# 1500W
# ROTARY HAMMER

## INSTRUCTION MANUAL

**MODEL NUMBER BT-RH1500**

***AFTER SALES SUPPORT***
***TEL: 1300 922 271***
***EMAIL: service.australia@einhell.com***

# Rotary Hammer

## What your 1 year warranty means

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 1 year after the 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 after sales support services, details of which can be found in this manual and on the product itself.

## Welcome Section

Congratulations on choosing to buy a TAURUS® product.

All products brought to you by TAURUS® are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive **1** Year Warranty.

We hope you will enjoy using your purchase for many years to come.

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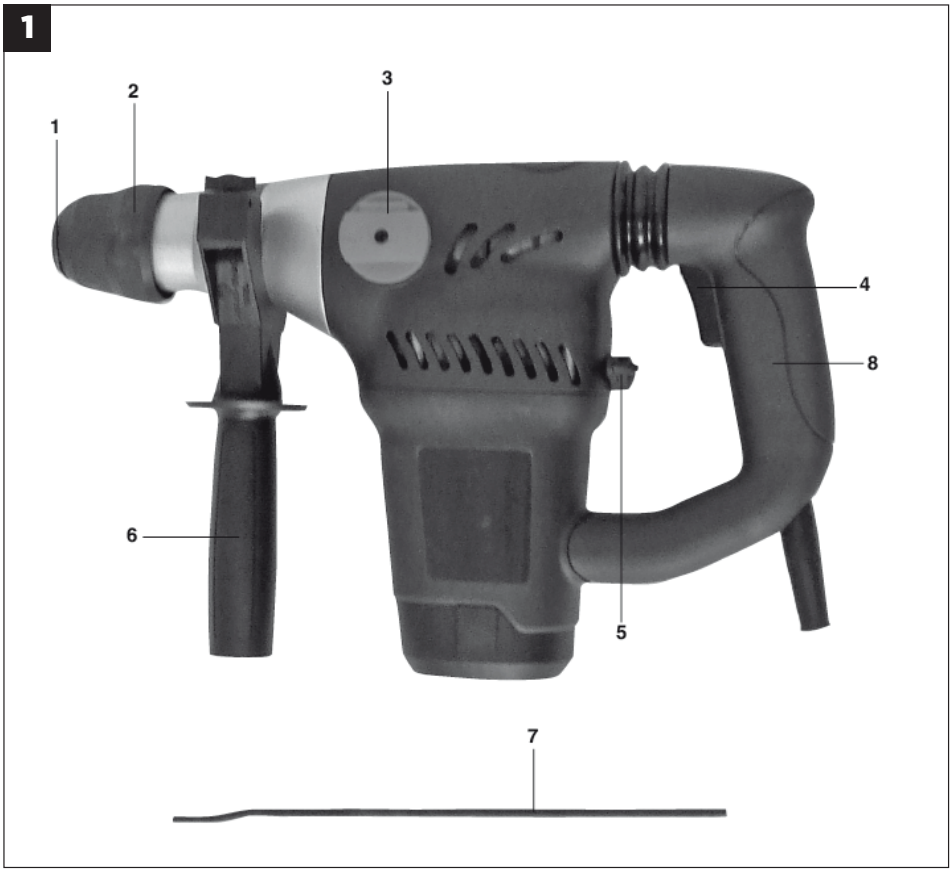
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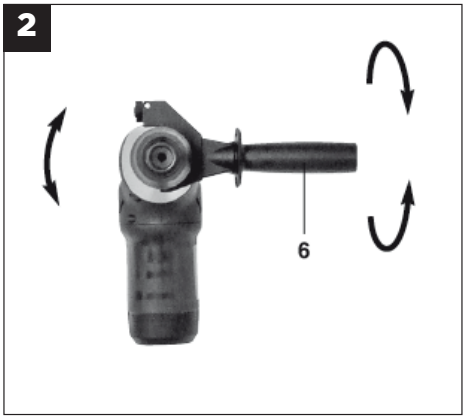
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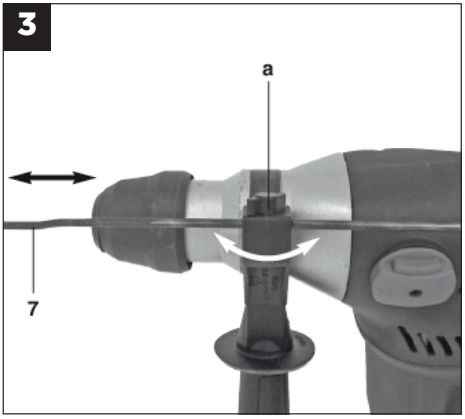
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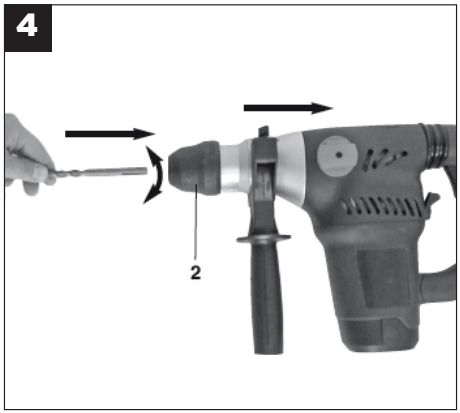
