

WORKZONE®



1500W ROTARY HAMMER DRILL

DRILL BITS AND CHISELS INCLUDED

AFTER SALES SUPPORT

☎ 00800 34996753 (free phone)

🌐 www.meister-werkzeuge.de

MODEL: WPBH 1500 · 09/2013 · №. 5904123/GB · 90763

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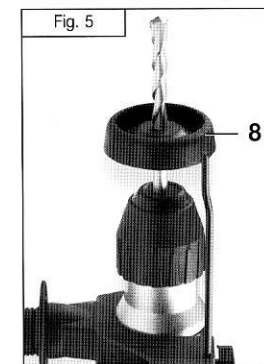
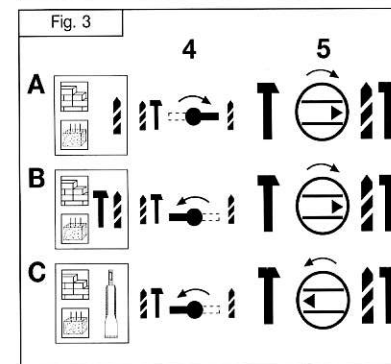
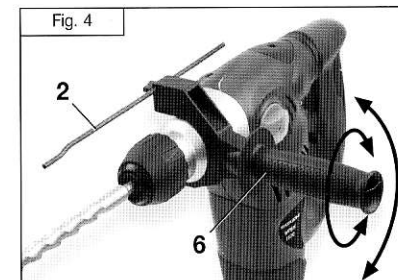
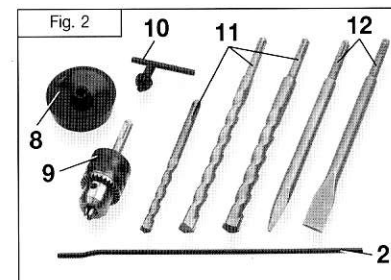
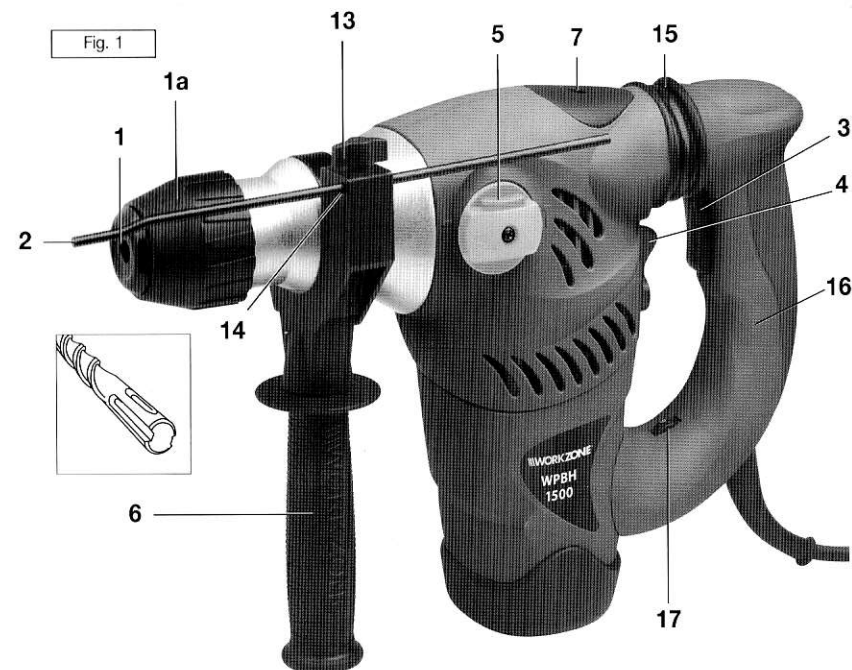


