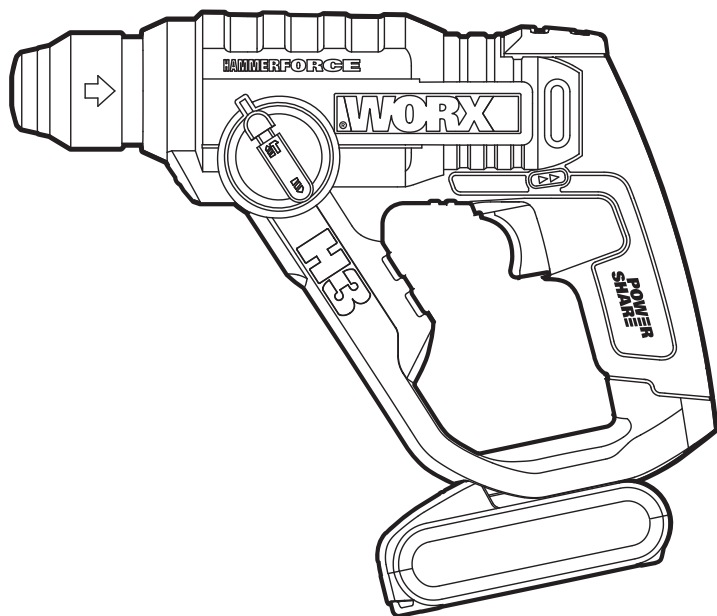


# WORX®



## H3

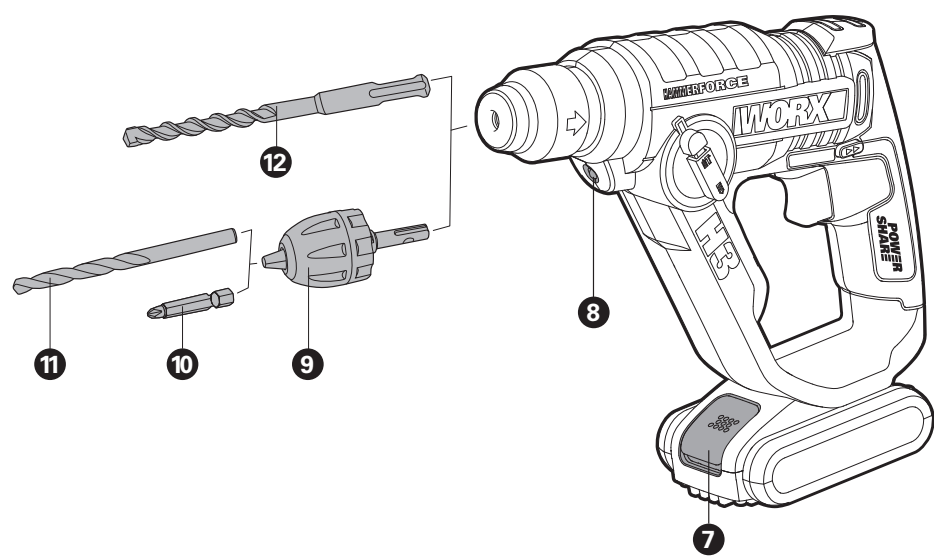
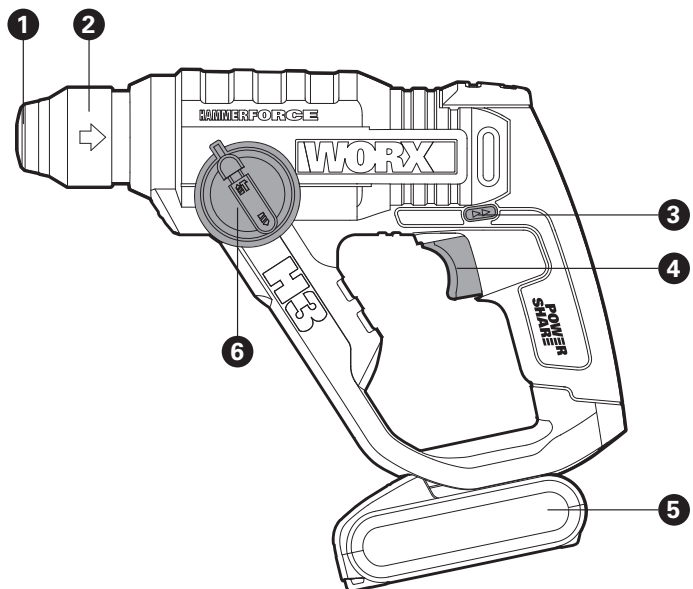


