

VEVOR®

**ELECTRIC HAMMER
INSTRUCTION MANUAL**

VEVOR[®]

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Z1C-DS-24FQ



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there is any technology or software updates on our product.

WARNING



For your own safety, please read this manual carefully before using the electric hammer.

This tool is intended for hammer drilling in concrete, brick and stone as well as for light chiseling work; Drilling in wood, metal and plastic as well as for screw driving. Need to be used with specific tools.

- The hammering system in this tool outperforms any traditional ratcheting drill when drilling in concrete.
- This tool is designed for uses in combination with all standard SDS+ accessories.
- Please read and save this instruction manual carefully.

TECHNICAL SPECIFICATIONS SAFETY

GENERAL SAFETY INSTRUCTIONS

WARNING!

Read all instructions carefully. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your mains operated (corded) power tool.

1) WORK AREA

- a) Keep work area clean and well lit. Cluttered and 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.

2) 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.

3) 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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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, clothing and gloves 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.** g) Use of these devices can reduce hazards related with dust.

4) 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 before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Keep unused power tools out of reach of children. Do not allow people who are not familiar with power tools or this manual to operate power tools.** Power tools are dangerous in the hands of untrained users.

e) **Power tool Maintenance.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, power tools should be 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) **When using power tools, accessories and tool tips, please follow the requirements of this manual, and use in accordance with the specific type of power tools, and consider the working conditions and work to be carried out.** Using power tools to operate differently than expected can lead to dangerous situations.

5) SERVICE

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.

SAFETY INSTRUCTIONS FOR HAMMERS

When using the rotary hammer, always observe the enclosed safety instructions as well as the additional safety instructions.

The following symbols are used throughout this manual:

	Denotes risk of personal injury or damage to the tool. FOR YOUR SAFETY!
	Only after reading the operation manual and following all instructions, can you operate the tool safely.
	If the cord is damaged or broken when operating, do not touch the cord, but pull out the plug at once.
	Always wear eye protection, gloves and shoes. Please wear hearing protection to prevent hearing damage.
	Don't expose the tool to rain. Please do not operate the tool under damp and dark working condition.

- Wear ear protectors with hammer drills (exposure to noise can cause hearing loss).
- Use auxiliary handles supplied with the tool (loss of control can cause personal injury).
- Avoid damage that can be caused by screws, nails and other elements in your work piece; Remove them before you start working.
- Always keep the cord away from moving parts of the tool.
- When you put away the tool, switch off the motor and ensure that all moving parts have come to a complete standstill.
- Use completely unrolled and safe extension cords with a capacity of 16Amps.
- If there is an electrical or mechanical malfunction, please immediately switch off the tool and disconnect the plug.
- CONSTRUCTOR can assure flawless functioning of the tool only when original accessories are used.
- Use only accessories with an allowable speed matching at least the highest no-load speed of the tool.
- This tool should not be used by under age people.
- Be careful not to drill or drive into areas where electrical wires may be contacted; always use auxiliary handle.
- If the cord is damaged or cut through while working, do not touch the cord, but immediately disconnect the plug.
- Never use tool when cord is damaged; have it replaced by a qualified person.
- Always check whether the supply voltage is the same as the voltage indicated on the nameplate of the tool (tools with a rating of 120V can also be connected to a 120V supply).
- If the drill bit becomes unexpectedly jammed (causing a sudden, dangerous reaction), immediately switch off the tool.
- Be aware of the forces that occur as a result of jamming (especially when drilling metals); Always use auxiliary handle and take a secure stance.
- Always disconnect plug from power source before making any adjustment or changing any accessory.

TECHNICAL DATA

Voltage	120V~
Frequency	60Hz
Power Input	800W
No Load Speed	0-1470 min
Max Impact Rates	5200 min
Drilling Capacity in Steel	13 mm
Wood	42 mm
Concrete	26 mm
Chuck	SDS-plus

Weight	2.3 kg
LPA (Sound Pressure)	84.8 dB(A)
LWA (Acoustic Power)	98.8 dB(A)

Chiseling

Vibration emission value for hammer drilling in concrete $a_h = 10.661 \text{ m/s}^2$

K uncertainty = 1.5 m/s^2

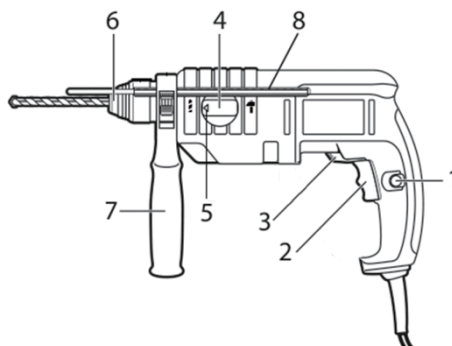
Vibration emission value for chiseling in concrete $a_h = 12.269 \text{ m/s}^2$

K uncertainty = 1.5 m/s^2

Take Appropriate Measures for the Protection of Hearing.

