TAURUS TITANIUM

1600W

DEMOLITION BREAKER

INSTRUCTION MANUAL

MODEL NUMBER TT-DH 1600

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

N26704

Demolition Breaker

What your 3 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 3 years 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 TITANIUM® product.

All products brought to you by TAURUS TITANIUM® 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 3 Year Warranty.

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

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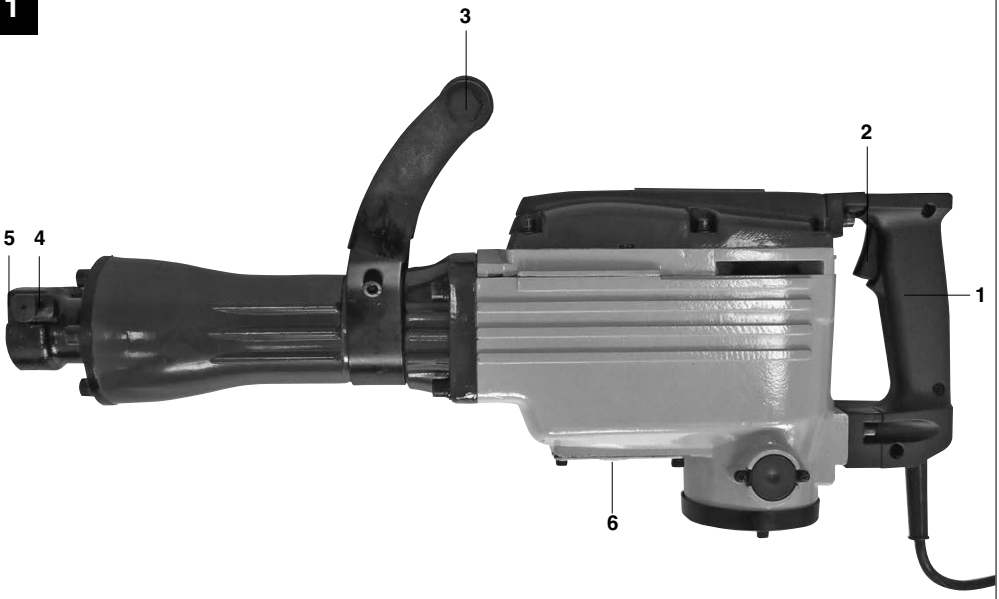

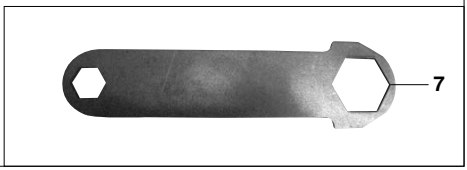

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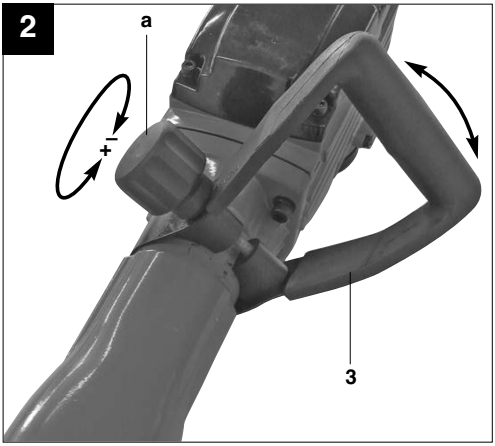

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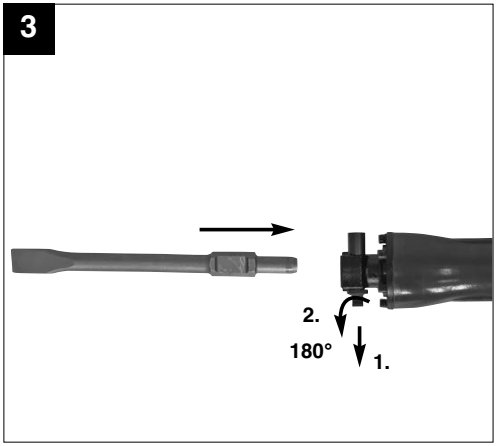