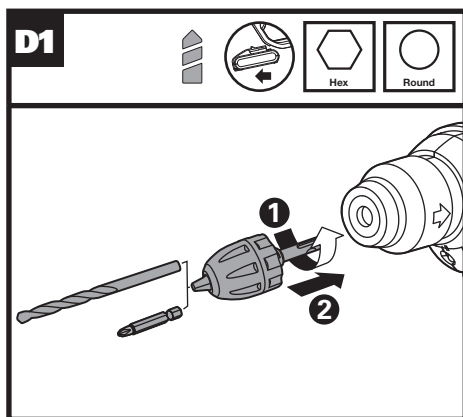
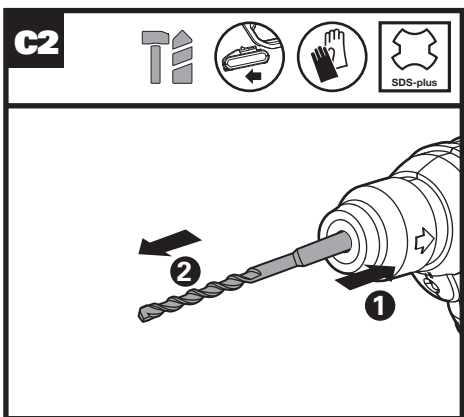
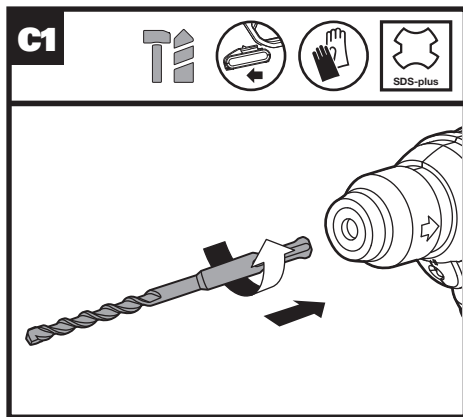
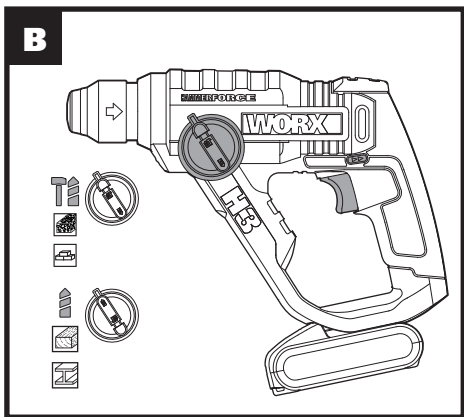
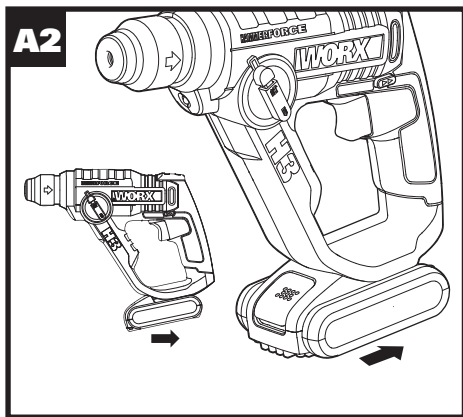
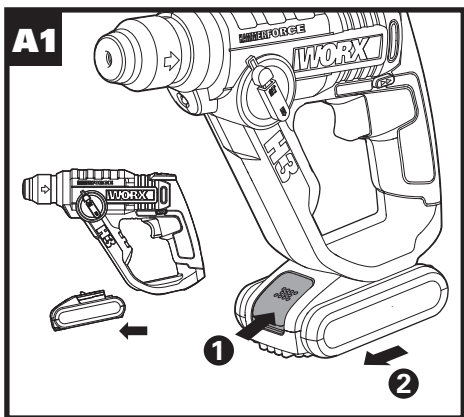
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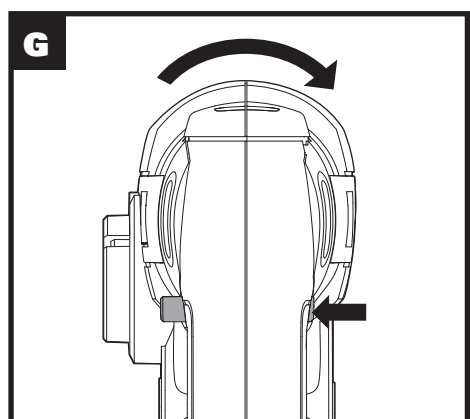
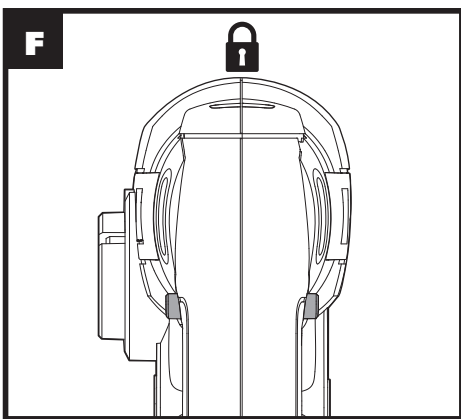
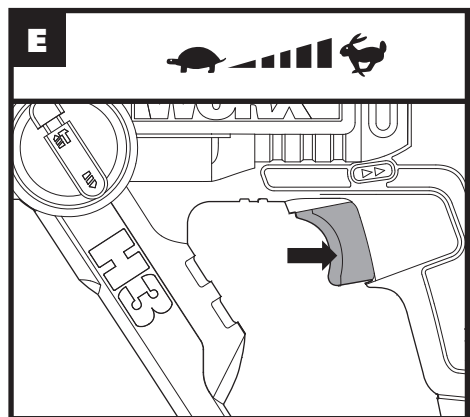
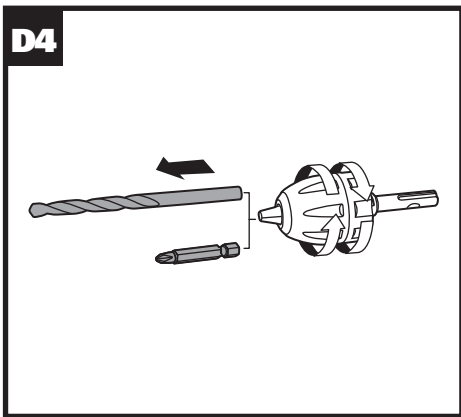
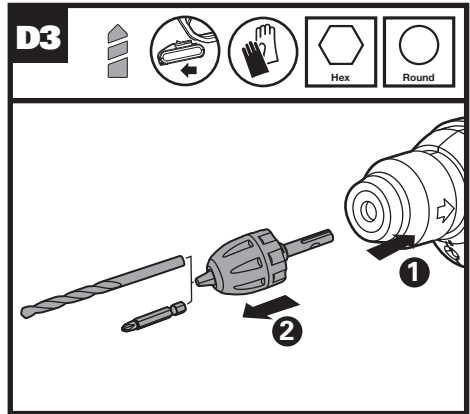
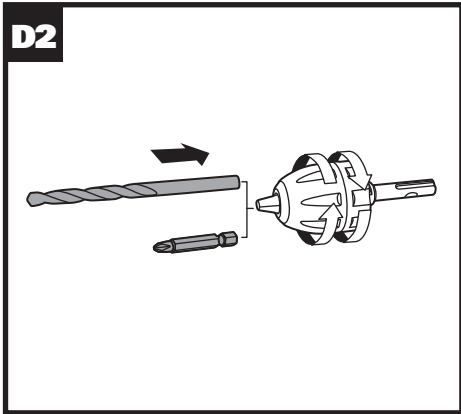
**Cordless Rotary Hammer**

