ZHEXON

ZHEXON

ROTARY HAMMER

INSTRUCTION MANUAL

MODEL

ZHHD31050

Please read this manual carefully before using.

CE

Security

The safety specifications listed in the following sections include the general safety specifications of Electronic equipment that must be listed in the operation manual under all applicable standards. Therefore, some of them may have nothing to do with this product.

General electric tool safety warning

Warning

Please read all safety warnings and instructions carefully. Failure to comply with the following warnings and instructions may cause electric shock accidents, fires and/or serious injuries.

Keep all warnings and instructions properly for future reference.

Work area safety

▶ please keep the work area clean and well-lit.

▶ do not use equipment in environments that are prone to explosion, such as environments where combustible liquids, gas, or dust exist.

▶ when operating the equipment, please keep your distance from children and others.

Power safety

▶ The plug and socket of the machine must be able to match each other. Do not modify the plug in any way. Do not use any transformer plugs with electrical appliances that are in

Contact with the ground (grounding).Unmodified plugs and sockets that can be matched with each other can reduce the risk of electric shock.

▶ Avoid letting your body touch items that come into contact with the land or surface, such as pipelines, radiators, stoves, and refrigerators. If your body comes into contact with the surface or the ground, it will increase the risk of electric shock.

▶ do not expose power tools to rain or humidity. If water vapor enters the equipment, the risk of electric shock will increase.

▶ do not abuse the cable. Do not hang, pull or unplug the equipment with cables. Cables should avoid hot air, oil, sharp edges or mobile parts. Damage or entanglement of cables will increase the risk of electric shock accidents.

▶ When operating equipment outdoors, must use an extension cord suitable for outdoor use. The use of extension cords suitable for outdoor use can reduce the risk of electric shock.

Personnel safety

▶ when operating the equipment, please be vigilant, pay attention to the work in progress and make good use of common sense. Do not use equipment when you feel tired or under the influence of drugs, alcohol or treatment.

▶ Wear personal protective equipment. Please wear an eye mask at any time. Proper use of Safety protective equipment such as dust masks, non-slip shoes, hard hats and earmuffs can reduce injuries to personnel.

▶ Avoid inadvertent startup. Before connecting to the power supply or battery pack, lifting or carrying the equipment, be sure to confirm that the switch is in the off position. When carrying equipment, if you put your finger on the switch, or when the switch is turned on, plugging the

Equipment in is prone to accidents.

▶ before starting the machine, all adjustment keys or wrenches should be removed. Leaving a wrench or key in the rotating parts of the machine may cause personal injury.

▶ Wear appropriate clothing. Do not wear loose clothes or jewelry.Hair, clothes and gloves should be kept away from metal parts. Some parts may be clamped to loose clothes, jewelry, or long hair.

▶ If the equipment can be connected to dust suction devices and dust collection equipment, please connect and use these devices appropriately. The use of dust collection devices can reduce the risks associated with dust.

Equipment use and maintenance

▶ do not force the use of equipment. Use the correct equipment according to the purpose. The use of tools according to the designed rate can complete the work faster and safer.

▶ if the switch fails to start or turn off the power tool, do not use the power tool. Any equipment that cannot be controlled by a switch is dangerous and requires maintenance.

▶ Before making any adjustments, replacing accessories, or storing and discharging motor tools, please unplug the plug from the socket, or remove the battery compartment from the

Motor tool. This preventive safety measure can reduce the risk of accidental start-up of the equipment.

▶ Store idle equipment out of reach of children, and do not let people who are not familiar

With or have not read this description operate this equipment. Equipment is very dangerous in the hands of untrained users.

▶ Maintain equipment. Please check whether the parts are offset or bonded, whether the parts are damaged, and any conditions that will affect the operation of the machine. If the equipment is damaged, please repair it before using it. Many accidents are caused by improperly maintained equipment.

▶ Follow this instruction to use equipment, accessories, tool sets, etc., and consider the

Working conditions and the work to be carried out. Using the equipment for purposes other than its original purpose may cause danger.

Repair service

▶ please hand over the equipment to qualified maintenance personnel for repair and use the same replacement parts. This ensures the safety of maintenance equipment.

Hammer safety warning

▶ please wear earmuffs. Exposure to noise can cause hearing loss.

▶ please use the auxiliary grip of the machine. Loss of control of the equipment may cause injury to personnel.

▶ when the cutting accessories of the work being carried out may touch the hidden wiring or its own wires, please hold the insulating grip of the tool when operating. Cutting accessories in contact with "conductive" wires may cause the exposed metal parts of the machine to "conduct

Electricity", causing the operator to suffer an electric shock.

Other safety instructions

Personnel safety

▶ This machine cannot be modified.

▶ please keep the grip dry and clean, and do not let oil stains appear on it.

▶ Check whether the auxiliary grip is installed correctly and fastened. Keep holding the grip of the machine tightly with both hands.

▶ This equipment should not be used by untrained and exhausted personnel.

