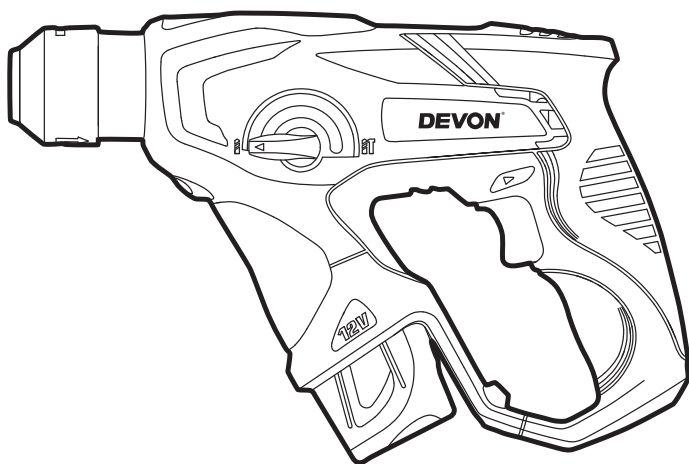


DEVON[®] 大有

型 号：1702-Li-12-10RE



中国 锂电电锤

GB Lithium-ion Cordless
Rotary Hammer

各产品外观之间可能存在差异，请以实物为准

专业电动工具

PROFESSIONAL TOOLS

大有工具 “劲”在掌握

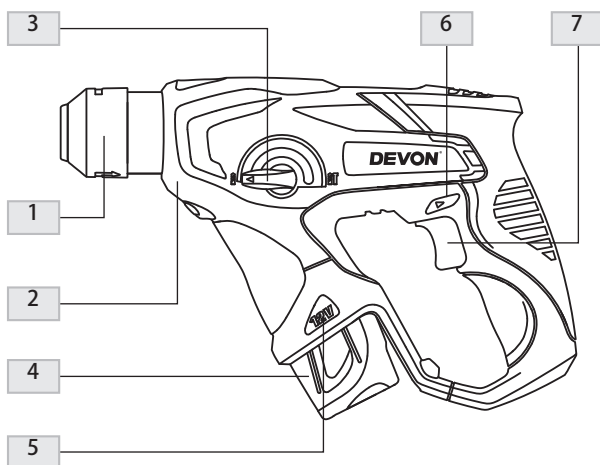
工具简介



该工具可在混凝土、砖墙及石材上进行振动作业。同样也可使用本工具在木材、金属、陶质材料及塑料上钻孔(无振动功能的正常钻)。不可将本工具及其充电器用于其它功能。本工具不支持除说明书中介绍的以外的功能。


1、操作控制

1702-Li-12-10RE




- | | |
|-----------|------------|
| 1、 外套 | 5、 蓄电池释放按钮 |
| 2、 照明/指示灯 | 6、 正反转按钮 |
| 3、 功能选换旋钮 | 7、 起停开关 |
| 4、 蓄电池 | |

2. 工具规格

型号	1702-Li-12-10RE
额定电压（伏）	12 
空载转速（/ 分钟）	0-900
最大钻孔直径	
木头（毫米）	10
金属（毫米）	8
混凝土（毫米）	10
重量（公斤）	1.4
蓄电池类型	锂蓄电池
充电电压（伏）	220-240 ~
电池电压（伏）	12
可充电温度范围（摄氏度）	5-40

注：为求改进，本说明书所载规格可能不预先通告而给予更改。

安全操作须知

 **警告：**没有按照以下列举的说明而使用或操作将导致触电、着火和 / 或严重伤害。保存这些说明。在所有以下列举的警告中术语“电动工具”指市电驱动（有线）电动工具或蓄电池驱动（无线）电动工具。

保存这些说明

1. 工作场地

- 1) 保持工作场地清洁和明亮。混乱和黑暗的工作地会引发事故。
- 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。分心会使您放松而失去控制。