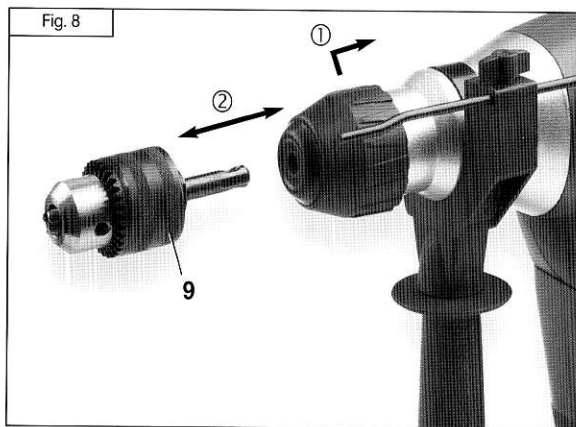
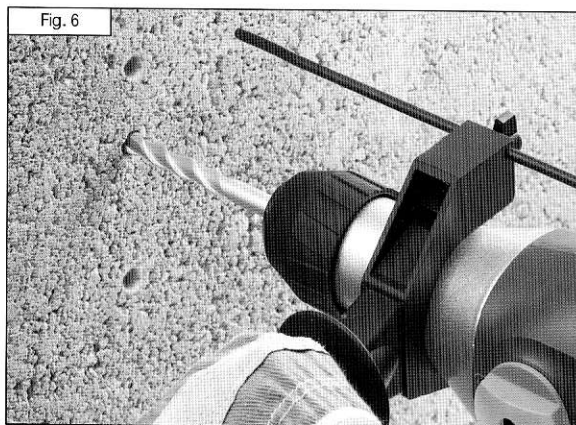
Operating instructions & safety hints



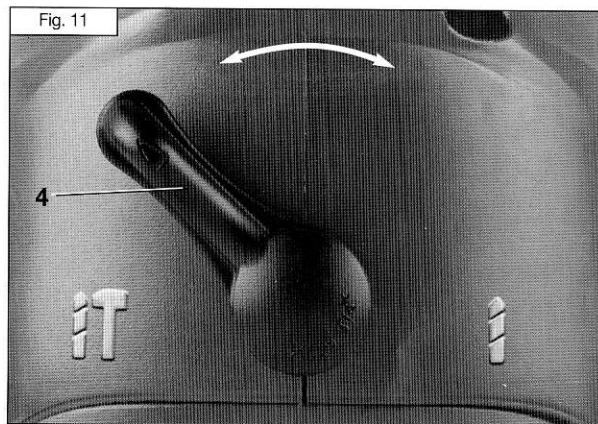
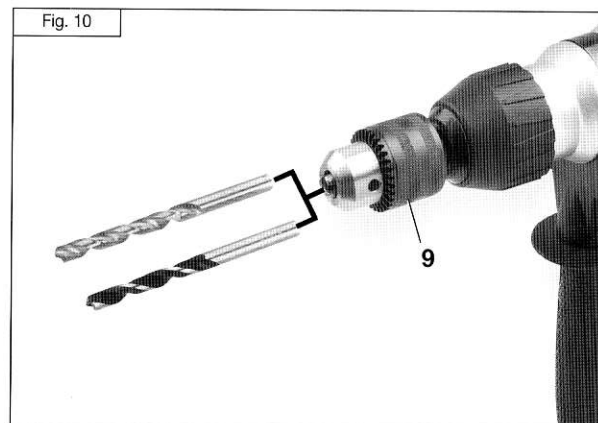
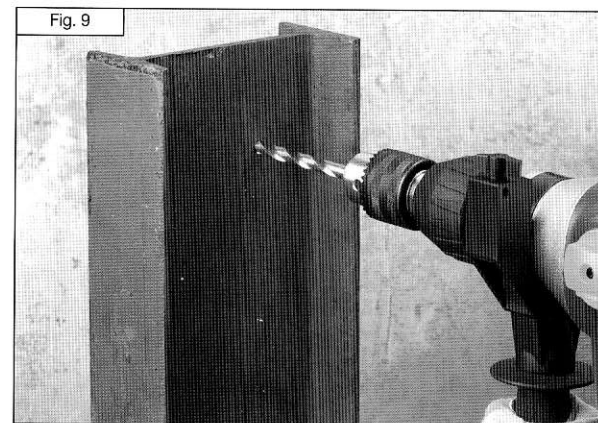
WARNING! To reduce the risk of injury, please read the operating instructions through carefully before using the device, and then store with the machine! When passing the device on to another user, these operating instructions must also be included!

