not be used by children or by people who do not have the physical, sensory or mental capabilities, or the requisite knowledge or experience, to use it safely. Children must be supervised to ensure that they do not play with the tool
- Keep the packaging materials and small swallowable parts (all accessories) out of the reach of children.
- They pose several risks, including the risks of choking and suffocation!

Danger due to electricity

- The tool must not be used in rooms in which explosion risks exist.
- Protect the product from moisture. Water penetrating the power tool increases the risk of electric shock
- Do not use the tool while it is connected to the mains for charging. Do not charge the tool outdoors or in rooms with high humidity.
- Before use, check that all parts of the tool are working properly and are not stuck or that no parts are broken or damaged in such a way that impairs the function of the tool. Do not switch on the tool if it has visible signs of damage or has fallen down.
- Do not make any modifications to the product. Only have the product repaired at a specialist workshop
- The product contains a lithium rechargeable battery.
- There is a risk of leakage, gas emissions, explosion and fire:
- You cannot and must not remove or replace the rechargeable battery integrated into the product yourself. There is a risk of explosion if the battery is replaced improperly. When replacing the hattery use only a hattery of an identical or equivalent type. If the rechargeable battery is defective, contact a specialist workshop.
- Rechargeable batteries must not be taken apart, thrown into fire, heated above 60 °C or short-circuited. Do not modify and/or deform/heat/dismantle rechargeable batteries. Do not allow damaged rechargeable batteries to come into contact with water.
- Protect batteries from excessive heat, direct sunlight, extremely low air pressure (e.g. at high altitudes) or extreme temperatures, as they may otherwise explode or leak
- flammable liquids or gases. • To charge the battery, use only the provided charging cable and only a suitable mains adapter that complies with the product's technical specifications. Do not use a faulty mains adapter and do not attempt to repair a faulty mains adapter.
- If a rechargeable battery has leaked, avoid all contact with skin, eyes and mucous membranes. If necessary, rinse the affected areas with water and consult a doctor immediately.

Risk of injury

- Do not allow persons who are not familiar with the tool or have not read these instructions to use the tool.
- Prevent the tool from starting up unintentionally
- Only use tool attachments that are in perfect condition.
- For your own safety, only use accessories and attachments that are specified in these operating instructions or recommended or specified by the tool manufacturer. The use of accessories other than those recommended in these operating instructions can pose
- Use sandpaper of the correct size. Refer to the manufacturer's recommendations when selecting the sandpaper. Large sandpaper that protrudes beyond the grinding disc poses a risk of injury. The sandpaper can get stuck, rip or cause kickback.

- Ensure that loose parts or threads on the polishing disc do not rotate freely along with the disc. Cut off all loose parts/threads because they could get caught on a finger or on
- Do not use any power tool if its switch is defective. A power tool that can no longer be switched on or off is dangerous and must be repaired.
- Only use the tool in daylight or with good artificial lighting.

- Never press the lock button when the tool is switched on or when the tool is running.
- Protect the device from impacts, falls, dust, moisture, direct sunlight and extreme
- Do not use abrasive or caustic cleaning agents, or hard brushes, etc. for cleaning.

General power tool safety warnings (in accordance with DIN EN 62841-1)

WARNING! Read all safety warnings, instructions, illustrations and technical specifications provided with this power tool.

Failure to follow the safety warnings and instructions may result in electric shock, fire and/

Save all safety warnings and instructions for future reference.

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

1) Workplace safety

- a) Keep your work area clean and well lit.
- Disorder and insufficient illumination in work areas may result in accidents.
- b) Do not use power tools in areas at risk of explosion, where flammable liquids, gases or dust are present. Power tools produce sparks which may ignite dust or
- c) While operating the power tool, keep children and individuals not involved in using the tool away from it. Distraction may result in losing control of the tool. 2) Electrical safety
- a) The plug of the power tool must fit into the power socket. Do not modify the plug in any way. Do not use adapter plugs together with earthed power tools. Unmodified plugs and matching power sockets reduce the risk of electric shock. b) Avoid physical contact with earthed surfaces such as pipes, radiators, stoves
- or refrigerators. The risk of electric shock is higher if the body of the individual operating the power tool is earthed.
- c) Do not expose power tools to rain or moisture. Water penetrating the power tool increases the risk of electric shock.
- d) Never use the cable to carry or hang up the power tool or to pull the plug out of the power socket. Keep the cable away from heat sources, oil, sharp edges or moving parts of the power tool. Damaged or tangled cables increase the risk of electric shock. e) When operating the power tool outdoors, use only extension cables suitable
- for outdoor use. Using an extension cable intended for outdoor use reduces the risk of electric shock
- f) If you cannot avoid using the power tool in a damp environment, use a residual current device (RCD). Using a residual current device reduces the risk of electric shock.