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触电危险。
- 2) 避免人体接触接地表面，如管道、散热片和冰箱。如果您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。绝不用电线搬运、拉动电动工具或拔出其插头。让电动工具远离热、油、锐边或运动部件。受损或缠绕的电线会增加触电危险。
- 5) 当在户外使用电动工具时，使用适合户外使用的外接电线。适合户外使用的电线将减少触电危险。

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。切勿在有疲倦、药物、酒精或治疗反应下操作电动工具。在操作电动工具期间精力分散会导致严重人身伤害。
- 2) 使用安全装置。始终配戴护目镜。安全装置，诸如适当条件下的防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。

- 3) 避免突然起动。确保开关在插入插头时处于关断位置。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饰品。让您的头发、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您工作更有效、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 / 或将蓄电池盒脱开电源。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。检查运动件的安装偏差或卡住、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) 按照使用说明书以及打算使用的电动工具的特殊类型要求的方式，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、 电池工具使用和注意事项

- 1) 只用制造商规定的充电器充电。将适用于某种电池盒的充电器用到其他电池盒时会发生着火的危险。
- 2) 只使用电动工具配套的蓄电池。使用其他电池盒会发生损坏和着火的危险。
- 3) 当电池盒不使用时，将它远离金属物体，例如回形针、硬币、钥匙、螺钉或其他小金属物体，以防一端与另一端连接。电池端部短路会引起燃烧或火灾。
- 4) 在滥用条件下，液体会从电池中溅出；避免接触。如果液体碰到了眼睛，还要寻求医疗帮助。从电池中溅出的液体会发生腐蚀和燃烧。

6、 维修

- 1) 将您的电动工具送交专业维修人员，必须使用同样的备件进行更换。这样将确保所维修的电动工具的安全性。

蓄电池使用注意事项

1. 安装蓄电池前，先确定开关是否位在关闭的位置，正逆转开关是否位于中间位置，以防意外地开动电动工具。提携电动工具时如果把手指按在起停开关上，或者安装蓄电池时未关闭电动工具，都可能造成工作意外。
2. 切勿打开蓄电池。可能造成短路。
3. 蓄电池必须远离高温，例如长期的日晒和火焰等。有爆炸的危险。过度使用或高温情况下，蓄电池可能有渗漏出现。
4. 如果蓄电池坏了，或者未按照规定使用蓄电池，蓄电池中会散发有毒蒸汽。工作场所必须保持空气流通，如果身体有任何不适必须马上就医。蓄电池散发的蒸汽会刺激呼吸道。
5. 损坏的蓄电池会渗出液体，并且污染其它的零件。检查被污染的零件。清洁这些零件，必要时得换新零件。
6. 本蓄电池只能配合**DEVON**的电动工具一起使用。这样才能保证蓄电池不会过载。
7. 仅与所提供的配套的充电器5307系列一起使用。使用其它型号的充电器可能会导致火灾。
8. 不要撞击或损坏电池，不要使用被撞过或者

损坏的电池。使用损坏的电池会导致爆炸。迅速处理损坏的电池。

9. 不要在潮湿或者雨中充电。按此做法可减少触电的危险。

充电器使用注意事项

1. 充电器必须远离雨水或湿气。如果让水渗入机器中，会提高产生电击的危险。
2. 不可以使用本充电器为其它厂牌的电池充电。如未按照规定使用机器可能引起火灾甚至有爆炸的危险。
3. 充电器必须保持清洁。如果充电器上囤积污垢容易导致电击。
4. 使用前必须检查充电器、电线和插头。如果发现故障则不可继续使用机器。不可擅自拆开机器。机器只能交给合格的专业电工修理，并且只能换原厂零件。损坏的充电器、电线和插头会提高使用者遭受电击的危险。
5. 充电时不可把充电器放置在易燃的物品（例如纸，纺织品等）上，也不可以在易燃的环境中使用充电器。充电时机器会变热，如果在上述状况下使用机器容易酿造火灾。
6. 使用电源电压必须与充电器上标明的电压规格一致。
7. 维护或清洁充电器时，务必将其从插座上拔下来，按照这种做法可以减少触电的危险。
8. 充电器不使用时将其从插座上拔下来，这样做可以减少触电的危险，或防止钢铁质物掉进开口，损坏充电器。
9. 防止触电。不要碰触不绝缘的输出连接部分或不绝缘的电池接线端。

