

INSTRUCTION MANUAL

RANKOR

HAMMER DRILL
RHD80001



MADE IN CHINA

READ AND FOLLOW ALL SAFETY PRECAUTIONS IN THE INSTRUCTION MANUAL.

Content

Safety Notes	01
General Power Tool Safety Warnings	01
Work area safety	01
Electrical safety	01
Personal safety	01
Power tool use and care	02
Service	02
Safety Warnings for Hammer Drill	02
Function	03
Technical Data	03
Noise Vibration Information	03
Intended Use	03
Mounting and Operation	04
HAMMER DRILL SPARE PARTS LIST	06

Safety Notes

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, or severe injury.

Save all warnings and instructions for future reference. The power tool in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- ▶ Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- ▶ Do not operate power tools in explosive atmospheres, such as in flammable liquids, gases or dust. Power tools create sparks that may ignite the dust or fumes.
- ▶ Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

- ▶ 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 the risk of electric shock.
- ▶ 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.
- ▶ Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- ▶ Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.
- ▶ When operating a power tool outdoors, use an extension cord suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of electric shock.
- ▶ If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. The use of an RCD reduces the risk of electric shock.

Personal safety

- ▶ 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.
- ▶ Use personal protective equipment. Always wear eye protection. Protective equipment such as dust masks, non-skid safety shoes, hard hats, and hearing protection for appropriate conditions will reduce personal injuries.
- ▶ Prevent unintentional starting. Ensure the switch is off position before connecting it to the power source or battery pack or picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools with the switch on invites accidents.
- ▶ 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.
- ▶ Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ▶ 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.
- ▶ If devices are provided for connecting dust extraction and collection facilities, ensure these are connected and properly used. The use of dust collection can reduce dust-related hazards.

Power tool use and care

- **Don't 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.**
- **Do not use the power tool if the switch does not turn on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.**
- **Disconnect the plug from the power source 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**
- **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.**
- **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. Poorly maintained power tools cause many accidents**
- **Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp edges are less likely to bind and are easier to control.**
- **Use the power tool, accessories, tool sets, etc., in accordance with these instructions, taking into account the working conditions and the work to be performed. Using the power tool for operations different from those intended could result in a hazardous situation.**

Service

- **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 Warnings for Hammer Drill

- **Working safely with this machine is possible only when the operating and safety information is read thoroughly, and the instructions are strictly followed. In addition, the general safety notes in the enclosed booklet must be observed.**
- **It is recommended to perform a practical demonstration before using the tool for the first time.**
- **Wear hearing protection, safety glasses, sturdy shoes, and close-fitting clothes when using the tool. For users with long hair, please wear hair protection.**
- **Dust produced while working can be detrimental to health. Some dusts are considered to be carcinogenic, flammable or explosive, so it is recommended to use proper dust/chip extraction and wear a dust protection mask when using the tool.**
- **Light metal dust can burn or explode. Always keep the workplace clean since material mixtures are especially dangerous.**
- **If the cable is damaged or cut through while working, do not touch the cable but immediately pull the power plug. Never use the machine with a damaged cable.**
- **Connect machines used in the open via a residual current device (RCD) with an actuating current of 30mA maximum. Do not operate the machine in rain or moisture. Always direct the cable to the rear away from the machine.**
- **Use suitable detectors to find hidden utility lines or call the local utility company for assistance. Contacting with electric lines can lead to fire or electrical shock, damaging a gas line can result in an explosion, and penetrating a water pipe will cause property damage or electrical shock.**
- **Operate the machine only with the auxiliary handle.**
- **Secure the workpiece. A workpiece held with clamping devices or in a vise is more secure than when held by hand.**
- **Place the machine on the nut/screw only when switched off.**
- **Be careful when screwing in long screws; there is a danger of sliding off.**
- **Always hold the machine firmly with both hands and provide a secure stance when working.**
- **Always switch the machine off and wait until it has reached a standstill before placing it down.**
- **Never allow children to use the machine.**
- **The perfect functioning of the machine will be ensured only if the original accessories intended for it are used.**

Overload Clutch

The drive to the drill spindle will be interrupted if the drill bit becomes jammed or caught. Always hold the machine securely with both hands and take a firm stance.

Function

Technical Data

Model No.	RHD80001
Rated voltage	220-240V~
Frequency	50/60Hz
No-load speed	0-1100/min
Drilling capacity	26mm
Power	800W

Noise Vibration Information

►Please wear ear protection when using the tool.

