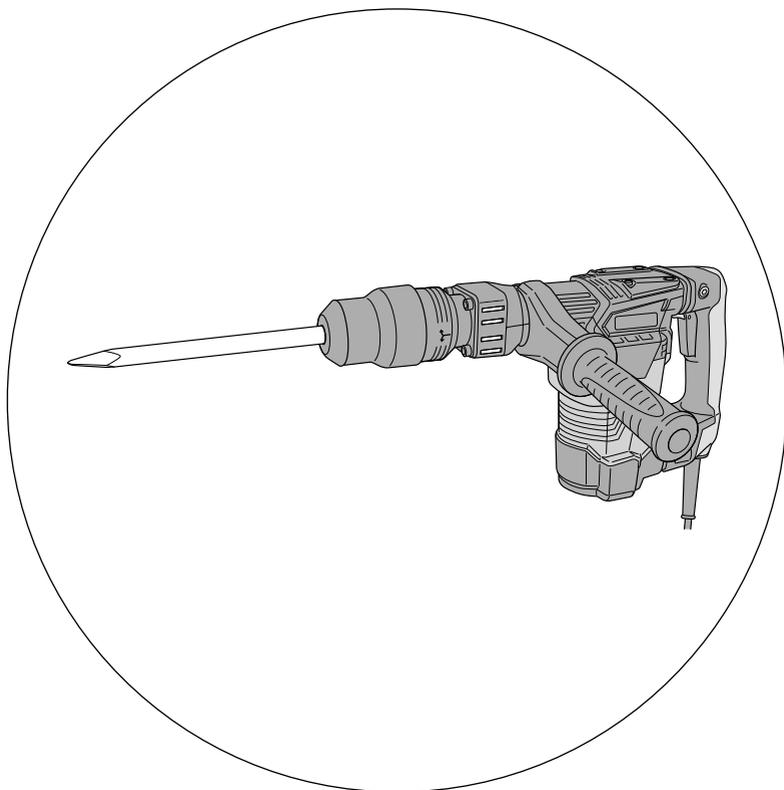


HIKOKI

电镐

Demolition Hammer

H 41MB2



保留备用

Keep for future reference



使用说明书

Handling instructions



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电动工具通用安全警告

⚠ 警告！

阅读所有警告和所有说明。

不遵照以下警告和说明会导致电击、着火和 / 或严重伤害。

保存所有警告和说明书以备查阅。

在所有下列的警告中术语“电动工具”指市电驱动(有线)电动工具或电池驱动(无线)电动工具。

1) 工作场地的安全

- a) 保持工作场地清洁和明亮。
混乱和黑暗的场地会引发事故。
- b) 不要在易爆环境，如有易燃液体、气体或粉尘的环境下操作电动工具。
电动工具产生的火花会点燃粉尘或气体。
- c) 让儿童和旁观者离开后操作电动工具。
注意力不集中会使操作者失去对工具的控制。

2) 电气安全

- a) 电动工具插头必须与插座相配。绝不能以任何方式改装插头。需接地的电动工具不能使用任何转换插头。
未经改装的插头和相配的插座将减少电击危险。
- b) 避免人体接触接地表面，如管道、散热片和冰箱。
如果你身体接地会增加电击危险。
- c) 不得将电动工具暴露在雨中或潮湿环境中。
水进入电动工具将增加电击危险。
- d) 不得滥用电线。绝不能用电线搬运、拉动电动工具或拔出其插头。使电线远离热源、油、锐边或运动部件。
受损或缠绕的软线会增加电击危险。
- e) 当在户外使用电动工具时，使用适合户外使用的外接软线。
适合户外使用的软线将减少电击危险。

- f) 如果在潮湿环境下操作电动工具是不可避免的，应使用剩余电流动作保护器（RCD）。
使用RCD可减小电击危险。

3) 人身安全

- a) 保持警觉，当操作电动工具时关注所从事的操作并保持清醒。当你感到疲倦，或在有药物、酒精或治疗反应时，不要操作电动工具。
在操作电动工具时瞬间的疏忽会导致严重人身伤害。
- b) 使用个人防护装置。始终佩戴护目镜。
安全装置，诸如适当条件下使用防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。
- c) 防止意外起动。确保开关在连接电源和 / 或电池盒、拿起或搬运工具时处于关断位置。
手指放在已接通电源的开关上或开关处于接通时插入插头可能会导致危险。
- d) 在电动工具接通之前，拿掉所有调节钥匙或扳手。
遗留在电动工具旋转零件上的扳手或钥匙会导致人身伤害。
- e) 手不要伸展得太长。时刻注意立足点和身体平衡。
这样在意外情况下能很好地控制电动工具。
- f) 着装适当。不要穿宽松衣服或佩戴饰品。让衣服、手套和头发远离运动部件。
宽松衣服、佩饰或长发可能会卷入运动部件中。
- g) 如果提供了与排屑、集尘设备连接用的装置，要确保它们连接完好且使用得当。
使用这些装置可减少尘屑引起的危险。