▶ Keep the equipment out of reach of children。

▶ Avoid contact with rotating parts. Move the tool to the position of the work piece before turning on the power supply. Touching rotating parts, especially rotating drill bits or other

Accessories, can cause injuries.

▶ When working, be sure to keep the power cord and extension cord away from the machine (so that it is located at the back end of the machine).This helps to avoid tripping over wires while working.

Power safety

▶ Before starting work, please check the work area (such as using a metal detector) to ensure that there are hidden cables, gas pipes, or water pipes in the workplace. For example, when the cable is accidentally damaged, the metal parts outside the machine may conduct

Electricity. This will greatly increase the risk of electric shock accidents.

▶ Please check the power cord of the equipment regularly, and when damage is found, ask a qualified power specialist to replace it.

Workplace

▶ If the work includes chiseling operations, please take appropriate protective measures on the other side of the workpiece.Chiseled fragments will fall and injure others.

Personnel safety

▶ Wear protective gloves. This product will heat up during operation. If you come into contact with accessories when replacing them, there will be a risk of injury (cuts or burns).

Instructions

Machine operation control and its parts

① SDS Plus chuck
② Depth gauge removal button
③ Reverse/Forward button
④ Speed lock
⑤ Switch trigger
⑥ Power cable
⑦ Function selector switch
⑧ Auxiliary grip

Usage

This product is an electric rotary hammer.This tool is designed to be used in drilling operations of
concrete, stone, lock wall /gypsum board, plastic, wood and metal, as well as screw loading and
unloading operations.It can also be used for light drilling on stone and surface polishing on concrete. **ZHEXON** product is for professional use.It can only be operated, maintained and maintained by
authorized and trained personnel.Be sure to inform the person of specific risks that may occur.If untrained personnel operate incorrectly or do not follow the working steps during operation, this product and its auxiliary tools and equipment may be dangerous.

▶ This machine can only use the voltage and frequency specified on the model nameplate.

▶ Comply with national health and safety requirements.

▶ In order to reduce the risk of injury, try to use **ZHEXON** original equipment and accessories only.

Equipment and quantity

Rotary hammer、Auxiliary grip、depth gauge、drill bit*3、chisel bit*2、lubricating oil、dust cover、 manual instruction.

Technical data

model	ZHHD31050
N.W.	3.15 kg
Single impact force	2.1 J
Concrete / stone drilling diameter range	4 mm ...28 mm
Drilling diameter range - wood	1.5 mm ...20 mm
Drilling diameter range - metal	1.5 mm ...13 mm

Operation

Install auxiliary grip

Caution!

There is a risk of injury! The depth gauge (if installed but not used) may hinder operation.

▶ Please remove the depth gauge from the machine.

Caution!

There is a risk of injury! The rotary hammer drill is out of control.

▶ Check whether the auxiliary grip is installed correctly and fastened.Check whether the clamping belt fits the groove of the tool.

Install / remove drill bits or other accessories

The use of unsuitable lubricants may cause damage to the product.

▶ Be sure plug-off before touching any accessories attaching to machine.

Drill function (Rotate only)

▶ Set drill mode.

Hammer drill function (Rotate with impact)

▶ Set hammer drill mode.

Adjust function (Chisel direction positioning)

▶ Set adjust mode and positioning chisel direction

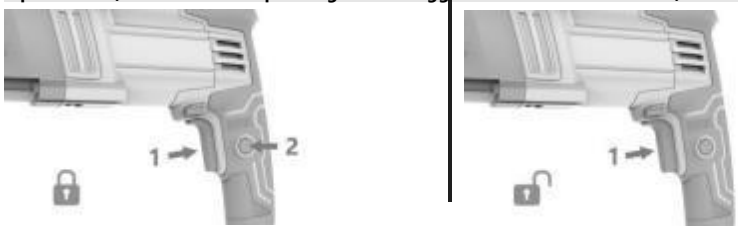
Hammer function (Impact action only)

▶ Set hammer mode and chipping through hard materials

Reverse/Forward function (Change rotate direction)

▶ Press R/F button to change rotate direction.

Speed lock (Free hand from pressing switch trigger while continuous work)



▶ Press lock button completely to maintain speed.

Product maintenance

▶ **Keep the surface of the product, especially the grip, clean and avoid grease and lubricating oil.Do not use cleaning or brightening agents containing silicone resin.**

▶ Do not use the product when the air vents are blocked.Please use a dry brush to carefully clean the air vents.Do not let foreign objects enter the product.

▶ Regularly use a slightly wet rag to clean the outside of the product. Do not use spray, water pressure cleaning equipment, or flowing water cleaning devices.

محدوده سرعت توصیه شده:

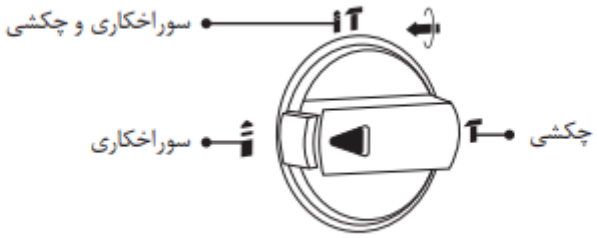
- سرعت بالا برای سوراخ کاری چکشی در بتن یا سنگ و همچنین برای حفاری.

