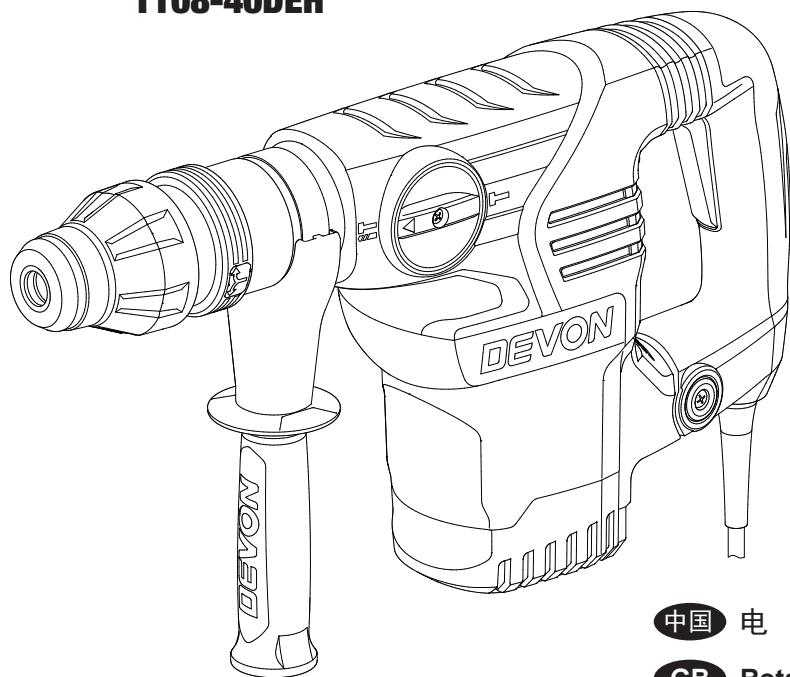


DEVON[®] 大有

型号: **1108-40D**
1108-40DE
1108-40DH
1108-40DEH



中国 电 锤

GB Rotary Hammer

各产品外观之间存在差异, 请以实物为准

专业电动工具

PROFESSIONAL TOOLS

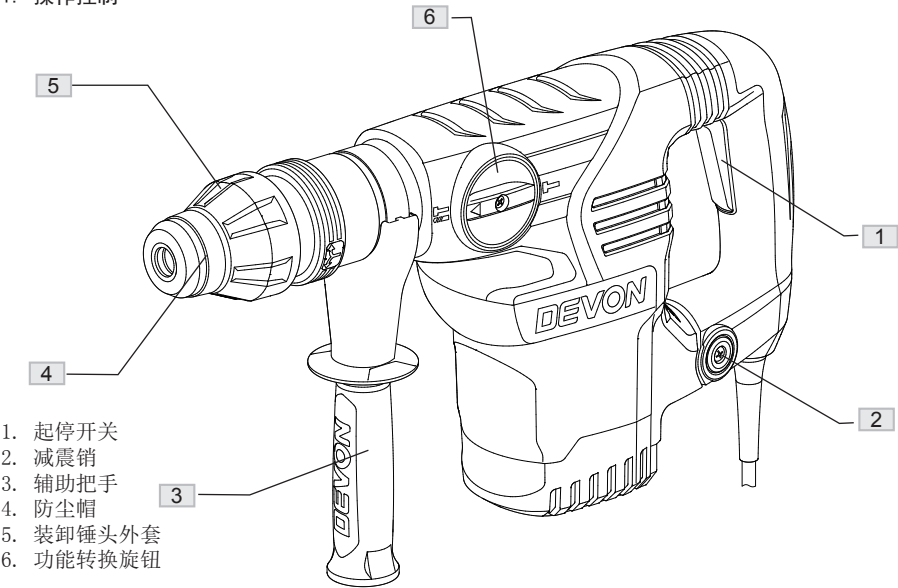
大有工具 “劲”在掌握

电锤简介



本电动工具适合专业用户,可在混凝土、砖墙及石材上进行振动作业,也可做简单的轻凿击工作。
请您在使用前务必仔细阅读说明书,并严格按照说明指示使用产品!

1. 操作控制



2、工具规格

型号	1108-40D	1108-40DE	11108-40DH	1108-40DEH
正/反转功能	无	无	无	无
凿削功能	有	有	有	有
恒速板	无	有	无	有
输入功率(瓦)	1150W	1150W	1150W	1150W
空载转速(/分钟)	380rpm	340rpm	380rpm	340rpm
敲击次数(/分钟)	2900	2900	2900	2900
冲击能量(焦耳)	10	11	10	11
混凝土(毫米)	40	40	40	40
重量(不含配件)	6.4Kg	6.4Kg	6.4Kg	6.4Kg
夹头	SDS-MAX	SDS-MAX	SDS-Hexagon	SDS-Hexagon
主轴径直径(毫米)	66	66	66	66
保护等级	□/II	□/II	□/II	□/II
绝缘等级	E	E	E	E

注：1. 为求改进,本说明书所载规格可能不预先通告而给予更改。
2. 本说明书提供的参数是以220V为依据,若有低于或高于此电压的地区,数据有可能不同

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阅读。

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

- 1) 保持工作场地清洁和明亮。混乱和黑暗的场所会引发事故。
- 2) 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。
- 3) 让儿童和旁观者离开后操纵电动工具。注意力不集中会使操作者失去对工具的控制。