4) 电动工具使用和注意事项

- a) 不要滥用电动工具，根据用途使用适当的电动工具。
选用适当设计的电动工具会使你工作更有效、更安全。
- b) 如果开关不能接通或关断工具电源，则不能使用该电动工具。
不能用开关来控制的电动工具是危险的且必须进行修理。
- c) 在进行任何调节、更换附件或贮存电动工具之前，必须从电源上拔掉插头和 / 或使电池盒与工具脱开。
这种防护性措施将减少工具意外起动的危险。
- d) 将闲置不用的电动工具贮存在儿童所及范围之外，并且不要让不熟悉电动工具或对这些说明不了解的人操作电动工具。
电动工具在未经培训的用户手中是危险的。
- e) 保养电动工具。检查运动件是否调整到位或卡住，检查零件破损情况和影响电动工具运行的其他状况。如有损坏，电动工具应在使用前修理好。
许多事故由维护不良的电动工具引发。
- f) 保持切削刀具锋利和清洁。
保养良好的有锋利切削刃的刀具不易卡住而且容易控制。

中文

- g) 按照使用说明书，考虑作业条件和进行的作业来使用电动工具、附件和工具的刀头等。
将电动工具用于那些与其用途不符的操作可能会导致危险。

5) 维修

- a) 将你的电动工具送交专业维修人员，使用同样的备件进行修理。
这样将确保所维修的电动工具的安全性。

注意！

不可让儿童和体弱人士靠近工作场所。

应将不使用的工具存放在儿童和体弱人士接触不到的地方。

使用电镐注意事项

1. 请佩戴护耳罩。
暴露在噪声中会引起听力损伤。
2. 如果随工具提供辅助手柄，请使用。
操作失手会引起人身伤害。
3. 当在切削附件有可能碰到暗线或自身电线的场所进行操作时，只能通过绝缘握持面来握住电动工具。
切削附件碰到带电导线可能会使电动工具的外露金属零件带电并使操作者发生电击危险。

其它安全警告

1. 确认所使用的电源与产品铭牌上标示的功率要求相符。
2. 确认电源开关已切断。
若电源开关接通，则插头连接到电源插座时，电动工具将出其不意地立刻转动，从而导致严重事故。
3. 当作业区域距离电源较远时，使用足够厚度和额定功率的延伸线缆。延伸线缆应尽可能短。
4. 作业之后的钻头仍处在高热状态下，切不可摸触，以免灼伤。
5. 对墙壁、天花板和地板进行粉碎或剥离时，应彻底查明里面是否敷设电缆或导管。
6. 开始作业时，请确认螺钉已拧紧。
7. 在很高的位置作业时，请注意下方的物品和人员。
8. 请穿好防护鞋，保护脚部。
9. 佩戴防尘口罩
请勿吸入钻凿作业中产生的有害粉尘。粉尘会危机到自身和旁观者的身体健康。

10. 安装工具

- 为避免意外事故，请务必关闭开关并拔下电源插头。
- 当使用尖钻头及刀具等工具时，请务必使用本公司指定的纯正部件。
- 擦净尖钻头的柄。然后用润滑油或机油涂抹柄部分。

11. 操作中务必紧握手柄和侧柄或汽缸盖。

操作中请勿用夹持器握持。如果拉错，尖钻头可能会跳出。

12. RCD

推荐始终使用额定剩余电流为 30mA 以下的剩余电流动作保护器。

符号

警告！

如下所示的符号用于本机。使用前请务必理解其含意。

	为降低伤害风险，用户必须阅读使用说明书	n	满载速度
V	额定电压	--S/--S	运行时间 / 停机时间
A	电流	---/min	每分钟转动次数
W	瓦		二类工具