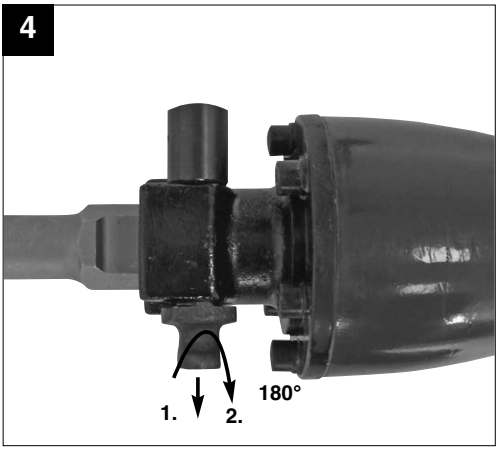
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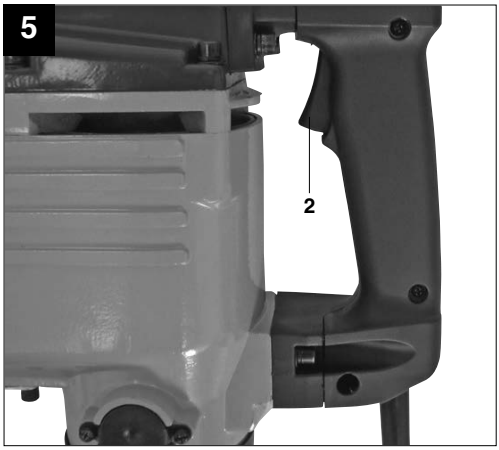
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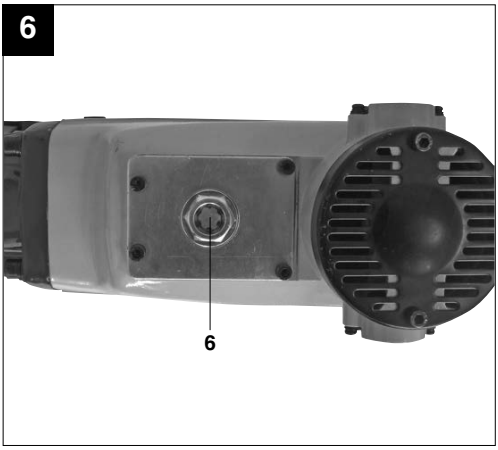
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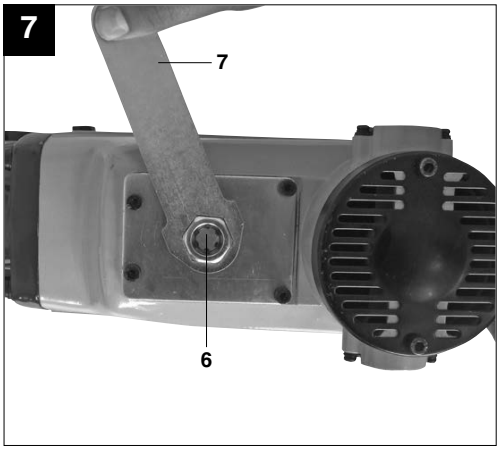
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1. General Safety Rules

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

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.

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.*
f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply**. *Use of an RCD reduces the risk of electric shock.*

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 a 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 care

a. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
b. **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
c. **Disconnect the plug from the power source and/or 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**

a. 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.*

6. Recommendation

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

2. Additional Safety Rules

Safety Information for hammer

1. Wear ear protection. The impact of noise can cause damage to hearing.
2. Use the additional handles supplied with the tool. Losing control of the tool can cause injuries.
3. 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.

Caution
Read the operating instructions to reduce the risk of injury.