2. 电气安全

- 1) 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。
- 2) 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触电危险。
- 3) 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触电危险。
- 4) 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。
- 5) 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。
- 6) 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可减少电击危险。

3. 人身安全

- 1) 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。
- 2) 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。
- 3) 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。

- 4) 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。
- 5) 手不要伸得太长。时刻注意脚下和身体平衡。这样在意外情况下能很好地控制电动工具。
- 6) 着装适当。不要穿宽松衣服或佩带。让你的头发、衣服和袖子远离运动部件。宽松衣服、佩饰或长发可能会卷入运动部件。
- 7) 如果提供了与排屑装置、集尘设备连接用的装置，则确保他们连接完好且使用得当。使用这些装置可减少碎屑引起的危险。
4. 电动工具使用和注意事项
- 1) 不要滥用电动工具，根据用途使用适当的电动工具。选用适当的设计额定值的电动工具会使你工作更有效、更安全。
- 2) 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。
- 3) 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 / 或将电池盒脱开电源。这种防护性措施将减少电动工具突然起动的危险。
- 4) 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。电动工具在未经训练的用户手中是危险的。
- 5) 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条件。如有损坏，电动工具必须在使用前修理好。许多事故由维护不良的电动工具引发。
- 6) 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。
- 7) 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。将电动工具用作那些与要求不符的操作可能会导致危险情况。

5. 维修

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。

锤类工具的安全警告：

- 戴好耳罩。暴露在噪声中会引起听力损伤。
- 使用随工具提供的辅助手柄。操作失手会引起人身伤害。
- 在切削附件可能触及暗线或其自身软线之处进行操作时，要通过绝缘握持面来握持工具。切削附件碰到带电导线会使工具外露的金属零件带电从而使操作者受到电击。



电锤工作时产生的粉尘可能含有致癌或对人体有害的化学物质。例如：

- 油漆中含有的铅。
- 砷和铬与木材起反应后也会产生有毒物质。

为了减少这些有毒的化学物质对人体的伤害，要尽量保证在通风的环境下工作，并且工作时配戴合格的安全保护装置。

电锤使用注意事项

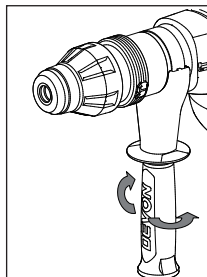
1. 确保电源线放在机身后面，远离钻头。
2. 工件请用夹具或台钳卡紧。
3. 戴好耳罩。暴露在噪声中会引起听力损伤。
4. 操作机器时务必使用随工具提供的辅助手柄。操作失手会引起人身伤害。
5. 如果工具启动后，出现明显颤动或其它异常，请立即停机，排除故障后方可继续操作。握住绝缘手柄表面。
6. 以双手紧握电锤，勿以单手操作。
7. 切勿强施蛮力，本电锤以其自身转速运行会有更佳及更安全的表现。
8. 使用电动工具时，应拿着其绝缘表面，因机具可能会直接接触到隐藏的电源或自身电线。
9. 配戴上手套才接触电锤配件，当操作时钻头及配件会变热，配戴手套及间中小休会减少振动对手及手臂的伤害。
10. 借助金属探测仪等检查钻孔位置有无隐蔽的电线，气体、供水管道。
11. 工具在操作中，请勿清除铁屑、木屑。
12. 请勿随意在机壳任何位置钻孔，以防漏电。
13. 在粉尘过多的环境下，应缩短电动工具的清洁周期。
14. 不要长时间操作工具。以免对手或手臂造成疲劳损伤。

配备

- 辅助手柄 1个
 - 防尘帽 (1108-40DH/1108-40DEH) 1个
- 在某些国家或某些特殊的机型，其所提供的配备，可能与以上所给的资料稍有出入。

操作说明

1. 检查供电电压 须与铭牌数据相符！
2. 自己动安全离合器装置 当工具突然被卡住时，能保护使用者和机器，以减少受到反向扭力的伤害。
3. 辅助手柄 首先请将电源线插头拔离总插座。朝着逆时针方向转动辅助把手3，把辅助把手3摆动到需要的位置。接着再朝顺时针方向转紧辅助把手3。



⚠ 使用随工具提供的辅助手柄。操作失手会引起人身伤害。

4. 选用工具

进行振动锤钻时一定要根据您购买的工具型号，使用相应的锤头。因为此时必须把工具安装到快换夹头上。

5. 安装拆卸锤头工具

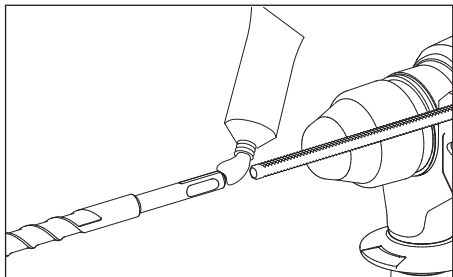
由于系统设计上的特点，SDS-MAX工具可以自由转动，因此在非负载状态下，工具会作偏心旋转。只要一开始钻孔，工具即会自动定心。因此上述现象并不会影响钻孔的准确度。

⚠ 更换工具时要小心，不要损伤防尘帽。如防尘帽损坏必须立即更换。

1) 安装:

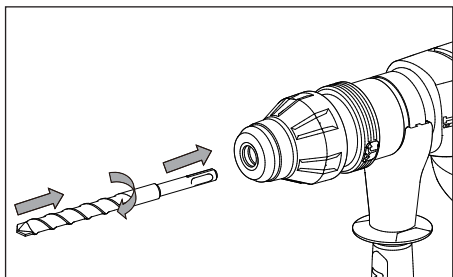
⚠ 必须定期在工具柄端面涂油脂。

安装工具前必须先清洁工具，而且要在插柄上抹少许油脂。

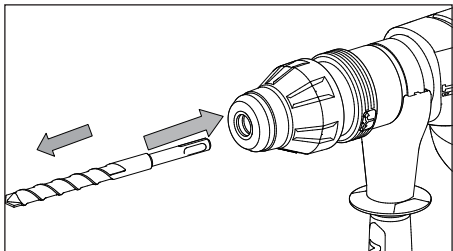


(1) 对于型号为1108-40D及1108-40DE的使用SDS-MAX锤头的工具，只需插入锤头并对准键槽后轻轻推入至听到轻响，然后检查工具是否正确锁入锁紧。

(2) 对于型号为1108-40DH及1108-40DEH的使用SDS-Hexagon锤头的工具，需先向后拉动外套后，对准插入锤头，再松开外套。然后检查工具是否正确锁入锁紧。



2) 拆卸: 向后拉外套，握紧外套并同时从工具夹头中取出锤头工具。

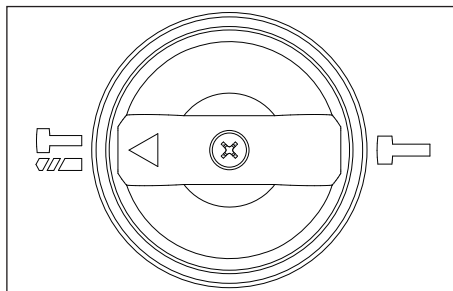


6. 设定操作功能

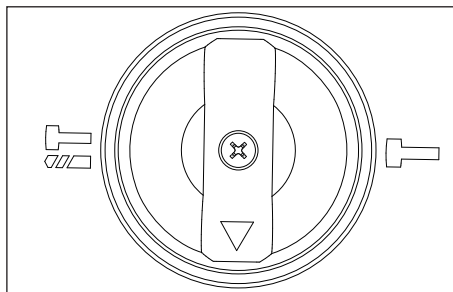
使用功能选换旋钮，可以选择不同的操作功能。变换功能即转动功能选换旋钮(转动功能时必须能够清楚地听到开关的咬合声响)以选择适合的操作功能。

⚠ 必须先关闭机器之后才能够选换功能! 否则会损坏机器。

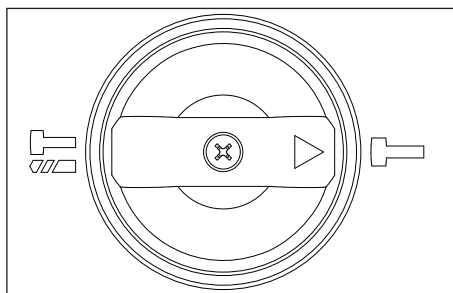
- 进行冲击钻时的设定位置。



- 改变凿头的开关位置。



- 进行凿削时的开关位置。



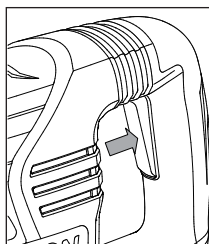
7. 开关操作

⚠ 检查工具的开关操作是否自如，确保插电前开关处于关停状态！

1) 间歇性作业：

启动：按下起停开关

关停：放开起停开关



实际应用

⚠ 为减少爆炸、电击等危险和伤害，作业前必须检查工件有无隐蔽的电线、气体、供水管道！

⚠ 在较低温度下工作时：

机器只允许达到最低设定操作温度，才可启动工作。

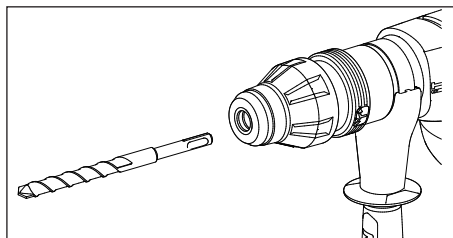
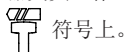
在机器启动的状态下，将锤头尖端对准需要钻孔处压下。必要时可重复执行此程序，使机器达到最低设定操作温度。

1. 振动钻

⚠ 型号为1108-40D及1108-40DE的工具使用SDS-MAX锤头。


⚠ 型号为1108-40DH及1108-40DEH的工具使用SDS-Hexagon锤头；且在钻22及其以下规格孔，或者使用凿削档位工作时，要更换成随机附带的直径为Φ12的小孔防尘帽，保证夹持部位的正常密封。