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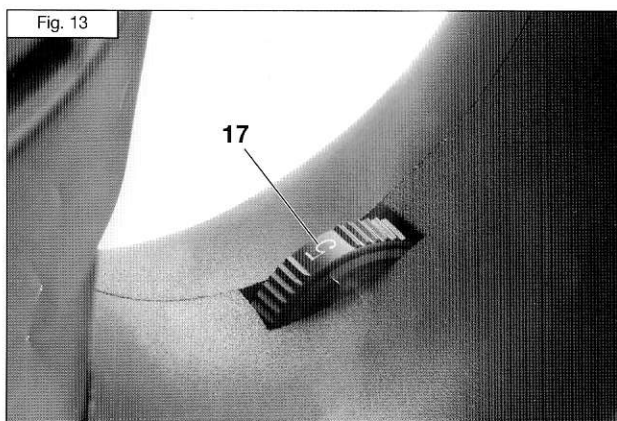
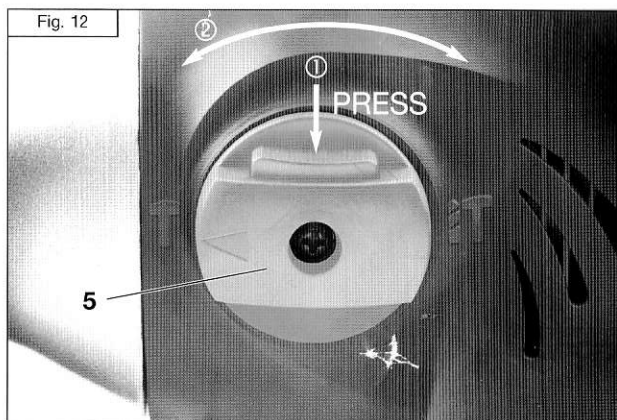




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Scope of delivery

01

- 1 Rotary hammer drill
- 1 Depth stop
- 1 Additional handle
- 1 Dust collector
- 1 Conventional drill chuck with adapter
- 1 Chuck key
- 1 Flat chisel
- 1 Point chisel
- 3 Hammer drill bits 12/16/18mm
- Transportation and storage case
- Operating instructions
- Guarantee certificate

Technical information

02

Technical data

Power supply	230V-/50Hz
Nominal consumption	1500W
Speed	$n_0 = 0-850\text{min}^{-1}$
Number of blows (without load)	$0-3900\text{min}^{-1}/4.0\text{J}$
Maximum drill diameter	
- in wood	40mm
- in cement/stone/granite	32mm
- in steel	13mm
Weight	5,6kg
Cable	300cm

We reserve the right to make technical changes.



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Noise emissions/Vibrations

L_{pA} : 93,0dB(A), L_{WA} : 104,0dB(A).

Measuring inaccuracy: K_{pA} : 3,0dB(A), K_{WA} : 3,0dB(A).

Hand/arm vibrations a_w : 20m/s².

Measuring inaccuracy K: 3,0m/s²

Noise/vibration information

Measured values determined in accordance with
EN 60745-1:2009+A11:2010, EN 60745-2-6:2010.

- The specified vibration emission value was measured in accordance with a standardised test procedure and can be used in order to compare one electrical tool with another.
- The specified vibration emission value can also be used for an introductory evaluation of the exposure.
- The vibration emission value may fluctuate from the specified value during actual use of the power tool. These fluctuations will depend on the way in which the power tool is used.

In order to prevent the risks of vibrations,

- wear gloves when operating the tool;
- limit working times and shorten the actual operating times.

Safety measures must be taken in order to protect the operator. As a result, the evaluation of the influence must be made whilst taking account of the actual conditions of use. (All parts of the operating cycle must be taken into account for this purpose. This also includes times in which the power tool is switched off and times in which it is switched on, but is running without load.)

⚠ CAUTION! A certain amount of noise is unavoidable when using this device. Ensure you carry out noise-intensive work during permitted times. Maintain the quiet periods and limit your work to the absolute minimum.

⚠ CAUTION! The effects of noise may cause damage to the hearing. Only ever work with suitable ear defenders. Anybody else in the vicinity should thus also wear ear defenders.

