

# DANGER

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

# SAFETY INSTRUCTIONS

**Danger! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read and follow these instructions before using the equipment and keep the safety information in a safe place.**

## 1. Keep work area clean

– Cluttered areas and benches invite injuries.

## 2. Consider work area environment

– Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.

## 3. Guard against electric shock

– Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges refrigerators).

## 4. Keep children away

– Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.

## 5. Store idle tools

– When not in use, tools should be stored in dry, high, or locked-up place, out of the reach of children.

## 6. Don't force tool

– It will do the job better and safer at the rate for which it was intended.

## 7. Use right tool

– Don't force small tools or attachments to do the job of heavy duty tool. Don't use tools for purposes not intended: for example, don't use circular saw for cutting tree limbs or logs.

## 8. Dress properly

– Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

## 9. Use safety glasses

– Also use face or dust mask if cutting operation is dusty.

## 10. Don't abuse cord

– Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.

## 11. Secure work

– Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

## 12. Don't overreach

– Keep proper footing and balance at all times.

## 13. Maintain tools with care

– Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

## 14. Disconnect tools

– When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

## 15. Remove adjusting keys and wrenches

– Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

## 16. Avoid unintentional starting

– Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

## 17. Outdoor use extension cords

– When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

## 18. Stay alert

– Watch what you are doing. Use common sense. Do not operate tool when you are tired.

## 19. Check damaged parts

– Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instructions manual. Have defective switches replaced by an authorized service center. Do not use tool if switch does not turn it on and off.

## 20. Warning

– The use of any other accessory or attachment other than recommended in this operating instruction or the Einhell catalog may present a risk of personal injury.

## 21. Have your tool repaired by an expert

– This electric appliance is in accordance with the relevant safety rules repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.

## 22. Connect the dust extraction device

Wherever there are facilities for fitting a dust extraction system, make sure it is connected and used.

**Do not lose these safety instructions.**

# SPECIAL SAFETY INSTRUCTIONS

## 1. Safety actions

- Blades that are deformed or cracked must not be used.
- If the table insert is worn, replace it.
- Use only blades which are recommended by the manufacturer and comply with EN 847-1. When changing the blade, make sure that the cutting width is not smaller and the saw plate not bigger than the thickness of the splitter.
- Make sure that the chosen blade is suitable for the material that is to be cut.
- If necessary, wear suitable personal protection equipment. This could consist of:
  - Ear plugs to prevent the risk of damaging your hearing;
  - A breathing mask to avoid the risk of inhaling hazardous dust.
- Always wear gloves when handling saw blades and rough materials. Whenever practicable, saw blades must be carried in a container.
- The following can have an influence on dust development:
  - Worn, damaged or cracked saw blades
  - Recommended capacity of the vacuum extraction system: 20 m/s
  - Proper guidance of the workpiece • Blades made of high-alloy high-speed steel (HSS) must not be used. • Keep the push stick or handle for a push block at the machine at all times, even when you are not using them.
- When the push block is not being used, insert it into its holder.

## 2. Maintenance and service

- The following conditions can have an influence on noise impact on the operator:
  - Type of sawblade (e.g. saw blades designed to reduce noise development)
  - Material of the workpiece
  - The force with which the workpiece is pushed against the sawblade
- Faults on the machine or its guards, safety devices and blade must be reported to the person in charge as soon as they are discovered.

## 3. Safe operation

- Use a push stick or the handle with a push block to feed the workpiece safely past the saw blade.
- Use the splitter and set it correctly.
- Use the upper blade guard and set it to the correct position.
- Circular saws must not be used for slotting jobs (cutting grooves which end in the workpiece).
- Use only blades whose permissible maximum speed is not lower than the maximum spindle speed of the bench-type circular saw and of the material to be cut.
- Use only the transport devices to move the machine. Never use the guards for handling or moving the machine.
- While you are moving the machine it is best to cover the top part of the blade, e.g. with the guard.
- Secure long workpieces against falling off at the end of the cut (e.g. with a roller stand etc.)