如果不对应使用钻头进行振动钻会损坏钻头和机器夹头。作业时，必须把功能选换开关调整到此



2. 轻型凿削

装上凿子前先要设定工作模式，将功能选换旋钮

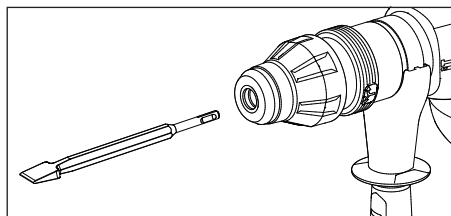
(6) 调至  位置。

插入适当的凿子。要把凿子转动至所需位置，把功能选换旋钮(6)调至  位置，然后用手转动凿子，最后把功能选换旋钮调回  位置。

按需要调整辅助手柄(3)的位置。

按下起停开关(1)并开始凿削。

双手紧握工具。启动工具并轻轻按压，这样工具不会失控往四周弹跳。用力按压工具并不会提高效率。



3. 改变凿头位置

凿头有12个不同的锁定位置。如此可确保最佳的工作姿势。

1) 把凿头装入工具夹头中。

2) 把冲击/转动停止开关1拧到设定位置上（参照设定操作功能）

3) 把凿头旋转到需要的工作位置上。

4) 把冲击/转动停止开关1拧转到“凿削”功能位置上。此时工具会自动被锁定。

⚠ 进行凿击时，冲击/转动停止开关1必须设定在“凿击”位置。

4. 设定的转速/冲击次数

对于型号为1108-40DE及1108-40DEH的工具，借助恒定电子装置让转速和冲击次数在无载运作和负载运作时能够保持恒定。

5. 过载离合器

如果工具卡住了，传往主轴的动力会中断。此时会产生非常大的震动力。因此操作机器时务必要用双手握紧机器，并且要确保立足稳固。

如果电动工具卡住了，先关闭电动工具，再取出工具。开动工具被卡住的电动工具，会产生很高的堵转力矩。

6. 减震装置


内建的减震系统，能够减轻工作时产生的震动。机器的软柄具备了止滑的效果因此能够提高待机的稳定性，更能够确保使用者灵活地操作电动工具。

工具维护保养



警告：对电锤进行维修检查之前，必须把插头拔离电源插座。

1. 检查安装螺钉。经常检查安装螺钉是否紧固稳妥。螺钉松开极易引起严重事故。
2. 定期检查线缆。电源线是特殊制备的，如发现损伤应立即委托 **DEVON** 授权的维修中心处理。此工具所用电源线为特殊结构，且勿擅自更换电源线，如需更换，请到 **DEVON** 授权的维修中心处理。
3. 保持通风槽清洁顺畅。经常清除尘埃、油污，严防杂物入内。
4. 更换碳刷。当碳刷磨损到一定长度器具将会停止，一旦发生此情况，应及时更换碳刷，为了保证产品的安全性和可靠性，由经 **DEVON** 授权的维修中心检查和更换碳刷，以防止触电和保证工具长期安全使用。
5. 必须由 **DEVON** 授权的维修中心进行维修。只能使用 **DEVON** 的配件、零件。
6. 清洁。避免使用造成塑料龟裂损坏的溶剂擦拭塑料零件。建议使用稍微沾湿了肥皂水的柔布。
7. 避免工具受到震荡、撞击或油脂影响。

 请勿让马达淋到水，禁止将整个机身投入水中，以免引起马达故障及触电事故！

附：一般故障及排除方法

故障	原因	排除方法
1. 接电后电机不运转	1. 电源断了	1. 修复电源
	2. 接头松落	2. 检查所有接头
	3. 开关接触不良或不动作	3. 修理或更换开关
	4. 电刷与换向器表面不接触	4. 更换碳刷
2. 钻头无法旋转	1. 功能选换旋钮未接合	1. 在旋转停止后，将功能选换旋钮确实打开
3. 没有锤击动作或工具抖动	1. 工具太冷	1. 让工具达到最低温度
4. 工具无法产生全部动力	1. 控制开关没有完全按下	1. 尽可能按下控制开关

用户可更换零件表

序号	编码	名称	数量
1	4810002000	Power Cord & Plug 电源线	1
2	2800187000	Carbon Brush碳刷	2

环境保护



1. **DEVON** 的包装可以百分之百进行回收再生处理。
2. 报废的电动工具和附件中含有大量有价值的原材料及合成材料，同样可以进行再生回收。
3. 工作时所产生的粉尘中会包含有害物质，因而不应作为普通垃圾倾倒，而应交给特殊垃圾回收站处理。

服务

1. 工具需要保修时，请自行送至当地特约维修中心，并提供有效保修卡及购机发票原件，遗失保修卡恕不补发。
2. 由于正常磨损、过载或不当使用而导致的损坏，不在保修范围内。