3) Personal safety

- a) Remain vigilant, pay attention to what you are doing and use common sense when operating the power tool. Power tools must not be operated by individuals who are tired or under the influence of drugs, alcohol or medication. A moment's inattention when operating the power tool may result in serious injuries.
- b) Wear personal protective equipment and always wear safety goggles. Wearing personal protective equipment, such as a dust mask, non-slip safety shoes. safety helmet or ear protection, depending on the type and use of the power tool, reduces the risk of injury.
- c) Prevent the power tool from unintentional start-up. Ensure that the power tool is switched off before connecting it to the mains and/or the rechargeable battery or before lifting it up or carrying it. Carrying the power tool with your finger on the power switch or connecting the power tool to the power supply when it is switched on may result in an accident.
- d) Disconnect all adjustment tools or spanners before switching the power tool on. A tool or spanner connected to a rotating part of the power tool can cause injuries
- e) Avoid situations that require you to assume an unnatural position. Assume a secure working position and keep your balance at all times. This allows you to maintain better control of the power tool if something unexpected happens
- f) Wear suitable working clothes. Do not wear any loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair may get caught in the moving parts of the power tool.
- a) If dust extraction and collection devices can be installed, these must be connected and used correctly. Using devices for extracting dust can reduce dust hazards
- h) Do not let the experience you gain by using the power tool often allow you to fall into a routine and ignore safety precautions. Careless operation may result in serious injuries in a split second.

4) Operation and maintenance of the power tool

- a) Do not overload the power tool. Use the power tool designed for the particular task to be performed. Working with the proper tool is easier and safer within its designed range of efficiency.
- b) Do not use a power tool with a damaged power switch. A power tool which cannot be switched on or off is unsafe and must be repaired.
- c) Before adjusting the power tool settings, changing insert tool parts or putting the tool away, pull the plug out of the power socket and/or remove the rechargeable battery. This precautionary measure prevents inadvertent activation of the power tool.
- d) When power tools are not in use, keep them out of the reach of children. Do not allow the power tool to be operated by anyone who has not received proper training or has not read these instructions. Power tools operated by untrained individuals are unsafe.

- $\ensuremath{\mathrm{e}}\xspace)$ Keep power tools and insert tools in good operating condition. Check that the moving parts of the power tool are working properly and are not stuck or that no parts are broken or damaged in such a way that impairs the function of the power tool. Have the damaged parts of the power tool repaired before operating it. Many accidents are caused by the improper maintenance of power tools
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- q) Use the power tool, accessories, insert tools, etc. in accordance with these instructions. Take into account the working conditions and the work to be **performed.** The use of power tools for operations other than those intended can result in hazardous situations.
- h) Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces can hinder safe tool handling and control in unforeseen situations.

5) Operation and maintenance of the power tool battery

- a) Recharge the battery only with chargers specified by the manufacturer. Chargers suitable for a particular type of rechargeable battery create a risk of fire when used with other rechargeable batteries
- b) Use power tools only with specifically designated rechargeable batteries or battery packs. Use of any other rechargeable batteries or battery packs may create a risk of injury or fire.
- c) When the battery or battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Short circuiting the battery terminals may cause burns or a fire.
- d) Under abusive conditions, liquid may leak from the battery. Avoid contact. If contact accidentally occurs, flush with water, If the liquid contacts eyes, seek additional medical help. Liquid that leaks from the battery may cause skin irritation or burns.
- e) Do not use a damaged or modified battery. Damaged or modified batteries can behave unpredictably and lead to fire, explosion and injury.
- f) Do not expose a rechargeable battery to fire or excessive temperatures. Fire or temperatures above 130 °C can cause an explosion.
- a) Follow all charging instructions and never charge the battery or cordless tool outside the temperature range specified in the operating instructions. Incorrect charging or charging outside the permitted temperature range can destroy the rechargeable battery and increase the risk of fire.

- a) The power tool should only be repaired by a qualified person using only genuine replacement parts. This will guarantee safe further use of the power tool.
- b) Never service damaged batteries. All battery maintenance must be carried out only by the manufacturer or authorised customer service providers.