►Measured values determined according to EN50144. The A-weighted noise levels of the tool are typically:

1.Sound pressure level: 91 dB(A)

2.Sound power level: 104 dB(A)

The weighted acceleration is typically 12 m/s².

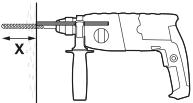
Intended Use

These machines are intended for hammer drilling in concrete, brick, and stone and light chiselling work.

They are also suitable for drilling in wood, metal, ceramic, and plastic without impact. Machines with electronic control and right/left rotation are also ideal for screw driving and thread cutting.

Mounting and Operation

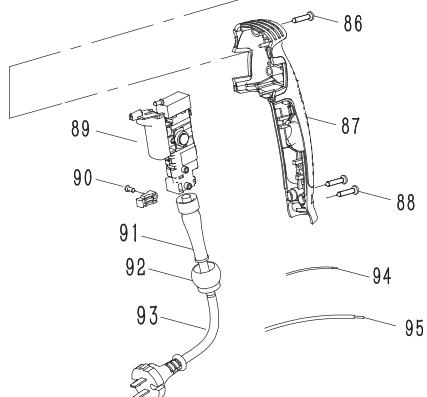
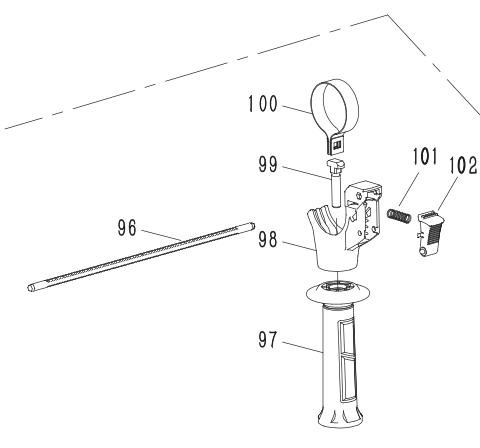
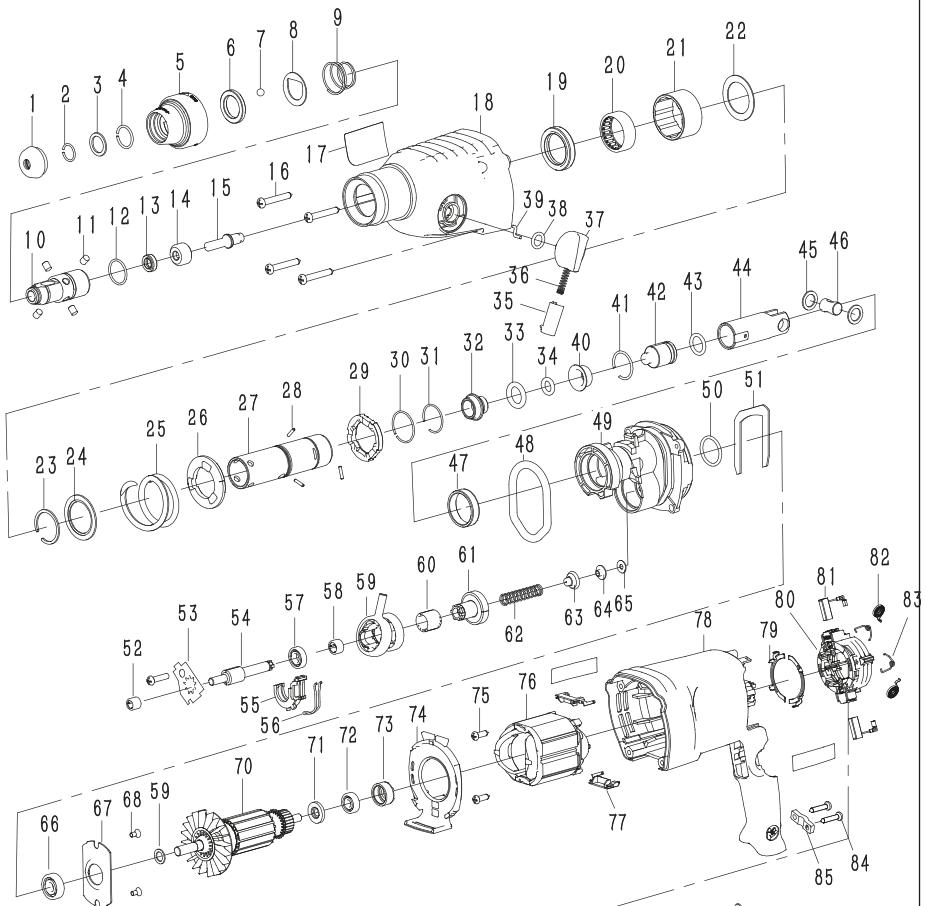
No.	Action	Figure	Please Observe
1	Selecting a drill chuck		
2	Removing the Quick Change Chuck		
3	Inserting the Quick Change Chuck		
4	Inserting SDS-plus Drilling Tools		
5	Removing SDS-plus Drilling Tools		
6	Inserting the Key Type Drill Chuck		
7	Inserting the Keyless Chuck		
8	Inserting round shank applications tools		
9	Selecting the operating mode and rotation direction		