DESCRIPTION OF THE TOOL

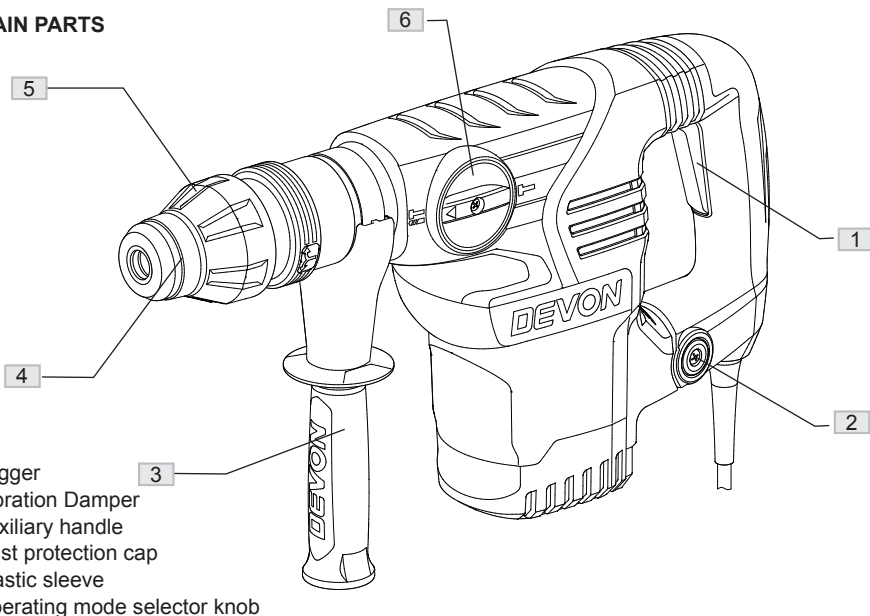
OPERATING CONTROL



The power tool is intended for professional tool. It is intended for hammer drilling in concrete, brick and stone as well as for light chiseling work.

Read, understand and follow all safety rules and instructions before using this tool.

1. MAIN PARTS



1. Trigger
2. Vibration Damper
3. Auxiliary handle
4. Dust protection cap
5. Plastic sleeve
6. Operating mode selector knob

Pictures of appearance, style and package only for reference. Please subject to real part.


2. TOOL SPECIFICATIONS

Model	1108-40D	1108-40DE	1108-40DH	1108-40DEH
Forward/reverse function	N	N	N	N
Chipping and chiseling	Y	Y	Y	Y
constant speed	N	Y	N	Y
Input power(W)	1150W	1150W	1150W	1150W
No-load speed(min-1)	380rpm	340rpm	380rpm	340rpm
Impact rate(per min)	2900	2900	2900	2900
Impact energy(J)	10	11	10	11
Concrete(twist drill bit) (mm)	40	40	40	40
Weight(without accessories)approx	6.4Kg	6.4Kg	6.4Kg	6.4Kg
Tool holder	SDS-MAX	SDS-MAX	SDS-Hexagon	SDS-Hexagon
Spindle collar diameter(mm)	66	66	66	66
Protect grade	□/II	□/II	□/II	□/II
Insulated grade	E	E	E	E

NOTE 1: Due to **DEVON**'s continuing program of development, the specifications herein are subject of change without prior notice.

NOTE 2: The values given are valid for nominal voltages [U] of 220 V. For lower or higher voltages and models for specific countries, these values can vary.

GENERAL SAFETY RULES

 **WARNING:** Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1. WORK AREA SAFETY

- 1) Keep your work area clean and well lit. Cluttered or dark areas invite accidents
- 2) Do not operate power tools in explosive environments, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.
- 3) Keep children and bystanders away while operating a power tool. Distractions may cause you to lose control.

2. ELECTRICAL SAFETY

- 1) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.** Unmodified plugs and matching outlets will reduce the risk of electric shock.
- 2) **Avoid body contact with grounded surfaces, such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- 3) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- 4) **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 edge, or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- 5) **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.

- 6) 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

- 1) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 2) **Use safety equipment. Always wear eye protection.** Safety equipment, such as dust mask, non-skid safety shoes, hard hat, and hearing protection, when used for appropriate conditions, will reduce personal injuries.
- 3) **Avoid accidental starting. Make sure that the switch is in the “OFF” position before plugging the tool into an electrical outlet.** Carrying power tools with your finger on the switch or plugging in power tools that have the power switch “ON” invites accidents.
- 4) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or key left attached to a rotating part of the power tool may result in personal injury.
- 5) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- 7) **If devices are provided for the connection of dust extraction and collection facilities, make sure that these are connected and properly used.** Use of these devices can reduce dust-related hazards.
- 8) **Use clamps or another practical way to support and secure the workpiece to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

- 9) **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the power tool in unexpected situations.
 - 10) **Keep handles dry, clean, and free from oil and grease.** Slippery hands cannot safely control the power tool.
 - 11) **Always wear safety glasses with side shields.** Everyday glasses may have impact resistant lenses, but they are not safety glasses. Following this rule will reduce the risk of eye injury.
 - 12) **Protect your lungs.** Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
 - 13) **Protect your hearing.** Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.
- #### 4. POWER TOOL USE AND CARE
- 1) **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and more safely at the rate for which it was designated.
 - 2) **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.
 - 3) **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.
 - 4) **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.
 - 5) **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.
 - 6) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - 7) **Use the power tool, accessories, blades, etc. in accordance with these instructions and in the manner intended for the particular type of power tool, 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.
 - 8) **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend them these instructions.
- #### 5. Service
- 1) Have your power tool serviced by a qualified repair person.
 - 2) When servicing a power tool, use only identical replacement parts.
 - 3) Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

ADDITIONAL SAFETY RULES FOR ROTARY HAMMER

1. Place the cord in rear of the tool, and keep it far from the saw piece.
2. Clamp work piece securely with clamping devices or a vise.
3. Swear hearing protection. Exposure to noise will cause hearing damage.
4. Operate the machine only with the auxiliary handle supplied. Missed operation will cause bodily harm.
5. If there is considerable vibration or other defects are detected in operation, stop the machine immediately and check the machine to determine the cause. Hold the insulated handle surface.
6. Hold your hammer drill firmly in both hands.
7. Do not force your hammer drill, it will do a better and safer job at the speed for which it was designed.