OPERATING CONTROLS

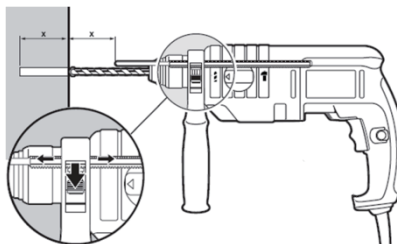
1. Button for switch locking
2. Switch for on/off and speed control
3. Lever for changing direction of rotation
4. Switch for selecting operating mode
5. Unlocking button
6. Locking sleeve
7. Auxiliary handle
8. Depth Stop



USE

- On/Off.
- Switch locking for continuous use.
- Changing direction of rotation.

Switch cannot be activated when it is not properly set in left/right position.



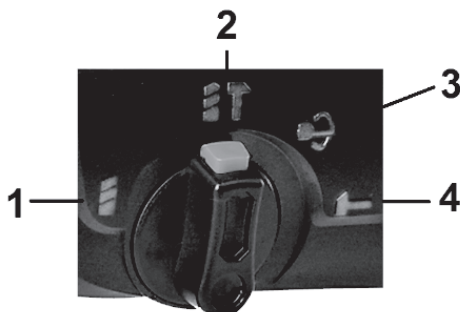
Change direction of rotation only when tool is at a complete standstill

Selecting Operating Mode

- Press button (5) to unlock switch (4).
- Turn switch (4) to the desired operating mode until it snap-locks.



Start working only when switch (4) is locked



1 = normal drilling/screw driving

2 = hammer drilling

3 = chiseling with rotating chisel

4 = chiseling with fixed chisel



Select operating mode only when tool is switched Off

-For drilling in wood, metal and plastic as well as for screw driving the ring gear chuck and the corresponding adapter should be used (See: Application Advice)

-The hammer mechanism is activated by applying a slight pressure on the tool when the drill bit is in contact with the work piece.

-Best hammer drilling results can be obtained by only a slight pressure on the tool needed to keep the automatic clutch engaged; Drilling performance will not improve by applying more pressure on the tool.

THE TOOL WORK FOR YOU

- Chiseling with rotating chisel.



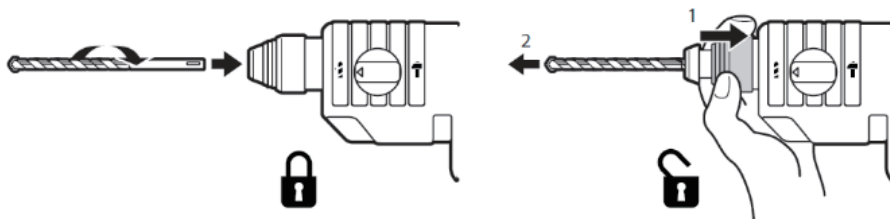
Switch off the tool and disconnect the plug

- Select “rotating” chiseling mode.
- Chiseling with fixed chisel.



Switch off the tool and disconnect the plug

- Select "rotating" chiseling mode.
- Place chisel in desired position.
- Select "fixed" chiseling mode .
- Changing bits!



- Clean and lightly lubricate accessory before insertion.
- Pull back locking sleeve (6) and insert accessory in SDS+ chuck while turning and pushing it until it engages; the accessory locks in position automatically.
- Pull accessory to check that it is locked correctly.
- Remove accessory by pulling back locking sleeve (6).



The SDS+ accessory requires freedom of movement which causes eccentricity when tool is off-load; However, the accessory automatically centers itself during operation without affecting drilling precision.



Do not use bits/chisels with a damaged shank.

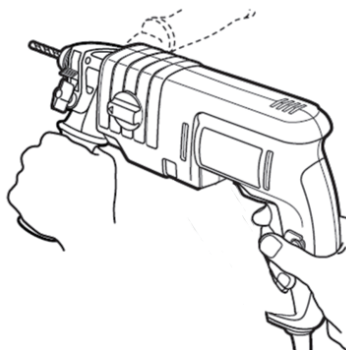
- Safety clutch if the accessory gets jammed, the drive to the spindle is interrupted (causing a rattling noise).
- Immediately switch off tool.
- Remove the jammed accessory.
- Switch on tool again.
- Adjusting drilling depth.
- Holding and guiding the tool.



Always use auxiliary handle (7)

(can be adjusted as illustrated).

- Keep the ventilation slots uncovered.
- Do not apply too much pressure on the tool; Let the tool do the work for you.



APPLICATION ADVICE

- Use the appropriate bits.



Only use sharp bits/chisels

- When drilling ferrous metal, if you need to drill a large hole, you can drill a smaller hole first.
- Lubricate drill bit occasionally with oil.

CLEANING AND MAINTENANCE



Disconnect the plug before cleaning

Regularly clean the ventilation slots.

The rotary hammer does not require any special maintenance.

Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth.

Always store your power tool in a dry place.

Keep the motor ventilation slots clean.

If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.

ENVIRONMENT



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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