锂电电锤使用注意事项

1. 使用合适的侦测器，以便找出隐藏着的电源线的位置。或者向当地供电单位索取相关资料。钻穿电线会造成火灾并遭受电击。损坏瓦斯管会引起爆炸。如果水管被刺穿了会导致财务损失。
2. 如果安装在机器上的工具被夹住了，必须马上关闭电动工具并保持锁静。此时机器会产生极高的反应力矩，并进而造成回击。当以下情况时，安装在机器上的工具容易被夹住：

—电动工具超荷了

—安装在机器上的工具在工件中歪斜了。

3. 安装在机器上的工具可能割断隐藏的电线，一定要握住绝缘手柄操作电动工具。电动工具如果割断了带电的电线，机器上的金属部件会导电，并进而导致操作者触电。
4. 务必握紧电动工具。在拧紧和放松螺钉时，可能出现短暂的强大的反击。
5. 固定好工件。使用固定装置或老虎钳固定工作，会比用手持握工件更牢固。
6. 工作场所必须保持清洁。不同的工作尘经过混合后容易产生化学反应，十分危险。轻金属尘容易着火或引起爆炸。
7. 等待电动工具完全静止后才能够放下机器。机器上的工具可能在工作中被夹住，而令您无法控制电动工具。
8. 本电动工具只能与5120系列锂电池一起使用。
9. 勿将电池包当作榔头使用，敲击电池包会导致意外的短路，起火或爆炸。



锂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。

配备

- 充电器
- 蓄电池

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. 为蓄电池充电

请在室内充电。只能使用该电动工具配套的蓄电池及充电器。

蓄电池在交货时只完成部分充电。首度使用电动工具之前，必须先充足蓄电池的电以确保蓄电池的功率。

可以随时为锂电池充电，不会缩短电池的使用寿命。如果充电过程突然中断，也不会损坏电池。

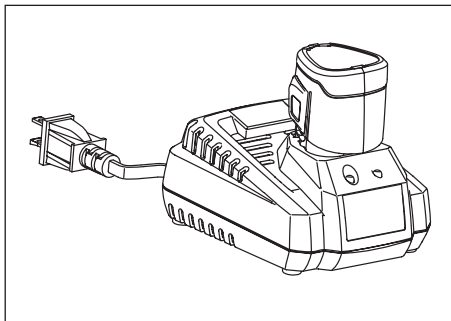
注意：电动工具被关闭后，切勿继续按住开关。

可能损坏电池。

按下位于电池两侧的解锁键5，向下抽出蓄电池4。切勿强行拉出蓄电池。

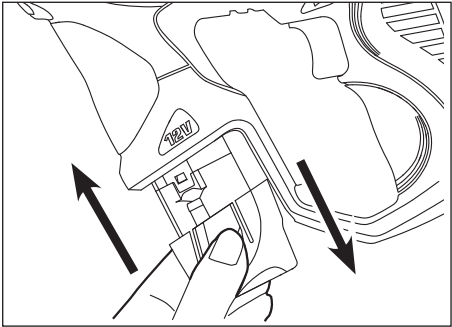
蓄电池上安装了NTC温度监控装置。当温度位在摄氏5到40度间时，才能进行充电。所以能够大大地延长蓄电池的使用寿命。

请注意有关作废处理的规定。



指示灯	蓄电池	红色指示灯	绿色指示灯	方法
高/低温度 (见说明书)	高/低温度电池	亮	不亮	当电池冷却到5°C - 40°C之间开始充电
电池有故障	有故障	闪	不亮	电池或充电器故障
正在充电	正在充电	不亮	闪	正在充电
充电完成	充电完成	不亮	亮	充电完成