- سرعت متوسط برای حفاری در فولاد و چوب.

- سرعت پایین برای هدایت پیچ ها و رزوه های برش

- **وضعیت دستگاه در حالت سوراخکاری/تخریب کاری/سوراخکاری چکشی:**

حالت های مختلف دستگاه به صورت شکل زیر قابل تغییر و استفاده است.



- **دسته کمکی:**

برای عملکرد بهینه، هنگام کار با دستگاه از دسته کمکی، استفاده نمایید. با چرخاندن دسته کمکی در یک موقعیت مناسب، می توانید به موقعیت کاری بدون خستگی و در نتیجه ایمن دست یابید. دستگیره را در خلاف جهت عقربه های ساعت شل و دسته را در موقعیت کاری دلخواه تنظیم کنید. اطمینان حاصل کنید که نوار گیره دسته کمکی در محفظه شیار در نظر گرفته شده برای آن قرار گیرد. سپس با چرخاندن در جهت عقربه های ساعت، دستگیره کمکی را دوباره سفت کنید.

- **نصب و تعویض مته:**

قبل از نصب و یا تعویض مته، دستگاه را از برق بکشید. انتهای مته را به کمی گریس آغشته نمایید. سپس انتهای مته را داخل سوراخ مته گیر قرار دهید. بعد از نصب مته اطمینان حاصل نمایید که مته می تواند به راحتی در راستای عمودی حرکت کند و در عین حال خوب در مته گیر قفل شده است. هنگام تعویض مته، روکش پلاستیکی مته گیر را عقب بکشید و مته را بیرون بیاورید.

- **روشن/خاموش کردن دستگاه:**

برای روشن کردن دستگاه، کلید روشن/خاموش را فشار دهید و با فشار دادن دکمه قفل کن، آن را قفل نمایید. برای خاموش کردن، ابتدا کلید روشن/خاموش را فشار دهید و سپس رها کنید.

- **تنظیم سرعت دستگاه:**

با افزایش یا کاهش فشار روی کلید روشن/خاموش می توانید سرعت دستگاه را در حالت روشن به طور مداوم تنظیم کنید.

کاهش سرعت دستگاه باعث تسهیل در سوراخ کاری (مثلاً روی سطوح صاف مانند کاشی) می شود، از لیز خوردن مته و خرد شدن سوراخ حفر شده جلوگیری می کند.

۳- دستورالعمل های ایمنی:

کار ایمن با این دستگاه تنها زمانی امکان پذیر است که اطلاعات عملکرد و ایمنی به طور کامل خوانده شود و دستورالعمل های موجود در آن به شدت رعایت شود.

- **برای جلوگیری از آسیب به شنوایی، از گوشی صداگیر و همچنین به جهت ایمنی کار با دستگاه از عینک، لباس، کفش و ماسک ایمنی استفاده کنید.**
- **همیشه محل کار خود را تمیز نگه دارید، چرا که گرد و غبار فلزات سبک می تواند موجب آتش سوزی یا انفجار گردد.**
- **دستگاه را در معرض باران یا شرایط مرطوب قرار ندهید.**
- **هرگز از دستگاه با کابل برق آسیب دیده استفاده نکنید.**
- **به هیچ وجه از کابل دستگاه برای حمل، کشیدن یا جدا کردن استفاده نکنید.**
- **از تماس کابل با گرما، روغن، لبه‌های تیز یا قطعات متحرک اجتناب کنید.**
- **اطمینان حاصل کنید که کلید دستگاه قبل از اتصال به منبع برق، در موقعیت خاموش باشد.**
- **هنگام کار در فضای باز، از یک سیم کشی مناسب استفاده کنید.**
- **دستگاه را از دسترس کودکان دور نگه دارید.**
- **قبل از شروع به کار، قطعه کار خود را در جای مطمئن و هموار قرار دهید یا حدالامکان آن را با یک گیره محکم کنید.**
- **هنگام استفاده از مته های بلند، مراقب لیز خوردن قطعه کار باشید.**
- **برای ایمنی بیشتر هنگام کار با دستگاه، حتما آن را با دو دست بگیرید.**
- **همیشه قبل از تعویض مته و یا وسایل جانبی دیگر، دستگاه را خاموش کنید.**

زکسون
ابزارهای برقی حرفه ای

۱- مشخصات فنی:

مدل دستگاه	ZHHD31050
ولتاژ	۲۲۰ ولت/۵۰ هرتز
توان	۱۰۵۰ وات
وزن	۵.۳ کیلوگرم
نرخ ورودی	۴۸۰۰ / دقیقه
انرژی ورودی	۲.۱ ژول

۲- اجزا و قطعات:

ZHEXON

زکسون

دریل بتن کن

راهنمای دستورالعمل

مدل

ZHHD31050

لطفاً این دفترچه را قبل از استفاده با دقت بخوانید

CE