规格

型式	H41MB2
电压	220 V ~
输入功率	950 W
满载锤击率	3000 /min
重量	5.2 kg

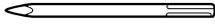
标准附件

除了主机（1 台）外，产品包中还包括表中所列的附件。

塑料盒		1
尖钻头 (SDS 最大柄)		1
侧柄		1

选购附件（分开销售）

- 粉碎头



- (1) 尖钻头

总长：280, 400 mm

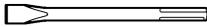
- 表面粗加工头



- (1) 套筒

- (2) 柄

- 开槽和饰边



- (1) 冷钻

总长：280, 400 mm

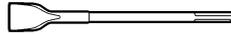
- 电镐润滑油 A

500g (罐装)

70g (管装)

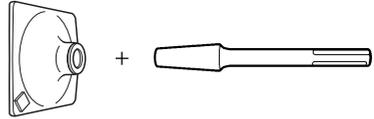
30g (管装)

- 沥青刮刀



- (1) 刀具

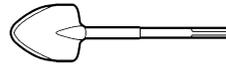
- 夯具



- (1) 撞锤

- (2) 柄

- 铲子



- (1) 铲子

用途

混凝土粉碎、混凝土切削、开槽、棒切割与打桩。

应用例：

装配管道、敷设线缆、卫生设备安装、机械安装、给排水设施建设、室内装修、港口设施建设、其它土木工程施工。

作业之前

1. 电源

确认所使用的电源与工具铭牌上标示的规格是否相符。

2. 电源开关

确认电源开关是否切断。若电源开关接通，则插头插入电源插座时电动工具将出其不意地立刻转动，从而招致严重事故。

3. 延伸线缆

若作业场所移到离开电源的地点，应使用容量足够、铠装合适的延伸线缆。延伸线缆要尽可能地短些。

4. 检查插座

如果插头插入插座后非常松动，就必须对插座进行修理。

联系持证电工，进行妥善修理。

如果使用这样的问题插座，可能会引起过热现象，进而造成严重危害。

5. 确认环境条件

确认工作场所条件合适，且符合规定的预防措施。

6. 安装侧柄

(1) 转动侧柄进行拆卸。(图 1)

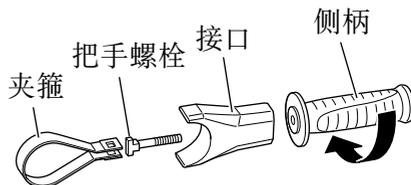


图 1

(2) 把夹箍放在夹箍连接区域，并将夹箍的两个孔放入把手螺栓的“T”形部位。(图 2、图 3)

(图 2、图 3)

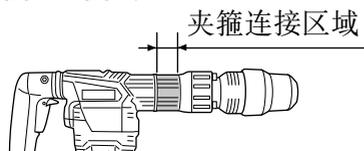


图 2

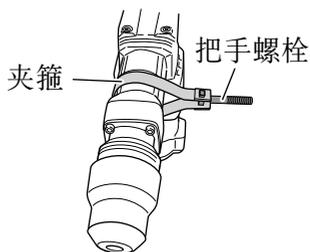


图 3

(3) 用手拿着夹箍确保把手螺栓不会松动时，将手柄插进接口中。(图 4)

(4) 将夹箍调整到适合任务的位置，转动侧柄，拧紧夹箍。一定要把夹箍拧紧。(图 5)

(图 5)

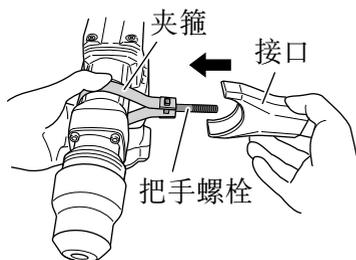


图 4

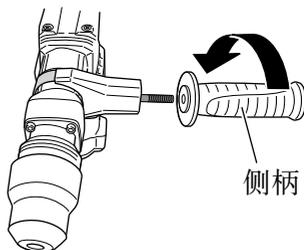


图 5

中文

7. 如何安装工具

注意！

使用尖钻头等工具时，请务必使用 HiKOKI 公司的纯正部件。

- (1) 擦净工具柄。
- (2) 如图 6 所示，要安装工具（五槽圆柄）时，将它插入孔内直至其抵达孔底。
如果继续轻轻转动工具，您可感觉到有钩处。在此位置，将夹持器推向箭头标记方向并将工具完全插入，直至其抵达尽头。
松开夹持器，使夹持器恢复原来的状态，并将工具固定在相应位置。
- (3) 拉动工具以确认它已被完全锁定。