3. 安装/拆卸蓄电池

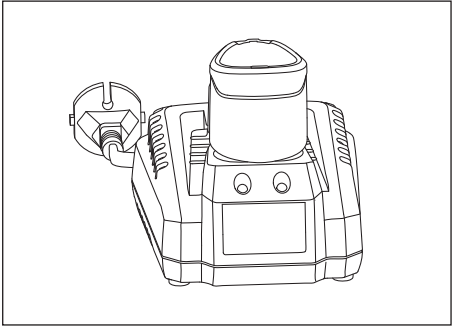


拆卸蓄电池，按位于蓄电池两侧的电池释放按钮，将蓄电池从机器中取出。

安装蓄电池，将蓄电池上突出的肋与机器底部的凹槽对齐，再将蓄电池插在机器上。

确保蓄电池上的闭锁“咯咯”锁定并在操作前确认蓄电池安全地装置在机器上。

4. 为蓄电池充电



重要: 在将蓄电池插入充电器前，确保充电器从供电电源拔出。

蓄电池在交货时只完成部分少量充电。首次使用工具之前，需给蓄电池充电。

确保供电电源电压和充电器上标示一致。

将充电器插头插入电源插座，将蓄电池上突出的肋与充电器的插槽对齐。

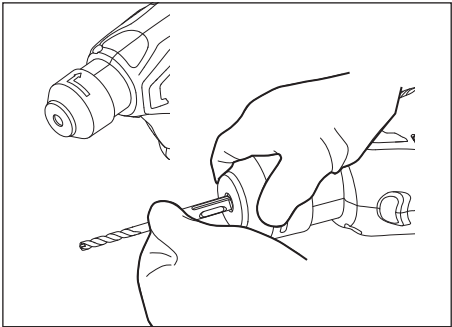
将蓄电池插入充电器内。充电器与蓄电池交流，评估蓄电池的充电情况。


充电时，蓄电池和充电器会稍许发热，这是正常现象。

如果想要连续充2个蓄电池，将充电器从充电电源拔出，两次充电间需要至少间隔15分钟。

不使用时，将充电器从充电电源拔出。

5. 安装钻头



 **警告：**手持或安装钻头时，需要佩戴坚硬的手套，因为这些钻头非常锋利。

6. 安装SDS钻头

- 1) 先清洁钻头然后再安装，建议在钻头柄的末端涂抹少许油脂；
- 2) 旋转钻头将其插入外套夹头直至能够清楚地听到卡牢声响为止；

3) 此时钻头已经自动锁定。但仍要抽拉钻头检查其是否已经正确套紧。

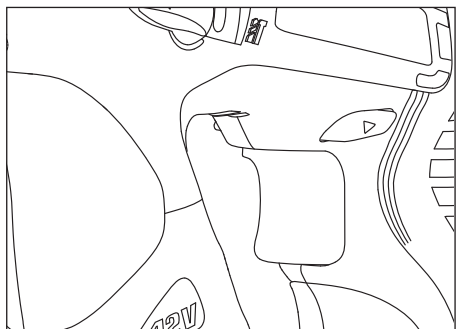
拆卸钻头时，握住外套往回拉，移去钻头，松开外套。

7. 安装高速钢麻花钻头/螺丝批头/转接头

顺时针旋转外套90度以适应钻头，握住外套往回拉，拉住不放，直到钻头安装在钻头夹持器上。

拆卸钻头，顺时针旋转外套90度，握住外套往回拉，拉住不放，移去钻头，松开外套。

8. 改变转向



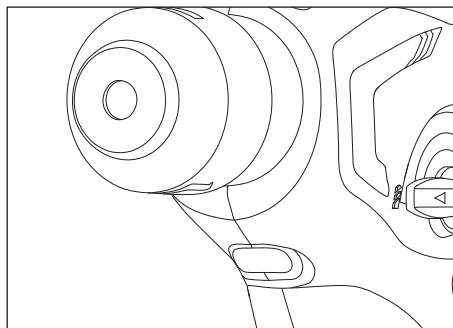
把正逆转开关向右推到底正转（顺时针转）。

把正逆转开关向左推到底反转（逆时针转）。

防止损坏齿轮，改变转向前，使机器完全停止转动。

把正反转按钮正调整到中央位置，不能启动机器。

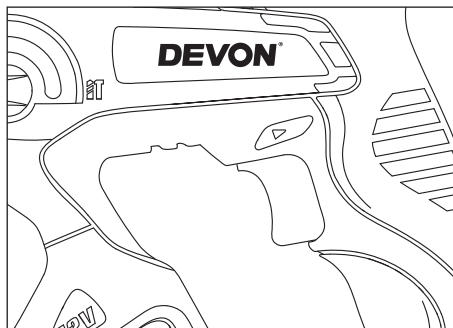
9. 照明/指示灯