Safety warnings for all applications (in accordance with DIN EN 62841-2-3)

General warnings for grinding, sanding, working with wire brushes, polishing, milling and cut-off grinding

- a) This power tool can be used as a grinder, sander, wire brush, polisher, milling cutter and cut-off machine. Observe all warnings, instructions, illustrations and information supplied with the tool. Errors in complying with the instructions listed below can result in electric shock, fire and/or serious injury.
- b) Do not use any accessories that have not been specifically designed and recommended by the manufacturer for this power tool. The fact that an accessory can be mounted on your power tool does not guarantee safe use. c) The permissible speed of the grinding and sanding accessories must not
- exceed the maximum speed specified on the power tool. If the grinding or sanding accessories rotate faster than permitted, they can be damaged and disengage from the tool.
- d) The outer diameter and thickness of the accessories must correspond to the dimensions of your power tool. Incorrectly dimensioned accessories cannot be adequately regulated.
- e) Grinding discs, sanding rollers and other accessories must fit exactly on the **tool spindle or clamp.** Accessories that do not fit precisely on the tool spindle rotate irregularly, vibrate very strongly and can result in loss of control. f) Accessories fixed to a mandrel, such as grinding discs, sanding rollers and
- milling cutters, must be fully inserted into the clamping nut or drill chuck. If the mandrel is not secured correctly and/or the grinding disc protrudes too far, the grinding disc can disengage from the tool at high speed. q) Do not use damaged accessories. Before each use, check accessories such as
- grinding discs for chipping and cracks, or sanding rollers for cracks, wear and heavy abrasion or wire brushes for loose or broken wires. If the nower tool or accessory falls down, check whether it is damaged or use an undamaged accessory. Once you have checked and inserted the accessory, remove vourself and anyone in the vicinity from the area of the rotating accessory and allow the tool to run at maximum speed for one minute. Most often, damaged accessories break within this test period.
- h) Wear personal protective equipment. Depending on the application, use full face protection, eye protection or safety goggles. Where appropriate, wear a dust mask, hearing protection, protective gloves or a special apron that keeps small grinding and material particles away from you. Eyes must be protected from flying debris caused by various applications. Dust and respiratory masks must filter the dust generated during use. If you are exposed to loud noise for a long time, hearing loss can result.
- i) Ensure that other people keep a safe distance from your work area. Everyone who enters the work area must wear personal protective equipment Fragments of the workpiece or broken accessories can fly off and cause injuries even outside the direct working area. i) Hold the power tool only by the insulated gripping surfaces when working
- where the cutting tool may hit concealed power supply lines. Contact with a live wire can energise exposed metal parts of the power tool and potentially give the operator an electric shock.

k) Always hold the tool firmly in your hand(s) when it switching on.

- The reaction forces of the motor when it reaches full speed can cause a strong
- If possible, secure the workpiece using screw clamps, Never hold small workpieces in your hand while operating the tool with the other hand. Instead, clamp them in firmly to secure them so that you can control the tool with both hands. Round materials such as logs, pipes or hoses can rotate during cutting, which can cause the bit to get caught or be thrown in your direction.
- m) Never put the power tool down until the accessory has come to a complete standstill. The rotating accessories may come into contact with the work surface, which could cause you to lose control of the power tool.
- n) After changing bits and making adjustments, make sure that the clamping nut, chuck and all other adjusting devices are properly tightened Loose setting devices can move unexpectedly and lead to loss of control of the tool and to rotating parts flying around at high speed.
- o) Do not leave the power tool running while you are carrying it. Your clothing can be caught by accidental contact with the rotating accessory, which can cause serious injury.
- p) Clean the ventilation slots of your power tool regularly. The motorised fan draws dust into the housing and a large accumulation of metal
- dust can cause electrical hazards. $\boldsymbol{q})\,$ Do not use the power tool in the vicinity of flammable materials.
- r) Do not use any accessories that require liquid coolants. The use of water or other liquid coolants can result in electric shock.

Kickback and respective warnings

Sparks can ignite these materials.

Kickback is the sudden reaction caused by a rotating accessory that gets caught or blocked, such as a grinding disc, wire brush or sanding belt. Something getting caught or blocked causes the rotating accessory to stop abruptly. As a result, an uncontrolled power tool accelerates against the direction of rotation of the accessory, e.g. if a grinding disc catches or gets stuck in the workpiece, the edge of the grinding disc that is cutting into the workpiece can get caught, causing the grinding disc to break off or kick back. Then the grinding disc moves towards or away from the operator, depending on the rotation direction of the disc where it is blocked. Grinding discs can also break. Kickback is the result of incorrect or faulty use of the power tool. It can be prevented by taking suitable precautions as described below