No.	Action	Figure	Please Observe
10	Changing the chisel position (Vario-Lock)		  
11	Changing the position of the auxiliary handle		
12	Adjusting the drilling depth X		
13	Mounting the extraction system (Saugfix)		
14	Switching on and off and setting the speed		 
15	Locking-on the On/Off switch		 
16	Releasing the On/Off switch		

HAMMER DRILL SPARE PARTS LIST

Exploded view No.	Part name	Qty	Exploded view No.	Part name	Qty
1	Cap	1	28	Pin	3
2	ring spring	1	29	Ring	1
3	Washer	1	30	ring spring 27*1.5	1
4	ring spring	1	31	ring spring 28*1.5	1
5	Chuck cover	1	32	Hammer rod sleeve	1
6	Iron ring	1	33	O ring 25.2*16.4*4.4	1
7	Steel ball	1	34	O ring 16*9*3.5	1
8	Gasket	1	35	Knob	1
9	Spring	1	36	Spring	1
10	Tool hold complete	1	37	Shifting stall knob	1
11	pin	4	38	O ring 10.6*2.7	1
12	O ring	1	39	Iron core	1
13	Oil seal	1	40	Sleeve	1
14	Sleeve	1	41	Ring spring 28*2	1
15	Impact bolt	1	42	Piston	1
16	Screw ST4.5*42	4	43	O ring 21*15*3	1
17	Nameplate	3	44	Aluminum cylinder	1
18	Gear box (3 mode)	1	45	Gasket	2
19	Oil seal	1	46	Pin	1
20	Needle bearing	1	47	Stents bushing	1
21	Sleeve	1	48	O ring 55*69*7	1
22	Washer	1	49	Aluminum bracket	1
23	Ring spring	1	50	O ring ϕ 23.5* ϕ 2.4	1
24	Washer	1	51	Support pressure fork	1
25	ring spring	1	52	Needle roller bearing HK0709	1
26	Big gear	1	53	Nine tooth gasket	1
27	Cylinder	1	54	Intermediate shaft	1

Exploded view No.	Part name	Qty	Exploded view No.	Part name	Qty
55	Shift plastic fork	1	80	Rotating carbon brush holder	1
56	Fork snap ring	1	81	Carbon brush	2
58	Needle bearing 908	1	82	Coil spring	2
59	Rocker bearing	1	83	Rotating carbon brush torsion spring	2
60	Needle bearing	1	84	screw ST4x16	2
61	Gear	1	85	wire plate	1
62	Clutch spring	1	86	screw ST4×20	1
63	Clutch spring seat (plastic)	1	87	Rear cover	1
64	Clutch spring seat (iron)	1	88	screw ST4.2×16	2
65	flat washer	1	89	Switch (with pressure line board)	1
66	609 Bearing	1	90	screw ST4*12	1
67	Plate	1	91	sheath	1
68	Screw M4*8	2	92	Sheath beads	1
69	Rotor gasket	1	93	Cable 2 x 0.75mm ² × 2.5m	1
70	Rotor	1	94	Outgoing wire 80mm	1
71	Dust ring	1	95	Outgoing line 120MM	1
72	607 Bearing	1	96	Ruler	1
73	607 bearing sleeve	1	97	side handle	1
74	Winds circles	1	98	bracket	1
75	Screw ST4.2*16	2	99	T-slot screw	1
76	Stator	1	100	Hoop	1
77	Stator pin assembly	2	101	Button spring	1
78	Motor housing	1	102	Side handle button	1
79	Half round spring leaf	2			



The logo consists of a stylized letter 'Q' formed by a hexagon with a smaller hexagon inside, and a central dot. To the right of the logo, the word 'RANKOR' is written in a bold, sans-serif font.

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