8. 确定工具的工作位置。

本工具每次可转动 30 度，并可被固定于 12 级的位置。

- (1) 如图 7 所示，如果在夹持器 (B) 滑动到 (A) 方向的状态下，将夹持器 (B) 向 (B) 方向转动，刀刃角度可以随意改变。
- (2) 松开夹持器 (B) 并转动工具，确保已完全卡紧。

9. 拆除工具

如图 8 所示，向 (A) 的方向滑动夹持器并拉出工具。

注意！

操作中务必紧握手柄和侧柄或汽缸盖。
操作中请勿握持夹持器。如果拉错，尖钻头可能会跳出。

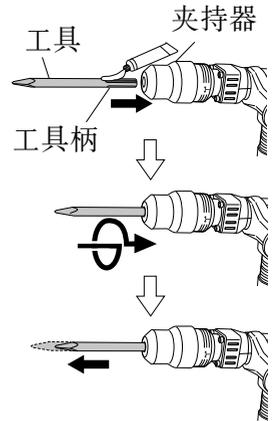


图 6

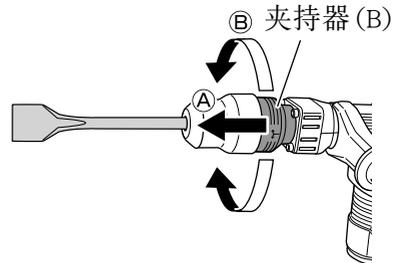


图 7

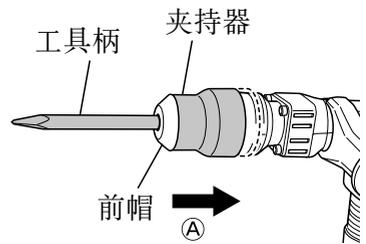


图 8

使用方法

1. 把钻头的尖端放入底座孔内之后，打开开关。
如果扳机已拉出并关闭，当松开扳机时，可以打开开关。
如果在开关的扳机拉出时按下 ON-Lock 开关，即使手指从扳机上松开，开关仍然开着——这样便于连续操作。
要关闭开关，再次拉动扳机，ON-Lock 开关分离。
2. 利用机器的空机重量并以双手紧握住电镐，就能有效控制后续的反弹作用。
要以适当的速度开始工作。用力过猛将会降低效率。
3. 即使开关处于 ON（开启）位置、电机正在运转且锤头顶着拆除表面，电镐有时也可能不开始工作。在这些情况下，关闭开关，将锤头重新顶着拆除表面，然后开启和关闭开关。这应能使电镐开始工作。重复此过程几分钟，电镐将变热，此后切换到 ON-LOCK，电镐将工作。
4. 加热（图 10）
在寒冷地区，本装置的润滑油润滑系统可能需要加热。
使钻头前端触及混凝土表面，打开开关开始加热。
注意，在听到钻击声后才使用本装置。

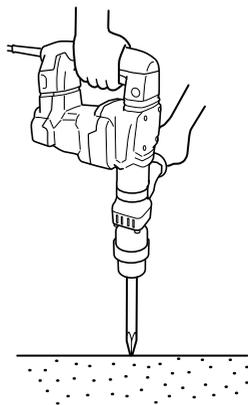


图 9

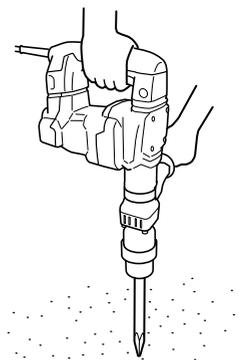


图 10

更换润滑油

该机具有全气密结构以防尘和润滑油漏失。

因此，即使长期不更换润滑油也能使用本机。请如下所述更换润滑油。

润滑油更换时间

购买本产品后，每 6 个月需要更换一次润滑油。在更换润滑油时，请离您最近的授权服务中心进行更换。

维护和检查

警告！

在维护和检查期间，一定要“切断”电源，并将插座上的插头拔掉。

1. 工具检修

当使用变钝的工具时会可能使电动机出现故障并降低效率，因此发现磨损后就应立即更换或磨快工具。

2. 检查安装螺钉

要经常检查安装螺钉是否紧固妥善。若发现螺钉松了，应立即重新扭紧，否则会导致严重的事故。

警告！

使用螺钉松动的电镐会导致危险。

3. 电动机的维护

电动机绕线是电动工具的“心脏部”应仔细检查有无损伤，是否被油液或水沾湿。

4. 检查炭刷：(图 11)