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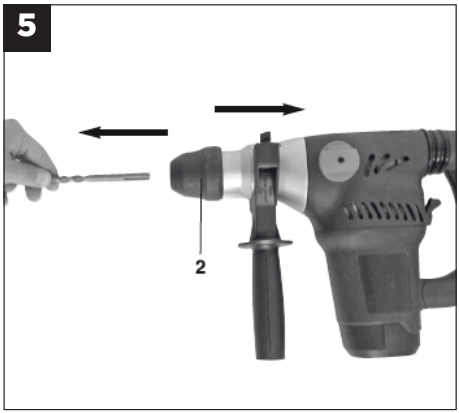
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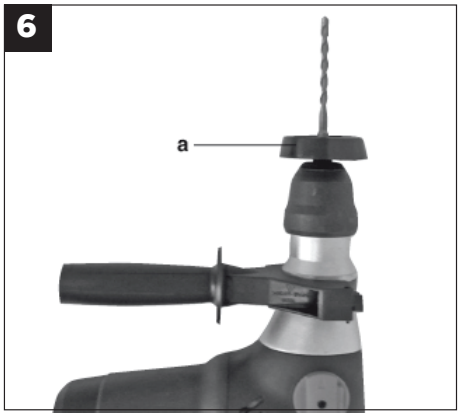
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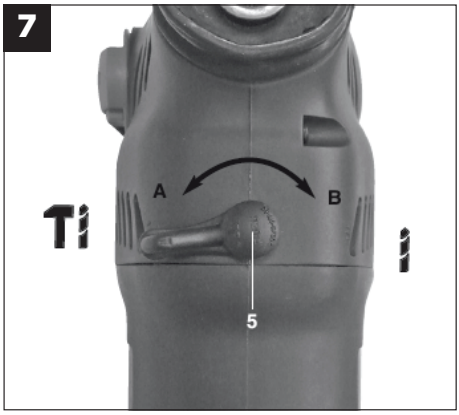
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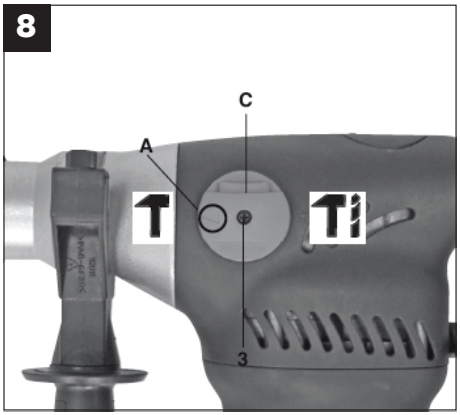
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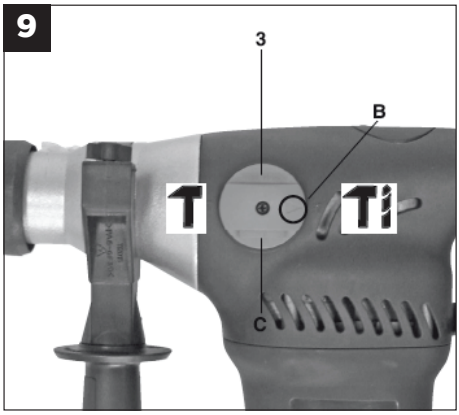
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# GENERAL SAFETY RULES

**WARNING!** Read all instructions *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 or battery-operated (cordless) power tool.*

## SAVE THESE INSTRUCTIONS

**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 tools plugs must match the outlet. Never modify the plug in any way.** *Do not use any adapter plugs with earthed (grounded) power tool. 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 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.** *Use of these devices can reduce dust-related hazards.*