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

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

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!

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.

3. Layout

1. Handle
2. ON/OFF switch
3. Additionalhandle
4. Lockingbolt
5. Toolchuck
6. Inspection window / Oil filler opening
7. Wrench

4. Proper Use

This machine is designed for heavy duty demolition and chiseling work using the appropriate chisel.

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.

5. Technical data

Mains voltage	230 V ~ 50 Hz.
Power input	1600 W
Blow rate	1500 min^{-1}
Protection class	II/ ⧈
Weight	14.7 kg

Sound and vibration

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

L_{pA} sound pressure level	86 dB(A)
K_{pA} uncertainty	3 dB
L_{WA} sound power level	104 dB(A)
K_{WA} uncertainty	1.54 dB

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.

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

Chiseling
Vibration emission value ah = 18.6 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

6. 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.

6.1 Additional handle (Fig. 2 / Item 3)
For safety reasons you must only use the demolition hammer with the additional handle. The additional handle (3) enables you to achieve better stability whilst using the demolition hammer. The additional handle (3) can be turned into any required position. Undo the screw (a) by turning it in the “+” direction. Now turn the additional handle (3) into the most comfortable working position for yourself and then tighten the screw (a) again by turning it in the “-” direction.

6.2 Inserting the accessory (Fig. 3-4)
- Clean the accessory before fitting it and apply a thin coating of grease to the accessory shaft.
- Pull out the locking bolt (4) as far as possible, turn it through 180° and release it.
- Insert the accessory into the tool mounting (5) and push it in as far as possible. (see Fig. 3)
- Pull out the locking bolt (4) again, turn it through 180° in the opposite direction and release it.
- Check the lock by pulling the accessory.

6.3 Removing the accessory
To remove the accessory, proceed in reverse order.

7. Starting up

⚠ **Important!**
To avoid danger, the machine must only be held using the two handles (1/3). Otherwise you may suffer an electric shock if you chisel into cables.

7.1 Switching on and off (Fig. 5)
To switch on:
Press the control switch (2).
To switch off:
Release the control switch (2).

7.2 Practical tips

7.2.1 Sharpening chisel accessorys
You will only achieve good results if you use sharp chisels. You should therefore sharpen the chisels promptly to ensure that they produce good results and provide a long service life.

⚠ **Important!**
You only require slight contact pressure for chiseling. Excessive contact pressure will place an unnecessary strain on the motor. Check the chisels at regular intervals. Sharpen or replace blunt chisels

8. Replacing the power cable

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after- sales service or similarly trained personnel to avoid danger.

9. Cleaning, maintenance and ordering of spare parts

Always pull out the mains power plug before starting any cleaning work.

9.1 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.

9.2 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.

9.3 Servicing

9.3.1 Check the oil level (Fig. 6)

Check the oil level before using the machine.
Place the machine on the floor with the tool mounting pointing downwards. The oil must be at least 3 mm above the bottom edge of the inspection window (6).
Changing the oil: The oil should be changed after around 40-50 hours of use.
Recommended oil: 25ml SAE 15W/40 or an alternative of the same quality.

9.3.2 Oil change (Fig. 7)

Switch off the machine and pull the mains plug out of the socket.

Undo the hexagonal head screw with the inspection window (6) using the wrench (7) and drain the oil. To prevent the oil from running out in an uncontrolled manner, hold a small metal chute under the opening and collect the oil in a vessel until it has fully drained out of the machine.

⚠ **Important: The waste oil must be disposed of in the appropriate collection point for waste oil.**
Add new oil (approx. 25 ml) through the oil filler opening (6) until the oil level reaches the required level. Tighten the hexagonal screw again.
Re-check the oil level after a short period of operation.

9.4 Ordering Spare Parts

Contact our After Sales Support on 1300 922 271 and quote the following data when ordering spare parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

10. Disposal and recycling

The unit is supplied in packaging to prevent its being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system.

The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste.

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