电动机采用的炭刷为消耗性部件。已磨损或接近“磨损极限”的炭刷将导致电机发生故障。装配自停式炭刷后，电机将自动停止。此时，请更换为与图示中相同炭刷号的新炭刷。此外，经常保持炭刷清洁，确保炭刷在刷架内可顺畅滑动。

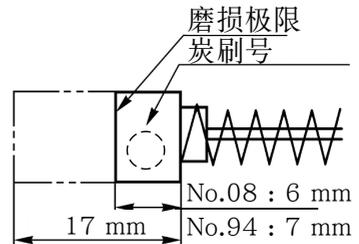


图 11

注意！

若电镐的炭刷超出磨损极限，则将导致电机损坏。

○ 更换炭刷：

拧松两个固定螺钉并拆下护板和后尾盖。拆下炭刷帽和炭刷。更换炭刷后，拧紧炭刷帽和两个固定螺钉，安装护板和后尾盖。

5. 更换电源线

如果需要更换电源线，则必须由此代理的生产厂商进行操作，以免发生危险。

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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.

English

- 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) 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.

CAUTION

Keep children and infirm persons away.

When not in use, tools should be stored out of reach of children and infirm persons.

DEMOLITION HAMMER SAFETY WARNINGS

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

ADDITIONAL SAFETY WARNINGS

1. Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. Ensure that the power switch is in the OFF position.
If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a serious accident.
3. When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.
4. Do not touch the bit during or immediately after operation. The bit becomes very hot during operation and could cause serious burns.
5. Before starting to break, chip a wall, floor or ceiling, thoroughly confirm that such items as electric cables or conduits are not buried inside.
6. At the start of work, confirm screw tightening.
7. When working at a highly elevated location, pay attention to articles and persons below.
8. Wear protective shoes to protect your feet.
9. Wear a dust mask.
Do not inhale the harmful dusts generated in chiseling operation. The dust can endanger the health of yourself and bystanders.
10. Mounting the tool
 - To prevent accidents, make sure to turn the switch off and disconnect the plug from the receptacle.
 - When using tools such as bull points, cutters, etc., make sure to use the genuine parts designated by our company.
 - Clean the shank portion of the bull point. Then smear the shank portion with the grease or machine oil.
11. Be sure to grip the handle and side handle or cylinder case cover during work. Do not hold by the grip during work. If you pull it by mistake, the bull point could jump out.
12. RCD
The use of a residual current device with a rated residual current of 30 mA or less at all times is recommended.

SYMBOLS

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

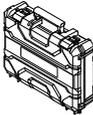
	To reduce the risk of injury, user must read instruction manual.	n	Full-load speed
V	Rated voltage	--S/--S	Running Time / Down Time
A	Current	---/min	revolutions per minute
W	Watt		Class II tool

SPECIFICATIONS

Model	H41MB2
Voltage	220V ~
Power input	950 W
Full-load impact rate	3000 /min
Weight	5.2kg

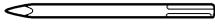
STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed in the below.

Plastic Case		1
Bull Point (SDS-max shank)		1
Side Handle		1

OPTIONAL ACCESSORIES (sold separately)

- Demolishing



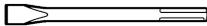
- (1) Bull Point
Overall Length: 280, 400 mm

- Surface Roughing



- (1) Bushing Tool (2) Shank

- Groove digging and edging

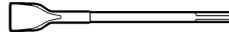


- (1) Cold chisel
Overall length: 280, 400 mm

- Hammer Grease A

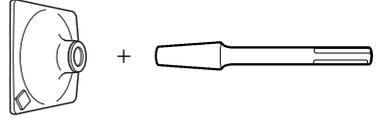
- 500 g (in a can)
- 70 g (in a tube)
- 30 g (in a tube)

- Asphalt Cutting



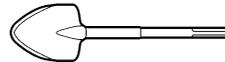
- (1) Cutter

- Tamping



- (1) Rammer (2) Shank

- Scooping Work



- (1) Scoop

APPLICATIONS

Breaking concrete, chipping off concrete, grooving, bar cutting, and driving piles.

Application examples:

Installation of piping and wiring, sanitary facility installation, machinery installation, water supply and drainage work, interior jobs, harbor facilities and other civil engineering work.