**4. Power tool use and cars**

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 the battery pack 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. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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 and in the manner intended for the particular type of power tool, 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.*

**5. 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.*

**Safety Information for hammer**

a. **Wear ear protection.** *The impact of noise can cause damage to hearing.*

b. **Use the additional handles supplied with the tool.** *Losing control of the tool can cause injuries.*

c. **Hold the equipment by the insulated handles when carrying out work during which the plug-in tool could strike concealed power cables or its own mains lead.** *Contact with a live cable can also make the metal parts of the equipment live and will cause an electric shock.*

**Additional Safety Rules**

- Check that your mains voltage is the same as that marked on the rating plate.
- If you use a cable reel, run all the cable off the reel. The minimum conductor cross section used should be 1.5 mm².
- If you use this electric hammer drill outdoors you must connect it using a suitable H07RN-F 3G 1.5mm² extension cable with a spray-water protected plug.
- Make sure of your footing, particularly when working free-handed on ladders or scaffolding.
- Use a detector to localize pipes and/or cables in walls with concealed electric, water or gas lines.
- Avoid any contact with conducting electrical parts or lines.
- Wear ear-muffs to protect your hearing: Risk of progressive loss of hearing!
- Wear goggles and use a breathing mask on dusty jobs.
- Never use the machine near vapors or combustible liquids.
- Always unplug the machine before cleaning it or changing drill bits etc.
- Keep the power cable safe from damage. Oil and acids can damage cables.
- Never overload the machine.
- Important! Follow all safety regulations in your country applicable to the installation, use and maintenance of the machine.
- Chisel bits and drill bits can be inadvertently thrown out from the machine and cause serious injury.
- Always check that the chisel bit or drill bit is firmly locked in the chuck before you start work.
- Check the chuck for wear or damage at regular intervals.
- Do not start a hammering tool until it is pressed against a workpiece (wall, ceiling, etc.).
- Always unplug the hammer drill when you have finished working and remove the chisel bit or drill bit from the tool.
- Always unplug the machine before changing chisel bits or drill bits etc.
- Protect eyes and assistants from small flying parts and splinters. Wear a helmet! Erect a screen wall!
- Use workgloves to protect fingers from crushing and skin from grazing.
- Vibrations can be harmful to the hand-arm system: Keep the impact time of vibrations to a minimum.
- Always keep the power cable away from where you want to drill.
- Keep the machine out of children's reach.
- Always hold the machine with two hands when it is running and make sure of your footing.
- Make sure that the switch on the machine is set to the correct position for the work you want to perform before you put the machine into operation.
- If the switch is not in the correct position you risk suffering bodily injury when the machine starts to run.

**Do not lose these safety instructions**

"Caution - Read the operating instructions to reduce the risk of inquiry"

**Wear ear-muffs.**
The impact of noise can cause damage to hearing.

**Wear a breathing mask.**
Dust which is injurious to health can be generated when working on wood and other materials.
Never use the device to work on any materials containing asbestos!

**Wear safety goggles.**
Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.

**Important!**
When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual 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, give them these operating instructions as well.
We accept no liability for damage or accidents which arise due to non-observance of these instructions and the safety information.

**Recommendation**
We recommend that the tool always be supplied via residual current device with a rated residual current of 30 mA or less.

# 1. Safety regulations

The corresponding safety information can be found in the enclosed booklet.

**CAUTION!**
**Read all safety regulations and instructions.**
Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.
**Keep all safety regulations and instructions in a safe place for future use.**

# 2. Layout (Fig 1)

1. Dust guard
2. Locking sleeve
3. Rotary switch for rotation stop facility
4. ON/OFF switch
5. Rotary switch for hammer stop facility
6. Additional handle
7. Depth stop
8. Handle

# 3. Proper use

The tool is designed for drilling with hammer action in concrete, rock and brick, as well as for chiseling work, always using the respective correct drill or chisel bit.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

# 4. Technical data

| | |
|---|---|
| Mains voltage: | 230 V ~ 50Hz |
| Power input: | 1500W |
| Idling speed: | 800 rpm |
| Blow rate: | 3,900 bpm |
| Drilling capacity in concrete/ stone (max.): | 32 mm |
| Protection class: | II / ⧈ |
| Weight: | 5.3 kg |

**Sound and vibration**

Sound and vibration values were measured in accordance with EN 60745.

| | |
|---|---|
| $L_{pA}$ sound pressure level | 92 dB(A) |
| $K_{pA}$ uncertainty | 3 dB |
| $L_{WA}$ sound power level | 103 dB(A) |
| $K_{WA}$ uncertainty | 3 dB |

The hammer drill is not designed for outdoors use as specified I Article 3 of Directive 2000/14/EC_2005/88/EC.