## 4. Additional instructions

- Give these safety regulations to all persons who work on the machine.
- Do not use this saw to cut fire wood.
- Do not use this saw to cross-cut roundwood.
- Caution! Hands and fingers may be injured on the rotating saw blade.
- The machine is equipped with a safety switch to prevent it being switched on again accidentally after a power failure.
- Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage.
- If you need to use an extension cable, make sure its conductor cross-section is big enough for the saw's power consumption. Minimum cross-section: 1 mm<sup>2</sup>.
- If you use a cable reel, the complete cable must be pulled off the reel.
- Check the power cable. Never use a faulty or damaged power cable.
- Operators have to be at least 18 years of age. Trainees of at least 16 years of age are allowed to use the machine under supervision.
- Keep your workplace clean of wood scrap and any unnecessary objects.
- Persons working on the machine should not be distracted.
- Note the direction of rotation of the motor and saw blade.
- After you have switched off the motor, never slow down the saw blade by applying pressure to its side.
- Only fit blades which are well sharpened and have no cracks or deformations.
- Never dismantle the machine's safety devices or render them inoperative.
- Faulty saw blades must be replaced immediately.
- Never use saw blades which do not comply with the data specified in this manual.
- It is imperative to make sure that all devices which cover the saw blade are in good working order.
- Warning: It is prohibited to use this saw to make plunge cuts.
- Damaged or faulty safety devices have to be replaced immediately.

- The splitter is an important safety device. Not only does it guide the workpiece, it also prevents the kerf closing behind the blade so that there is no kickback from the workpiece. Note the thickness of the splitter. The splitter should never be thinner than the saw blade body or thicker than the width of its kerf.
- The guard hood has to be lowered over the workpiece for each cut.
- Be sure to use a push stick when slitting narrow workpieces (smaller than 120 mm in width).
- Never cut workpieces which are too small to hold securely in your hand.
- It is imperative for the parallel stop to be clamped on the right-hand side of the blade whenever you cut narrow workpieces to size.
- Always stand to the side of the saw blade when working with the saw.
- Never load the machine so much that it cuts out.
- Always press the workpiece firmly against the saw table.
- Make sure that off-cuts do not catch on the saw blade crown. Risk of catapulting!
- Refit all guards and safety devices immediately after you have completed any repairs or maintenance work.
- Be sure to observe the safety information and operating and maintenance instructions issued by the manufacturer, as well as the dimensions listed in the Technical Data.
- It is imperative to observe the accident prevention regulations in force in your area as well as all other generally recognized rules of safety.
- Note the information published by your professional associations.
- Connect up the dust extraction system on all jobs. The operator has to be informed about the conditions with an influence on dust development, e.g. the type of material being processed (source and collection of the dust), the significance of local separation arrangements, and the correct setting of hoods, baffle plates and guides.
- Operate the saw only with a suitable vacuum extraction system or a standard industrial vacuum cleaner.
- Never remove loose splinters, chips or jammed pieces of wood when the saw blade is running.
- To rectify faults or remove jammed accessories, always switch off the machine first. Pull the power plug!
- To rectify faults or remove jammed pieces of wood, always switch off the machine first. Pull the power plug!
- If the sawing gap is worn, replace the table insert. Pull the power plug!
- This electric tool complies with the pertinent safety regulations.
- Keep your work area clean and tidy. Untidy and unlit work areas can result in accidents.
- Keep the tool out of the rain and away from moisture. The ingress of water into an electric tool increases the risk of an electric shock.
- Be careful, watch what you are doing and use an electric tool sensibly. Do not use the tool if you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when using the electric tool can result in serious injuries.
- Do not use an electric tool with a defective switch. An electric tool that cannot be switched on or off is dangerous and must be repaired.
- Keep unused electric tools out of the reach of children. Do not allow people who are not familiar with the tool or who have not read these instructions to use the tool. Electric tools are dangerous if they are used by inexperienced people.
- Keep your cutting tools sharp and clean. Carefully maintained cutting tools with sharp cutting edges will jam less and are easier to control.
- If the connection lead on the electric tool is damaged, it must be replaced by a specially prepared connection lead available from our customer service organization.
- Have your tool repaired only by trained personnel using only genuine spare parts. This will ensure that you tool maintains its safety standard.
- The machine has to be set up where it can stand securely.
- All covers and safety devices have to be properly fitted before the machine is switched on.
- It must be possible for the blade to run freely.
- When working with wood that has been processed before, watch out for foreign bodies such as nails or screws etc.
- Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the machine's moving parts run smoothly.
- Follow the instructions for lubrication and changing tools.
- Keep handles dry, clean and free from oil and grease.
- Keep the push stick or handle for a push block at the machine at all times, even when you are not using them.
- Use only the transport device for transporting the machine.
- While you are moving the machine it is best to cover the top part of the blade, for example using a guard.

**Do not lose these safety instructions.**