Components (Fig. 1/2)

03

- 1 Tool receiving socket
- 1a Holding bush
- 2 Depth stop
- 3 On/Off switch
- 4 On/Off switch for hammer action
- 5 Selection knob for hammer drilling/chasing
- 6 Additional handle
- 7 Gear oil filler opening
- 8 Dust collector
- 9 Conventional drill chuck with adapter
- 10 Chuck key
- 11 Hammer drill bit
- 12 Chase bit
- 13 Wing screw
- 14 Clamp opening
- 15 Vibration damper
- 16 Handle
- 17 Speed preselection

This rotary hammer drill is suitable for drilling and hammer-drilling concrete, stone, masonry and light chiselling work around the house. Use only suitable accessories (note manufacturer's instructions). All other applications are expressly excluded. Chuck designed for SDS+ system tools

This unit may not be used by people (including children) with reduced physical, sensory or mental capacities, with a lack of experience and without the appropriate knowledge, unless they are supervised by someone who is responsible for their safety or have been instructed by such a person with regard to how the unit is to be operated. Children should be supervised to ensure that they do not play with the device.

The machine is intended only for use in the household.

Improper use of the product

All applications carried out with the device that are not listed in the "Proper use" chapter will be considered improper use.

Uses for which the tool is not designed may cause risks and injury. Do not use accessories that are not intended specifically for this electrical tool.

Just because you can affix an accessory to your electrical tool, there is no guarantee it is safe to use.

The permitted revolutions of the tool insert must be at least as high as the highest value specified on the electrical tool. Accessories that turn faster than is permitted may break and fly off.

There is a risk of injury. The user of the device is liable for all property and personal damages occurring as the result of incorrect use.

If other components or non-original components are used with the machine, the manufacturer guarantee is voided.

Remaining risks:

The operating instructions for this electrical tool contains comprehensive tips for the safe handling of electrical tools. However, every electrical tool has a certain level of remaining risks which cannot be excluded by the protective mechanisms on the device. Only operate electrical tools always with necessary care.

Remaining risks may be, for example:

- Touching rotating parts or tools.
- Injury caused by flying tools or tool parts.
- Risk of fire with insufficient ventilation of the motor.
- Adverse effects on the hearing caused by working without ear defenders.

The ability to work safely is dependant on the familiarity of the operator when it comes to handling the given electrical tool. Appropriate knowledge of the machinery and careful behaviour when working help to minimise the remaining risks.

⚠ WARNING! During operation, this power tool generates an electromagnetic field. This field may, under certain circumstances, influence active or passive medical implants. In order to reduce the risk of serious or deadly injuries, we recommend persons with such a medical implant to consult their doctor and the manufacturer of the medical implant before using the power tool.

05 General safety instructions for handling power tools

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) 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.
- f **If it is not possible to avoid using the electrical tool in a damp environment, use a residual current circuit-breaker.** The use of a residual current circuit-breaker reduces the risk of an electrical 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 personal protective equipment. Always wear eye protection.** Protective equipment such as dust masks, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising 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 **Keep handles dry, clean and free from oil and grease.** Slippery handles do not allow for safe handling and control of the tool in unexpected situations.
- h **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 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 tool's 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, 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.
- b To avoid hazards, damaged power leads must be replaced by the manufacturer or his customer service representative.

Safety notes for hammering

- a **Wear ear defenders.** The effects of noise may lead to loss of hearing.
- b **Use the additional handles supplied with the unit.** Loss of control may lead to injuries.
- c **Hold the tool by the insulated handle surfaces when carrying out tasks during which is it possible that the tool will come across hidden power cables or its own cable.** Contact with a power-carrying cable may also put metal parts of the unit under power and cause an electric shock.

Special safety notes

- a Before you start check to ensure that the power supply voltage matches the specification on the type plate of the tool.
- b Never use the power tool as a screwdriver with hammer action. The tightening and loosening of screws, nuts etc. is not permitted when using the hammer action.

- c If necessary, only use extension cords that are appropriate for the electrical power of the device. When using outside, only use suitable cables with splash-proof sockets.
- d Before making any settings, changing a tool, cleaning or maintaining the tool or when leaving it unattended, always pull the plug out of the power socket.
- e Check the area you intend working on for concealed power lines, water and gas pipes before you start work. If necessary, use a cable finding tool.
- f When working, hold the power tool firmly with both hands and ensure you have a stable footing.
- g Secure the work piece to a stable surface with a suitable clamping mechanism. This is safer than holding it with your hands.
- h Immediately switch off the power tool when the inserted tool becomes blocked. A blocked tool may cause kickback.
- i After switching it off, wait until the power tool has come to a standstill before you put it down.