**Wear ear-muffs.**
The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 60745.

**Hammer drilling in concrete**
Vibration emission value $a_h$ = 16.885 m/s²
K uncertainty = 1.5 m/s²

**Chiselling**
Vibration emission value $a_h$ = 15.773 m/s²
K uncertainty = 1.5 m/s²

**Important!**
The vibration value changes according to the area of application of the electric tool and may exceed the specified value in exceptional circumstances.

**Keep the noise emissions and vibrations to a minimum.**
- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

# 5. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Always pull the power plug before making adjustments to the equipment.

Check the drilling point for concealed electrical cables, gas and water pipes using a cable/pipe detector.

**5.1 Additional handle (Fig. 2 – Item 6)**
**For safety reasons you must only use the hammer drill with the additional handle.**
The additional handle (6) enables you to achieve better stability whilst using the hammer drill. The machine must not be used without the additional handle (6) for safety reasons. The additional handle (6) is secured to the hammer drill by a clamp. Turning the handle anti-clockwise (looking from the handle) will release the clamp. Turning the handle clockwise will tighten the clamp. First release the additional handle clamp. You can then swing the additional handle (6) into the most comfortable working position for you. Now turn the additional handle in the opposite direction again until the additional handle is secure.

**5.2 Depth stop (Fig. 3 – Item 7)**
The depth stop (7) is held in place with the locking screw (a) on the additional handle (6) by means of a clamp.
- Undo the locking screw (a) and fit the depth stop (7).
- Set the depth stop (7) to the same level as the drill bit.
- Pull the depth stop (7) back by the required drilling depth.
- Retighten the locking screw (a).
- Now drill the hole until the depth stop (7) touches the workpiece.

**5.3. Tool insertion (Fig. 4)**
- Clean the tool before insertion and apply a thin coating of drill bit grease to the shaft of the tool.
- Pull back and hold the locking sleeve (2).
- Insert the dust-free tool into the tool mounting as far as it will go whilst turning it. The tool will lock itself.
- Check that it is properly secure by pulling the tool.

**5.4 Tool removal (Fig. 5)**
Pull back and hold the locking sleeve (2) and remove the tool.

**5.5 Dust collection device (Fig. 6)**
Slide the dust collection device (a) over the drill bit before carrying out any hammer drilling vertically above your head.

## 6. Starting up
**Important. To prevent all danger, the machine must only be held using the two handles (6/8).**

Otherwise there may be a risk of suffering an electric shock if you drill into cables.

**6.1 Switching on and off (Fig. 1)**
To switch on: Press the control switch (4).
To switch off: Release the control switch (4).

**6.2 Hammer stop facility (Fig. 7)**
The hammer drill has a hammer stop facility for gentle initial drilling.
- Turn the rotary switch for the hammer stop facility (5) to position (B) to switch off the hammer facility.
- To switch on the hammer facility again the rotary switch for the hammer stop facility (5) must be turned back to position (A).

**6.3 Rotation stop facility (Fig. 8 / 9)**
The rotation function of the hammer drill can be switched off for chiseling jobs.
- To do this, press the button (C) on the rotary switch (3) whilst at the same time turning the rotary switch (3) into position A (see Fig. 8).
- To switch on the rotation facility again, press button (C) on the rotary switch (3) whilst at the same time turning the rotary switch (3) into position B (see Fig. 9).

**Important.**
Please note that it is not possible to operate the hammer drill with the hammer stop and rotation stop facilities both active at the same time.

**Important.**
Only low pressure is required for hammer drilling. Excessive pressure will exert an unnecessary force on the motor. Check the drill bits at regular intervals. Sharpen or replace blunt drill bits.

## 7. Replacing the power cable
If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its aftersales service or similarly trained personnel to avoid danger.

## 8. Cleaning, maintenance and ordering of spare parts
Always pull out the mains power plug before starting any cleaning work.

**8.1 Cleaning**
- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible.
- Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

**8.2 Carbon brushes**
In case of excessive sparking, have the carbon brushes checked only by a qualified electrician. **Important!** The carbon brushes should not be replaced by anyone but a qualified electrician.

**8.3 Maintenance**
There are no parts inside the equipment which require additional maintenance.

**8.4 Ordering spare parts**
Please quote the following data when ordering replacement parts:
- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required



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