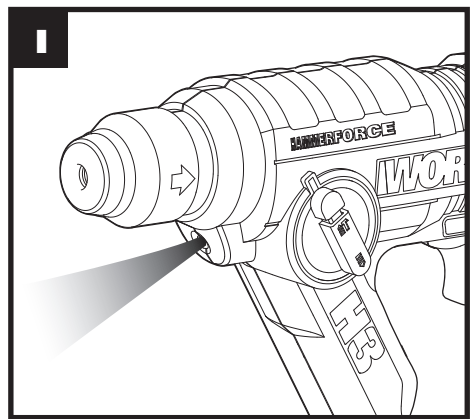
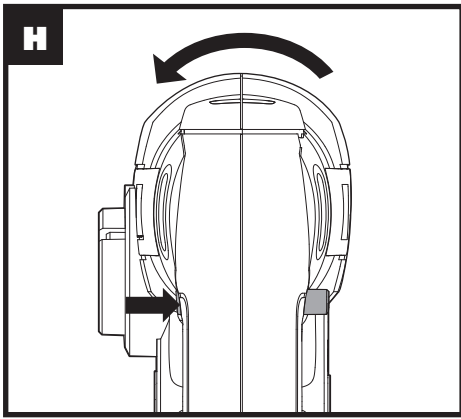
**WX390 WX390.X**