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Device-specific safety information

- The tool may only be used for the intended purpose.
- Only actuate the gear switch when the motor is at a standstill. Switching with the tool running may cause damage to the gears.
- Never touch the exterior housing immediately after drilling. It becomes very hot when drilling.
- Shavings or splinters should never be removed with the tool running.
- Small work pieces must be secured in such a way that the drill does not move them during drilling.

- Always keep the power cable away from the area you are working in.
- Only connect the tool to the power supply when it is switched off.
- Persons under 16 may not operate the tool.
- Chase and drill bits may be thrown out of the tool and cause serious injuries.
- Before starting work, ensure that chase and drill bits are locked in the tool holder.
- Check the tool holder regularly for signs of wear or damage.
- A hammer action tool should only be started when it is pressed up against a work piece (wall, ceiling etc.).
- When you have finished working, remove from the power supply and take the chase or drill bit out of the tool.
- Protect your eyes and those of any persons in the area from flying objects and splintering foreign bodies. Wear a safety helmet! Set up separating walls!
- Work gloves will protect your fingers from crushing and grazes.
- Protect your breathing apparatus from dangerous dust generated by drilling. Wear a dust protection mask.
- Vibrations may cause damage to hands and arms: keep the time exposed to vibrations as low as possible.
- Make sure that power cables always lead away from the rear of the device.
- Store the tool in such a way that it cannot be accessed by children.
- Prior to processing materials, ensure that the tool is set to the correct switch position for the work you wish to carry out. Otherwise you may be at risk of injury when the tool starts up.
- Avoid allowing the motor to come to a standstill under load when drilling or screwing screws.

Safety marks on the type plate

The symbols on the housing have the following meanings:



Do not dispose of with the household waste!



Important! Observe the operating instructions!



Wear goggles.



Wear ear defenders.



Wear a dust protection mask.



Housing is double insulated.



Voluntary "geprüfte Sicherheit" seal of quality (tested safety)



CE mark (conformity with European safety standards)

Installation and setting

07

Inserting a tool



CAUTION! Unplug from the power source.

The tool holder is suitable for tools that use the SDS-plus system.



Point the tool holder (1) upwards. Insert a lightly oiled tool shaft and turn to the locking point. Push holder sleeve (1a) down as far as it will go:

the tool will slide into the accommodation shaft. Release the holder sleeve - it must return to the starting position.

Removing the tool

Push the holder sleeve (1a) back and remove the tool.

Setting the additional handle (6) (Fig. 4)

Loosen the additional handle by turning to the left, via the tool holder to the position shown in Figure 1 and set a comfortable side working position by sliding about the drilling axis. Turn the additional handle to the right to secure.

Mounting and setting the depth stop (2) (Fig. 1)

Loosen the wing screw (13) on the additional handle (6) until the depth stop (2) can be moved into the clamping opening (14). Pull the depth stop to the tip of the inserted drill bit. Push the tool with the drill bit and the depth stop up against a flat surface and slide the depth stop back to the required drilling depth (Fig. 5). Fix the setting by tightening the winged screw (13). The front of the depth stop will touch the relevant surface when the set drilling depth is reached. You may wish to make a test hole.

Switching on and off

CAUTION! The voltage of the power supply must correspond to the specifications on the type plate of the machine.

- Switching on: Press the On/Off switch (3). The drill immediately starts to operate with the revolutions set using the wheel (17).
- Switching off: Release the On/Off switch (3).



Vibration damper (15)

The power tool has a mechanism for reducing the vibrations at the handle (16) (Fig. 1).

Meanings of the symbols
drill, hammer drill, chase

Drilling without hammer action (Fig. 11) into wood and metal. For this mode, a conventional drill chuck (9) with adapter (supplied) is inserted into the tool holder (1).

Hammer drilling in cement and brickwork (Fig. 11, 12) without additional conventional drill chuck. To do this, suitable hammer drills (11) are inserted into the tool holder (1).