- a) Hold the power tool firmly and bring your body and arms into a position in which you can absorb the kickback forces. The operator can control the reaction forces by taking suitable precautions.
- b) Take particular care when working around corners, sharp edges, etc. Prevent accessories from recoiling from the workpiece or jamming. The rotating accessories tend to iam when working in the area of corners or sharp edges or if recoil occurs. This causes a loss of control or kickback.
- c) Do not use a toothed saw blade. Such accessories often cause kickback or loss of control of the power tool
- d) Always guide the bit into the material in the direction in which the cutting edge exits the material (this is the direction in which the chips flv). If the tool is inserted in the wrong direction, the cutting edge of the bit is ejected from the workpiece, causing the tool to be pulled in the direction of insertion.
- e) When using rasping bits, cutting discs, high-speed milling cutters and tungsten carbide milling cutters, the workpiece must always be firmly clamped in. If these grinding instruments enter a groove at a slight angle, they can get caught and cause kickback. If cutting discs get caught, they usually break. If rasping bits, high-speed milling cutters or tungsten carbide milling cutters get caught, they can be ejected from the groove, resulting in loss of control over the

Special warnings for grinding and cut-off grinding

- a) Only use grinding instruments approved for your power tool and recommended for the respective application. For example, never use the side face of a **cutting disc for grinding.** Cutting discs are designed to remove material with the edge of the disc. Applying lateral force to the grinding instruments can break them.
- b) Only use undamaged mounting mandrels with unmodified clamping collars that are the correct size and length for grinding caps and sanding rollers. This reduces the risk of breakage.
- c) Prevent the cutting disc from jamming and from excessive contact pressure. **Do not make excessively deep cuts.** Overloading the cutting disc increases the strain on it along with susceptibility to tilting or blocking and thus the risk of kickback or grinding wheel breakage.
- $\mbox{\ensuremath{d}}\mbox{\ensuremath{)}}$ Do not position your hands in line with the rotating cutting disc or behind the rotating cutting disc. If kickback occurs as the cutting disc positioned in the workpiece is moving away from your hand, the power tool with the rotating disc. can be thrown directly towards you.
- e) If the cutting disc jams or blocks or when you interrupt your work, switch off the power tool and hold it steady until the disc has come to a standstill. Never attempt to pull the cutting disc out of the cut while it is still running, as this may result in kickback. Determine and rectify the cause of the jamming or
- f) Do not switch the power tool back on while it is still in the workpiece. Allow the cutting disc to reach full speed before carefully continuing to cut. Otherwise, the disc can get caught, be ejected from the workpiece or cause kickg) Prop up panels or large workpieces to reduce the risk of kickback due to
- a iammed cutting disc. Large workpieces can bend under their own weight. Such workpieces must be supported, both at the edges and on both sides of the cut-off line.

h) Be particularly careful when making plunge cuts in existing walls or other areas with sections that are not visible. When cutting into gas or water pipes, electrical cables or other objects, the cutting disc can cause kickback. Do not work with material containing asbestos (asbestos is considered

carcinogenic). Take protective precautions if harmful, flammable or explosive dusts can Take protective precautions if harmful, flammable or explosive dus be produced while working (some dusts are considered carcinogenic); wear a dust mask and use a dust/chip extractor if it can be connected.

Information on safe battery operation

Despite extensive safety precautions, handling rechargeable batteries always requires caution.

The following points must be observed to ensure safe operation. Safe operation is only guaranteed when battery cells are undamaged! Improper handling results in damage to battery cells.

Warning! Analyses confirm that gross misuse and improper care are the main causes of damage to high-performance, rechargeable batteries.

Information on the rechargeable battery

- The battery pack of the battery-powered tool is not charged on delivery. The rechargeable battery must therefore be charged prior to using the tool for the first time
- For optimum battery performance, avoid deep discharge cycles! Charge your battery frequently.
- Store your battery in a cool place, preferably at 15 °C, and charged to at least 40%.
- · Lithium-ion batteries are subject to natural ageing. The battery must be replaced at the latest when battery performance is at only 80% of its new condition! Weakened cells in an aged battery pack are no longer able to cope with high performance requirements, so they represent a safety risk.
- Used batteries must not be thrown into naked flames. Risk of explosion! Do not ignite batteries or expose them to fire.
- Do not allow the batteries to be deep discharged! Deep discharging damages the battery cells. The most common cause of deep discharge of battery packs is prolonged storage or non-use of partially discharged batteries. Stop working with the tool as soon as the power decreases noticeably or the protective electronics respond. Do not store the rechargeable battery until it is fully charged.

Protect rechargeable batteries and the tool from overload

Overloading quickly leads to overheating and cell damage inside the battery casing even though the overheating is not visible on the outside.