# GENERAL POWER TOOL SAFETY WARNINGS



**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 SAFETY

- a) **Keep work area clean and well lit.** Cluttered or 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 personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, 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) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection 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 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. BATTERY TOOL USE AND CARE

- a) Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) When battery pack is not in use, keep it away from other metal objects, like paper**

**clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.**

Shorting the battery terminals together may cause burns or a fire.

- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

## 6. 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.

## HAMMER SAFETY WARNINGS

- 1. Wear ear protectors.** Exposure to noise can cause hearing loss.
- 2. Use auxiliary handles, if supplied with the tool.** Loss of control can cause personal injury.
- 3. Hold power tools by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a 'live' wire may make exposed metal parts of the power tool 'live' and could give the operator an electric shock.

## SAFETY WARNINGS FOR BATTERY PACK













- a) Do not dismantle, open or shred cells a) Do not dismantle, open or shred cells or battery pack.**
- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- c) Do not expose battery pack to heat or fire.**


















**Avoid storage in direct sunlight.**

- d) Do not subject battery pack to mechanical shock.**
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) Keep battery pack clean and dry.**
- g) Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- i) Do not maintain battery pack on charge when not in use.**
- j) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- k) Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.**
- l) Do not use any battery pack which is not designed for use with the equipment.**
- m) Keep battery pack out of the reach of children.**
- n) Retain the original product literature for future reference.**
- o) Remove the battery from the equipment when not in use.**
- p) Dispose of properly.**
- q) Do not mix cells of different manufacture, capacity, size or type within a device.**
- r) Keep the battery away from microwaves and high pressure.**

## SYMBOLS

|   |   |
|---|---|
|    | To reduce the risk of injury, user must read instruction manual   |
|    | Warning   |
|    | Wear ear protection   |
|    | Wear eye protection   |
|    | Wear dust mask  |
|    | Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.  |
|    | Do not burn   |
|    | Li-Ion battery This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances. |
|    |   |
|  |   |
|  | Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.  |
|  |   |

|   |   |
|---|---|
|     | Wear protective gloves  |
|    | Wood  |
|    | Steel   |
|    | Concrete  |
|    | Brickwork   |
|    | High speed  |
|    | Low speed   |
|    | Tool holder   |
|    |   |
|    |   |
|   | Make sure the battery is removed prior to changing accessories. |
|  | Drilling without impact   |
|  | Hammer Drilling   |
|  | Screwdriving  |

|  |  |
|--|--|
|  | RCM marking  |
|  | <b>ABN:</b> Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website <a href="http://abr.business.gov.au">http://abr.business.gov.au</a> .<br>ABN of Positec Australia Pty Limited is 14 101 682 357 |


## COMPONENT LIST

1. DUST PROTECTION CAP
2. TOOL HOLDER LOCKING SLEEVE
3. FORWARD AND REVERSE ROTATION CONTROL
4. ON/OFF SWITCH
5. BATTERY PACK\*
6. HAMMER DRILL /DRILL SELECTOR DIAL
7. BATTERY PACK RELEASE CLIP
8. LED LIGHT
9. SDS KEYLESS CHUCK ADAPTOR\*
10. PH2 SCREWDRIVER BIT\*
11. HSS METAL DRILL BIT (5mm,6mm)\*
12. SDS PLUS DRILL BITS (6mm,8mm)\*

\* Not all the accessories illustrated or described are included in standard delivery.