Chiseling in tiles and brickwork (Fig. 12). To do this, suitable chisels (12) are inserted into the tool holder (1). The rotating function of the machine is deactivated in this mode.

Select a suitable switching combination of hammer switch (4) and selection switch (5) in accordance with Figure 3. Make the setting with the tool at a standstill.

- A: Spot drilling without hammer action, e.g. into plaster, aerated concrete, metal; Drilling with conventional drill bits connected using the conventional drill chuck (9) with adapter for accommodating tools in accordance with the SDS-plus system (Fig. 8) + (Fig. 9).
- B: Hammer drilling into cement, stonework and brickwork (Fig. 6)
- C: Chiseling without rotation function in brickwork or for removing tiles (Fig. 7).

CAUTION! Never operate the tool with the rotation function active and a chase bit inserted!

The required hammer action for hammer drilling in stone is generated by a pneumatic hammer. This electro pneumatic principle creates a high blow elasticity and ensures backlash free operation. Unlike other types of hammer drill, the drilling performance is not dependant on the pressure.

CAUTION! A greater pressure, thus, does not increase the performance!

Working with conventional drill bits

The supplied conventional chuck (9) with adapter for accommodating tools in accordance with the SDS-plus system (Figure 8) enables you to use conventional drill bits (Figure 10). The tensioning of the drill bit is carried out using the chuck key (10). Observe the appropriate manufacturer's specifications for the relevant tool! To drill, deactivate the hammer action.

Working above your head

When carrying out work above your head, fit the dust collector (8) to the drill in accordance with Figure 5.

Speed preselection (Fig. 13)



In order to protect the materials you are working on, use the speed recommendations made by the accessory manufacturer. Set the speed using the wheel for speed preselection (17):

- Turn the wheel (17) to position 6 = Highest speed possible
- Turn the wheel (17) to position 1 = Lowest speed possible

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Maintenance and environmental protection

⚠ CAUTION! Unplug from the power source.

Use only a damp cloth to clean the power tool housing. Do not use solvents! Then dry off carefully! Always keep the power tool air vents clean and free of obstructions. Ensure that the gear system is adequately lubricated. After approx. 5 hours operating time unscrew the sealing cap (7) with the flange key (9) and check whether sufficient grease can be seen.

⚠ CAUTION! Electrical and battery operated units that no longer work should not be disposed of in the household waste! They are to be collected separately, in accordance with the 2002/96 EC directive for the disposal of electrical and electronic waste, and sent for proper and environmentally-friendly recycling.



Please discard power tools no longer usable at a local collection point. Collection and disposal of packaging materials separately by types complying with local rules and regulations. For details, please contact your municipal authority concerned.

11

Service instructions

⚠ CAUTION! When starting up this piece of equipment, a brief interruption in voltage may occur, particularly when the power supply quality is not good. These interruptions may affect other items (e.g. cause a light to flicker). With a power supply impedance of $Z_{\max} < 0.40 \text{ OHM}$, interruptions are not to be expected. (Please contact your local power supply provider for more information).

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

WORKZONE devices are to a large extent maintenance free, a damp cloth being sufficient to clean the casing. Do not drop electrical machines in water. Please note additional hints given in the operating instructions.

WORKZONE devices are subject to stringent quality control. If however a functional fault should occur, send the device to our servicing address. The repairs will be carried out in a short time.

A brief description of the defect speeds up the fault tracing and repair time. If within the guarantee period, please enclose the guarantee document and the proof of purchase.

In so far as a repair under guarantee is not concerned, we will charge the repair costs to your account.

⚠ PLEASE NOTE! Opening of the device invalidates the guarantee claim.

⚠ IMPORTANT! In accordance with Product Liability law, we do not take responsibility for damage caused by our appliance, where the damage is caused by the appliance having been altered or repaired by anyone other than Meister Werkzeuge GmbH or an authorised representative. The same applies where damage occurs as a result of incorrect parts being used with the appliance.

Pack the device well or use the original packaging in order to avoid transit damage.

Even after the expiry of the guarantee period, we would like to help you and carry out any repairs at a favourable price.

Your statutory rights are not affected.