8. Hold tool by insulated gripping surfaces when performing an operation where the hammer drill may contact hidden wiring or its own cord.

9. Wear gloves when handling hammer bits and tool. Hammer bits and tools get hot during operation. Gloves and frequent rest periods will reduce risk of vibration damage to hands and arms.

10. Use suitable detectors to find hidden electric cables or gas and water pipes.

11. Sawdust and splinters must not be removed while the machine is running.

12. Do not pierce the motor housing as this could damage the double insulation

13. Ensure that ventilation openings are kept clear when working in dusty conditions.

14. Do not operate the tool for long time, or the quiver of the machine will hurt hands or arms.



WARNING: Some dust created by power Cutting contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints
- Arsenic and chromium from chemically reacted lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment.

STANDARD ACCESSORIES

- Auxiliary handle: 1 Pc
- Dust protection cap(1108-40DH/1108-40DEH) 1 Pc

Be sure to check the accessories as it is subject to change by areas and models.

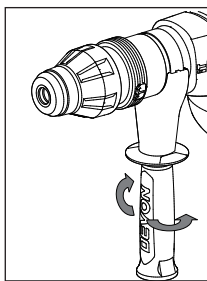
OPERATION

1 POWER SUPPLY

The power tool supply must match the nameplate date.

2. AUTOMATIC SAFETY CLUTCH.

Protects the operator and machine from the high reverse torque, which develops if the tool jams all of a sudden.



3. INSTALLING THE AUXILIARY HANDLE

Unplug the tool from the mains socket, firstly. Turn the bottom part of auxiliary handle 3 in counterclockwise direction and swivel the auxiliary handle 3 to the desired position. Then retighten the bottom part of the auxiliary handle 3 by turning in clockwise direction.

WARNING: Use the auxiliary handle supplied. Missed operation will cause bodily harm.

4. SELECTION OF TOOLS

For hammer drilling, must according to you buy tools type, use the corresponding hammer, that are inserted into the SDS drill chuck of the machine.

5. INSERTING/REMOVING HAMMER TOOL

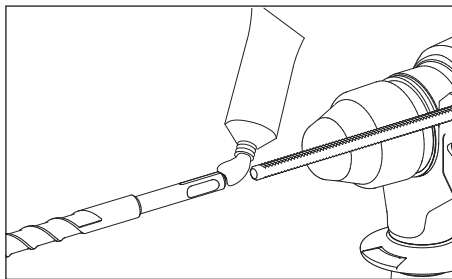
The SDS-plus tool is designed to be freely movable. This causes eccentricity when the machine is not loaded. However the drill automatically centers itself during operation. This does not affect drilling precision.

WARNING: Take care when changing tools that the dust cap is not damaged.

1) Inserting:

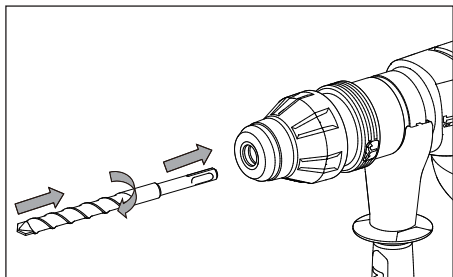
WARNING: Grease the shank end of the tool regularly.

Clean the tool before inserting and lightly grease the insertion end.



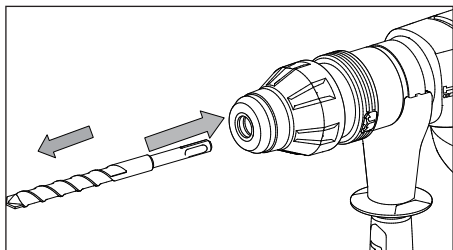
(1) For type 1108-40D and 1108-40DE use SDS-MAX hammer tools. Insert the tool with a twisting motion into the tool holder until it locks, then check the tools are correct lock into the lock.

(2) For type 1108-40DH and 1108-40DEH use SDS-Hexagon hammer tools. Need to pull back after the coat, the insert hammer, and loosen the coat. The tool locks itself. Check the locking by pulling on the tool.



2) Removing:

Pull the plastic sleeve to the rear, hold it in this position and remove the tool from the tool holder.

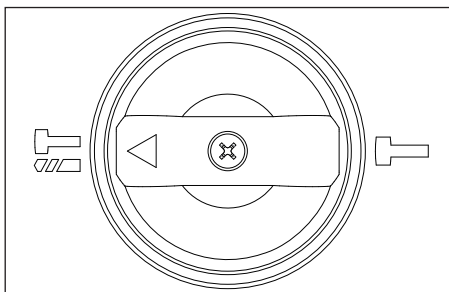


6. SET THE OPERATING MODE

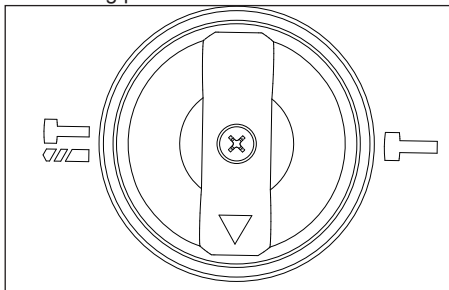
With the operating mode selector knob, select the operating mode of the machine. To change the operating mode. Turn the operating mode selector knob to the desired position until you head "click" to latch.