## TECHNICAL DATA

Type **WX390 WX390.X(3-** designation of machinery, representative of Hammer Drill)

|               | <b>WX390<br/>WX390.X **</b>  |
|---------------|--|
| Voltage       | 20V  Max*** |
| No load speed | 0-900/min  |
| Impact rate   | 0-5000bpm  |

|                            |           |       |
|----------------------------|-----------|-------|
| Impact energy              |           | 1.2J  |
| Max. drilling capacity     | Steel     | 10mm  |
|                            | Wood      | 13mm  |
|                            | Concrete  | 13mm  |
|                            | Brickwork | 13mm  |
| Machine weight (bare tool) |           | 1.2kg |

\*\*X=1-999, A-Z, M1-M9 there are only used for different customers, there are no safe relevant changes between these models.

\*\*\*Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts. Nominal voltage is 18 volts.

## SUGGESTED BATTERIES AND CHARGERS

| Category    | Model    | Capacity |
|-------------|----------|----------|
| 20V Battery | WA3530.1 | 3.0Ah    |
|             | WA3550   | 1.5 Ah   |
|             | WA3550.1 | 1.5 Ah   |
|             | WA3551   | 2.0 Ah   |
|             | WA3551.1 | 2.0 Ah   |
|             | WA3553   | 4.0 Ah   |
|             | WA3556   | 5.0Ah    |
|             | WA3561   | 2.0Ah    |
|             | WA3572   | 2.5Ah    |
| 20V Charger | WA3760   | 0.4 A    |
|             | WA3869   | 2.0 A    |
|             | WA3880   | 2.0 A    |


We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

## NOISE INFORMATION

|                           |                    |
|---------------------------|--------------------|
| A weighted sound pressure | $L_{PA}$ : 84dB(A) |
|---------------------------|--------------------|

|                        |                    |
|------------------------|--------------------|
| A weighted sound power | $L_{WA}$ : 95dB(A) |
|------------------------|--------------------|

|                     |          |
|---------------------|----------|
| $K_{PA}$ & $K_{WA}$ | 3.0dB(A) |
|---------------------|----------|


|   |  |
|---|--|
| Wear ear protection when sound pressure is over | 80dB(A)  |
|---|--|

## VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:

|                               |  |
|-------------------------------|--|
| Hammer drilling into concrete | Vibration emission value<br>$a_{h,HD} = 8.51m/s^2$ |
|                               | Uncertainty $K = 1.5m/s^2$                         |

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

 **WARNING:** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.


The tool being in good condition and well maintained.

The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and if any anti vibration accessories are used.

And the tool is being used as intended by its design and these instructions.


**This tool may cause hand-arm vibration syndrome if its use is not adequately managed.**

 **WARNING:** To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimize your vibration exposure risk. ALWAYS use sharp chisels, drills and blades. Maintain this tool in accordance with these

instructions and keep well lubricated (where appropriate).  
 If the tool is to be used regularly then invest in anti vibration accessories.  
 Avoid using tools in temperatures of 10°C or less.  
 Plan your work schedule to spread any high vibration tool use across a number of days.

## OPERATING INSTRUCTIONS

 **NOTE:** Before using the tool, read the instruction book carefully.

### INTENDED USE

The machine is intended for hammer drilling in concrete, brick and stone. It is also suitable for drilling without impact in wood, metal, ceramic and plastic. Machines with electronic control and right/left rotation are also suitable for screwdriving.