- Avoid damage and impacts! Immediately replace rechargeable batteries that have fallen from a height of more than 1 m or that have been subjected to heavy impacts. even if the battery pack casing appears undamaged. The battery cells inside may be dangerously damaged. In this case, also observe the information on disposal.
- In the event of overloading and overheating the integrated protective shutdown equinment switches the tool off for safety reasons. Warning! If the protective shutdown equipment has switched off the tool, do not use the power switch to turn the tool on again. This can result in damage to the rechargeable battery.
- Use only genuine, original batteries. Use of any other rechargeable batteries or battery packs may create a risk of injuries, explosion or fire.

Information on the charging process

- Protect the charging cable from damage and sharp edges. Damaged cables must be immediately replaced with an equivalent cable.
- Prevent children from accessing rechargeable batteries and the battery-powered tool. • The battery pack heats up under heavy use. Allow the battery pack to cool down to
- room temperature before starting the charging process. • Do not overcharge the batteries! Observe the maximum charging times These charging times only apply to discharged batteries. Inserting a charged or partially
- charged battery multiple times results in overcharging and cell damage. Do not leave rechargeable batteries connected to the mains for several days. Never use or charge rechargeable batteries if you suspect that it has been more than 12 months since the battery was last charged. There is a high probability that the
- battery is already dangerously damaged (deep discharge). • Charging at a temperature below 10 °C causes chemical damage to the cell and can result in fire
- Do not use batteries that have heated up during charging, as the battery cells could be dangerously damaged.
- $\, \cdot \,$ Do not use batteries that have bulged or deformed during charging or have displayed other unusual symptoms (outgassing, hissing, cracking, etc.). • Do not discharge the battery completely (recommended discharge depth max. 80%).
- Completely discharging a battery results in premature ageing of the battery cells. Never leave charging batteries unattended!

Protection from environmental influences

- Wear suitable work clothing. Wear safety goggles. • Protect your battery-powered tool from moisture and rain. Moisture and rain can
- result in dangerous cell damage. • Do not charge the battery-powered tool near vapours and flammable liquids.
- Only charge the battery-powered tool when it is dry and at an ambient temperature of 10-40 °C • Do not store the battery-powered tool and the rechargeable battery in places where
- the temperature can exceed 40 °C, especially not in a vehicle parked in the sun. · Protect batteries from overheating! Overloading, overcharging or exposure to sunlight results in overheating and cell damage. Never charge or work with rechargeable
- batteries that have overheated replace them immediately. • Storing batteries and the battery-powered tool. Only store your battery-powered tool in dry rooms with an ambient temperature of 5-30 °C. Protect it from humidity and direct
- sunlight! Only store rechargeable batteries in a charged state (at least 40% charged). • The lithium-ion battery must not be allowed to freeze. Dispose of rechargeable batteries that have been stored at temperatures below 0 °C for longer than 60 minutes Use caution with regard to electrostatic charging when handling rechargeable batteries:

Electrostatic discharges result in damage to the protective electronics and the battery

cells! Therefore, avoid electrostatic charges and never touch the battery terminals!

When shipping or disposing of rechargeable batteries or the battery-powered tool, ensure that the batteries are individually packed in plastic bags to prevent short circuits or fire!

Additional information for power tools

Noise and vibration in accordance with EN 62841

Sound pressure level $L_{...A} = 60 dB(A)$ $K_{wa} = 3 dB$

Exposure to noise can cause hearing loss: Wear hearing protection.



- Stop working if you feel noise-related discomfort. If the noise level is unusually high or the tool makes unusual noises.
- contact a specialist workshop and have the tool repaired. • Never wrap the tool in fabric or other materials to suppress the noise.
 - otherwise it will not be sufficiently ventilated. An overheated tool can lead to a risk of fire and injury.

Vibration emission value a_b = 10.5 m/s² K = 1.5 m/s² Uncertainty

The total vibration values (vector sum of three directions) were determined in accordance with FN 62841

Warning! The specified vibration emission value has been measured in accordance with a standardised test procedure and may vary depending on how the power tool is used, and in exceptional cases it may exceed the specified value

The specified vibration emission value can be used to compare one power tool with The specified vibration emission value can also be used for a preliminary assessment

of the negative impact. During prolonged use, the vibrations generated by the tool can cause numbness in the hands and shoulders



- Wear soft protective gloves.
- · Stop working if you feel vibration-related discomfort.
 - · Hold the tool firmly with your hands to reduce vibration • If the vibration level is unusually high, contact a specialist workshop and

have the tool repaired. Keep noise and vibration to a minimum:

- · Only use tools that are in perfect condition. Maintain and clean the tool regularly.
- · Adapt your working method to the tool.
- Have the tool checked if necessary · Switch the tool off when it is not in use

· Do not overburden the tool.