⚠ WARNING: Change the operating mode only when the machine is switched off! Otherwise, the machine can be damaged.

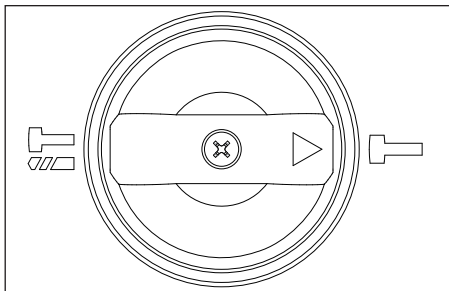
● Position for hammer drilling.



● Position for adjustment of the chiseling position.



● Position for chiseling.



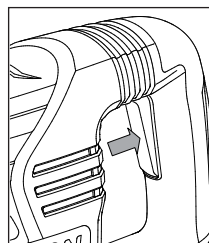
7. TRIGGER CONTROLS

⚠ WARNING: To make sure you can control the switch freely and keep it off before plugging drill.

1) Intermittence work:

Start :Pull the trigger (1)

Stop :Release the trigger (1)



APPLICATION

⚠ WARNING: To reduce the risk of explosion, before any work check the utility lines electricity, gas or water supply line are hidden in the work area.

⚠ WARNING: When working at low temperatures: The hammering mechanism begins to operate only when the tool has reached a minimum operating temperature.

Press the tip of the hammer bit briefly against the work surface while the tool is running. Repeat this procedure if necessary until the hammering reaches the minimum operating temperature.

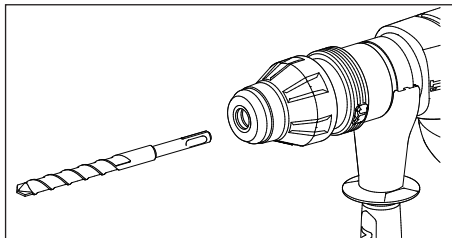
1. Hammer drilling

⚠ WARNING: For type 1108-40D and 1108-40DE use SDS-MAX hammer tools.

⚠ WARNING: For type 1108-40DH and 1108-40DEH use SDS-Hexagon hammer tools. Drilling size 22 and the following, or chiseling, must use the small dust protection cap(Φ12), ensure the gripping parts of the normal seal.

Tools without corresponding chuck and their holder and drill chuck would be damaged by hammer drilling.

Set the operating mode selector knob to position "T".

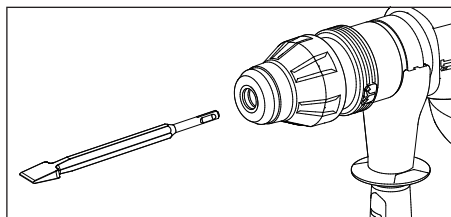


2. CHIPPING AND CHISELING

Before inserting the chisel, set the operating mode selector knob (6) to the "hammering only" T position.

Insert the appropriate chisel. To adjust the head of the chisel to the desired angle, set the operating mode selector knob (6) to the "bit rotation" O position and rotate the chisel

by hand. Return the mode selector to the "hammering only" T position.



Adjust the auxiliary handle (3) as required.

Start on the trigger (1) of tool and start working.

Hold the tool firmly with both hands, Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

3. CHANGING THE CHISELING POSITION

The chisel can be locked in 12 positions. In this manner, the optimum working position can be set for each application.

- 1) Insert the chisel into the holder.
- 2) Turn the mode selector switch 1 to the position (see "Setting the Operating Mode")
- 3) Turn the tool holder to the requested chiseling position.
- 4) Turn the mode selector switch 1 to the chiseling position. The tool holder is now locked.

⚠ The mode selector switch 1 must always be locked in the "Chiselling" position when chiseling.

4. SETTING THE SPEED/IMPACT RATE

For type 1108DH and 1108DEH tools, the constant electronic control keeps the preselected speed and impact rate nearly constant between no-load and load conditions.

5. OVERLOAD CLUTCH

If the tool insert becomes caught or jammed, the drive to the drill spindle is interrupted. Because of the forces that occur, always hold the power tool firmly with both hands and provide for a secure stance.

If the power tool jams, switch the machine off and loosen the tool insert. When switching the power tool on with the drilling tool jammed, high

reaction torques can occur.

6. VIBRATION DAMPER

The integrated vibration damper reduces occurring vibrations.

The soft grip handle increases the safety against slipping off and thus provides for a better grip and handling of the power tool.

TOOL MAINTENANCE



WARNING: Before any work on the machine itself, unplug the saw from the power source.

1. Inspect bolts periodically. If the bolts loosen, tighten them immediately, or will result in serious accident.
2. Inspect tool cords periodically. The cord is special prepared, if damaged, have repaired at your nearest Authorized **DEVON** Service Center. This tool was used with the power cord as a particular structure, don't replace the power cord without authorization, such as replacement, please go to the Authorized **DEVON** Service Center.
3. Keep the vents clean. Clean all parts of the tool, clean dust periodically. To prevent debris from entry.
4. Replace the carbon brush when the carbon brush is worn out in certain length and motor stops running. All maintenance should be carried Out by Authorized **DEVON** Service Center.
5. All service **MUST** only be performed by Authorized **DEVON** Service Center. **ALWAYS** use only **DEVON** accessories that are recommended for this tool.