PRIOR TO OPERATION

1. Power source
Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. Power switch
Ensure that the power switch is in the OFF position. If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a serious accident.
3. Extension cord
When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

4. Check the receptacle
If the receptacle only loosely accepts the plug, the receptacle must be repaired.
Contact a licensed electrician to make appropriate repairs.
If such a faulty receptacle is used, it may cause overheating, resulting in a serious hazard.
5. Confirming condition of the environment
Confirm that the work site is placed under appropriate conditions conforming to prescribed precautions.

6. Installing the Side Handle

- (1) Turn the side handle to dismantle. (**Fig. 1**)

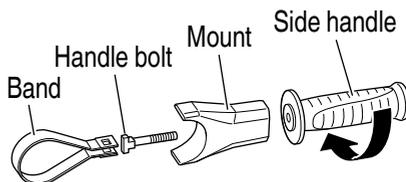


Fig. 1

- (2) Place the band over the band attachment area and fit the band's two holes onto the "T" portion of the handle bolt. (**Fig. 2, 3**)

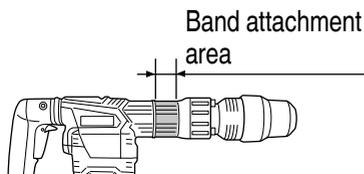


Fig. 2

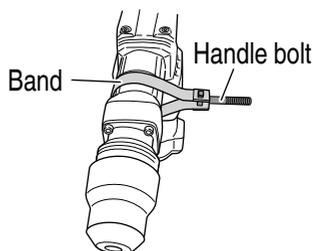


Fig. 3

- (3) As you hold the band to make sure the handle bolt won't come loose, insert the handle bolt into the mount. (**Fig. 4**)
- (4) Adjusting the band to a position that is suitable for the task, turn the side handle to fasten the band. Make sure that the band is securely fastened. (**Fig. 5**)

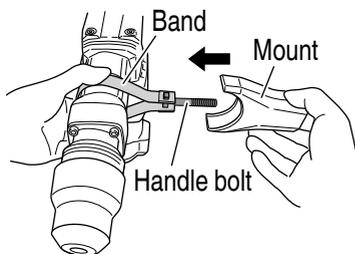


Fig. 4

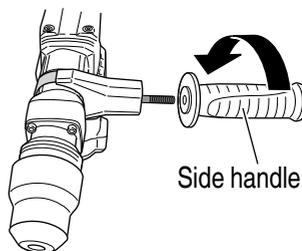


Fig. 5

English

7. How to install tool

CAUTION

For tools such as a bull point, use only HiKOKI genuine parts.

- (1) Clean the shank portion of the tool.
- (2) To attach the tool (SDS max shank), insert it into the hole until it contacts the innermost end of the hole as illustrated in **Fig. 6**.

If you continue to turn the tool with slight pressure, you can feel a spot where there is a hitch. At that spot, pull the grip to the direction of an arrow mark and insert the tool all the way until it hits the innermost end.

Releasing the grip reverts the grip and secures the tool in place.

- (3) Pull the tool to make sure it is locked completely.

8. Deciding Working Position of Tool

The tool can be turned every 30 degrees and can be fixed at the position of 12 steps.

- (1) As shown in **Fig. 7**, the blade angle can be freely changed if the grip (B) is turned in the direction of (B) in a state where grip (B) is slid in the direction of (A).
- (2) Release grip (B) and turn the tool, and make sure that it is locked completely.

9. Removing Tool

As shown in **Fig. 8**, slide the grip in the direction of (A) and pull out the tool.

CAUTION

Be sure to grip the handle and side handle or cylinder case cover during work. Do not hold by the grip during work. If you pull it by mistake, the bull point could jump out.