## OPERATION

| ACTION  | FIGURE      |
|---|-------------|
| Removing The Battery  | See Fig. A1 |
| Inserting The Battery   | See Fig. A2 |
| Selecting The Operating Mode  | See Fig. B  |
| <b>HAMMER DRILLING</b>  |             |
| Inserting Drill Bits  | See Fig. C1 |
| Removing Drill Bits   | See Fig. C2 |
| <b>DRILLING &amp; SCREWDRIVING</b>  |             |
| Inserting Adaptors  | See Fig. D1 |
| Inserting Bits into Chuck   | See Fig. D2 |
| Removing Adaptors   | See Fig. D3 |
| Removing Bits from Chuck  | See Fig. D4 |
| On/Off Switch   | See Fig. E  |
| Switch Lock<br><b>NOTE:</b> The Switch Trigger Can Be Locked In The Off Position. | See Fig. F  |
| Forward Rotation Control  | See Fig. G  |
| Reverse Rotation Control  | See Fig. H  |
| LED Light   | See Fig. I  |

|   |   |
|---|---|
| Temperature Dependent Overload Protection | / |
| Protection Against Deep Discharging       | / |

## WORKING HINTS FOR YOUR TOOL

If your power tool becomes over heated, set the speed to maximum and run no load for 2-3 minutes to cool the motor. SDS-plus tungsten carbide drill bits should always be used for concrete and masonry.

When drilling in metal, only use HSS drill bits in good condition. Where possible use a pilot hole before drilling a large diameter hole.

## PROBLEM SOLUTION

### 1. REASONS FOR DIFFERENT BATTERY PACK WORKING TIMES



Charging time problems, having not used a battery pack for a prolonged time will reduce the battery pack working time. This can be corrected after several charge and discharge operations by charging & working with your tool. Heavy working conditions such as large screws into hard wood will use up the battery pack energy faster than lighter working conditions. Do not re-charge your battery pack below 0°C and above 30°C as this will affect performance.

## MAINTENANCE

**Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance.**

Your power tool requires no additional lubrication or maintenance, except for the cleaning & lubrication of the SDS bits and adaptors before inserting into the chuck. There are no user serviceable parts in your power tool. 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. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

## ENVIRONMENTAL PROTECTION

 Waste electrical products must not be disposed of with household waste. Please  recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

**Positec Australia Pty Limited**  
10 Corporate Blvd Bayswater , VIC 3153, Australia

## DECLARATION OF CONFORMITY

We,  
Positec Germany GmbH  
Postfach 32 02 16, 50796 Cologne, Germany

Declare that the product,  
Description **Worx Cordless Rotary Hammer**  
Type **WX390 WX390.X (3- designation of machinery, representative of Hammer Drill)**  
Function **Hammering various materials**

Complies with the following directives,  
**2006/42/EC**  
**2011/65/EU&(EU)2015/863**  
**2014/30/EU**

Standards conform to  
**EN 55014-1**  
**EN 55014-2**  
**EN 60745-1**  
**EN 60745-2-6**

The person authorized to compile the technical file,

**Name Marcel Filz**  
**Address Positec Germany GmbH**  
**Postfach 32 02 16, 50796 Cologne, Germany**

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2022/01/12  
Allen Ding  
Deputy Chief Engineer, Testing & Certification  
Positec Technology (China) Co., Ltd  
18, Dongwang Road, Suzhou Industrial  
Park, Jiangsu 215123, P. R. China

# DECLARATION OF CONFORMITY

We,  
Positec (UK & Ireland) Ltd.,  
PO Box 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product  
Description **Battery-operated Hammer**  
Type **WX390 WX390.X (3- designation of machinery, representative of Hammer Drill)**  
Function **Hammering various materials**

Complies with the following directives,  
**Supply of Machinery (Safety) Regulations 2008**  
**Electromagnetic Compatibility Regulations 2016**  
**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations**

Standards conform to  
**BS EN 60745-1, BS EN 60745-2-6, BS EN 55014-1, BS EN 55014-2**

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The person authorized to compile the technical file,

**Name Jim Kirkwood**  
**Address Positec (UK & Ireland) Ltd.,**  
**PO Box 6242, Newbury, RG14 9LT, UK**



2022/01/12  
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Park, Jiangsu 215123, P. R. China





#### **After-sales Service and Application**

At [www.worx.com](http://www.worx.com) you can order spare parts or arrange the collection of a product in need of servicing or repair.

Tel. Service: 0345 202 9679

E-Mail: [customerservices@worxtools.com](mailto:customerservices@worxtools.com)

**[www.worx.com](http://www.worx.com)**

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