6. Cleaning. Avoid the use of plastic cracks caused by damage to the solvent. Use clean cloths and mild soap to remove dirt, dust, etc.
7. Avoid the tool vibration or impact, and keep it from oil and grease

WARNING: Do not allow the water entering the motor and the tool full immersed in the ware, which will result in motor malfunction and electric shock.

Replaceable parts list :

No	Part No	Part Name	QTY
1	4810002000	Power Cord & Plug	1
2	2800187000	Carbon Brush	2

ENVIRONMENT PROTECTION



1. Tool, accessories and packaging should be sorted for environment-friendly recycling.
2. Power tools and accessories at the end of their service life still contain large amounts of valuable raw materials and plastics which can likewise be fed back into a recycling process.
3. Some dust created by working contains harmful chemicals must be collected by special garbage re- cycle site.

SERVICE

1. In case of guarantee, repair or purchase of replacement parts, always contact the qualified service center. And supplied with the efficient service card and invoice.
2. It is without the scope of guarantee when the tool was normal wear, overload or improper use of damage.

Trouble Shooting

Trouble	Possible cause	Possible solution
1. Motor stops running	1. Unconnected to power source	1. Connect to power source
	2. Plugs not fully connect	2. Check all plugs
	3. Switch out of work	3. Replace or repair the switch
	4.Brushs not touch the commutator	4. Replace the brush with a new one
2. Drill bit doesn't rotate.	1. Function selector switch not engaged.	1. After rotation has stopped, move the function selector switch until it engages.
3. No hammering action and the tool wobbles.	1. The tools is too cold	1. Allow tool to reach the minimum operating temperature
4. Tool doesn't produce full power	1. Control switch is not pressed fully	1. Press the control switch as far as it will go

POWER, IN YOUR HANDS

POWER, IN YOUR HANDS

POWER, IN YOUR HANDS

保修卡

Warranty Card

合格证 PRODUCT CERTIFICATION	
制造商: 南京德朔实业有限公司 地址: 江苏南京江宁经济技术开发区将军大道159号 销售商: 泉峰(中国)工具销售有限公司	检验员 

全国统一售后服务电话
400-828-9076

重要提示

机身铭牌上的9位编码是厂家判断机器真伪及提供售后服务的重要凭证, 如您购买了编码无法辨识的机器, 可能无法得到厂家正常的保修服务

保修服务说明:

- 工具需要维修时, 请送至当地大有授权维修中心或寄至泉峰售后服务部, 产品保修期以购机发票/收据原件上的日期起算。
- 仅对存在质量缺陷的产品给与免费维修或免费换新, 其前提是经大有授权维修中心证明其故障是由于材料或制造缺陷所造成的, 并处于保修期内。
- 保修期及保修条款根据工具类别而定:
 1. 交流工具:
 - 1.1. 整机保修6个月或者转子换向器直径磨损量在0.2毫米以内, 以先到为准。
 2. 直流工具:
 - 2.1. 12V产品: 机身保修12个月, 电池、充电器为12个月内包换。
 - 2.2. 14V以上产品: 机身保修6个月, 电池、充电器为6个月内包换。
 3. 光电工具:
 - 3.1. 激光测距仪: 保修24个月。
 - 3.2. 其他光电产品: 保修12个月。
- 保修不包括:
 1. 任何自然磨损以及正常使用时所发生损耗, 如气缸、齿轮、O形圈、转子换向器直径磨损量超过0.2毫米、碳刷、轴承、开关、电子线路板、电源线等。
 2. 由于不遵守操作说明、不正确使用、异常的环境条件、不当的操作条件、过载或缺乏足够的维护和保养所导致的工具故障。
 3. 自行或非大有授权维修点拆修的所导致的工具故障。
 4. 由于使用非原装大有配件而引起的缺陷。
 5. 经过改装或增加部件的工具。
 6. 随机附送的配件或者附件。
- **Quark**系列产品定位于家庭DIY用户, 不能用于任何商业目的场合。如有违反, 厂家将不提供保修服务。
- 具体保修明细可查询大有官网: www.devon.com.cn

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请您与 **DEVON 大有** 特约维修中心联系。

售后服务官方QQ: 3051884030

售后服务邮箱: devon-afterservice@chervon.com.cn

售后服务咨询电话: 025-52786697、025-87159105

售后服务地址: 江苏省南京市江宁区将军大道159号，
德朔工业园，泉峰（工具）中国销售有限公司，
售后服务部

售后件寄回收件人: 客服1号

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中国南京江宁经济技术开发区将军大道159号，211106

电话：025-52786697 传真：025-52788663

网址：www.devon.com.cn



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400-828-9076

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版次：13 发行日期：2017-4-10

DEVON®大有

中国南京江宁经济技术开发区将军大道159号

制造商：(外商独资)南京德朔实业有限公司

No.159 Jiang-Jun Rd., Nanjing Jiangning
Economic & Technical Development Zone.

Nanjing 211106, P.R.China

Tel: +86-25-52786666

Fax: +86-25-52127140

Http:// www.devon.com.cn