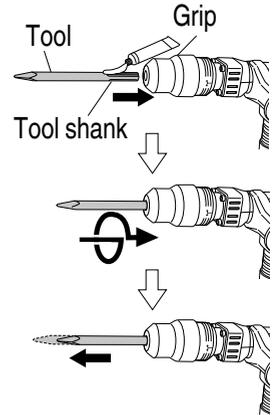


Fig. 6

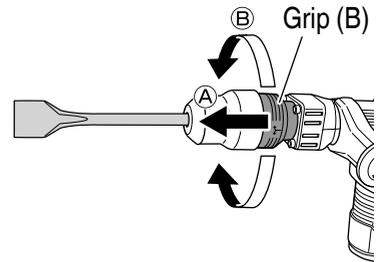


Fig. 7

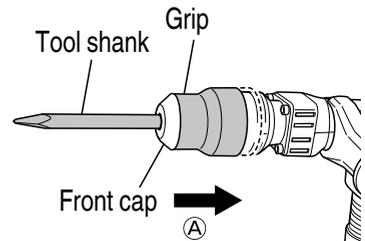


Fig. 8

HOW TO USE

1. After placing the tip of the tool on concrete surface, switch ON.
The switch can be turned ON if the trigger is pulled and OFF when it is released.
If the ON-Lock Switch is pressed while the trigger for the switch is pulled, even if your finger is released from the trigger, the switch remains ON - convenient for continuous operation.
To turn the switch OFF, pull the trigger again, and then the ON-Lock Switch comes off.
2. By utilizing the empty weight of the machine and by firmly holding the hammer by both hands, you can effectively control the subsequent recoil motion.
Proceed at a moderate work-rate, the use of too much force will impair efficiency.
3. Even when the switch is on, the motor is running and the tool head is pressed to the demolition surface, the hammer sometimes does not start operating. In these instances, turn the switch off, press the tool head against the demolition surface again, and turn the switch on and off.
This should start the hammer operating. Repeat this procedure for several minutes, and the hammer will heat, after which it will operate when switched to ON-LOCK.
4. Warming up (**Fig. 10**)
The grease lubrication system in this unit may require warming up in cold regions.
Position the end of the bit so makes contact with the concrete, turn on the switch and perform the warming up operation. Make sure that a hitting sound is produced and then use the unit.

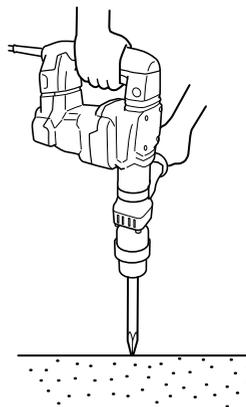


Fig. 9

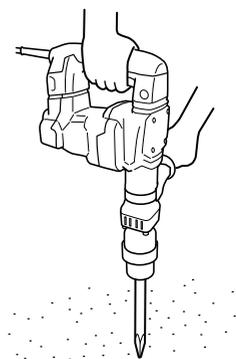


Fig. 10

GREASE REPLACEMENT

This Demolition Hammer is of full air-tight construction to protect against dust and to prevent lubricant leakage.

Therefore, this Demolition Hammer can be used without lubrication for long periods. Replace the grease as described below.

Grease Replacement Period

After purchase, replace grease after every 6 months of usage. Ask for grease replacement at the nearest authorized Service Center.

MAINTENANCE AND INSPECTION

WARNING

Be sure to switch power OFF and disconnect the plug from the receptacle during maintenance and inspection.

1. Inspecting the tool
Since use of a dull tool will cause motor malfunctioning and degraded efficiency, replace the tool with new ones or sharpen them without delay when abrasion is noted.
2. Inspecting the mounting screws
Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

WARNING

Using this Demolition Hammer with loosen screws is extremely dangerous.

3. Maintenance of the motor
The motor unit winding is the very “heart” of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.
4. Inspecting the carbon brushes: **(Fig. 11)**
The motor employs carbon brushes which are consumable parts. When they become worn to or near “wear limit”, it could result in motor trouble. When an auto-stop carbon brush is equipped, the motor will stop automatically. At that time, replace both carbon brushes with new ones which have the same carbon brush Nos. shown in the figure. In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

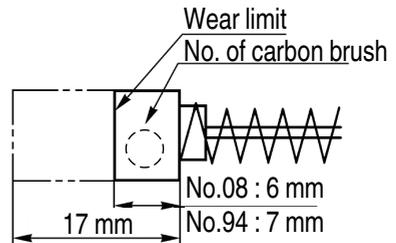


Fig. 11

CAUTION

Using this Demolition Hammer with a carbon brush which is worn in excess of the wear limit will damage the motor.

- Replacing carbon brushes:
Loosen the two set screws and remove the plate and the tail cover. Remove the brush caps and carbon brushes.
After replacing the carbon brushes, tighten the brush caps securely and to install the plate and the tail cover with securely tightening two set screws.
5. Replacing supply cord
If the replacement of the supply cord is necessary, this has to be done by the manufacturer of this agent in order to avoid a safety hazard.







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