照明/指示灯可以在按下开关点亮。在照明状况不佳的环境中可以借此照亮操作位置。

按下起停开关后，照明/指示灯快速连续的闪烁，表明蓄电池电量即将耗尽，需要给蓄电池充电。

10. 启动充电电锤




按起停开关启动该机器。机器达到全速后开始钻孔。

钻孔结束，松开起停开关，待钻头完全停止转动后放下机器。

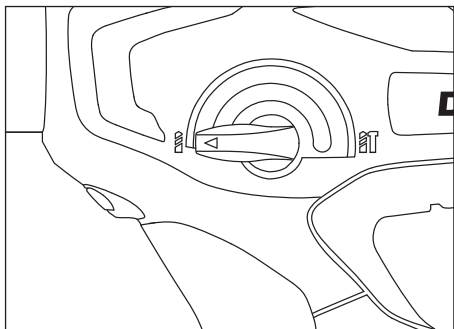
该机器有一调速开关，按压调速开关越用力，转速越快，扭矩越大。转速取决于按压起停开关的力度。

该调速功能用于拧螺钉。它使用户可以根据特殊的应用需求选择最适合的转速。

注意：建议只在短时间内使用该调速功能。不要连续变速操作机器，这样会损坏开关。

 **警告：**当周围温度低于0摄氏度且启动机器后没有冲击功能时，使用前，启动机器空载运转2-3分钟。

11. 设定操作功能



警告：必须先关闭机器之后才能够选换功能！否则会损坏机器，甚至给操作者带来伤害。转动功能选换旋钮至需要的功能图标位置，选择需要的功能。

12. 拧螺钉

安装正确的螺丝批头。
确保功能选换旋钮被设定在钻模式上。
根据实际操作，使用适当的转速，开始轻轻按压起停开关。
握紧机器并完全控制机器后，增加转速。
施加适当的压力以防批头在旋转中脱离螺帽。螺帽很容易受损，导致很难移出或拧紧。

13. 钻孔

若要钻大直径孔，最好是用小点的钻头先钻个小孔，然后逐步扩大孔径至需要的尺寸。这样做，可防止机器过载。
若钻头被堵住，立即关闭机器，否则会损坏机器。可以通过反转拆卸钻头。
将机器与孔对齐，理想情况下，钻头应该是垂直钻入工件。在钻孔过程中，如果角度发生改变，可能导致钻头损坏孔并且造成伤害。
当钻头快要穿透工件时，减少施压。
不可强行按压机器，让机器自行工作。
保持钻头锋利。

14. 钻木料

为了达到最佳的作业效果，在钻木料时请使用麻花钻头或木工钻头。
将机器设定在钻模式。

以一个较慢的速度开始钻孔作业以免钻头从起始点滑脱。当钻头钻进材料中时再增加速度。当要钻通的时候，在工件的后面放置一段垫板以防止钻通的孔炸裂。

15. 钻金属

为了达到最佳的作业效果，钻金属时请使用高速钢钻头。
将机器设定在钻模式。
使用中心冲在工件上标出圆孔的中心。
在钻头上涂些轻油以防止钻头过热。涂上的轻油会延长钻头的寿命并提升钻孔效果。
以一个非常慢的速度开始钻孔以防止钻头从起始点滑脱。
夹紧钢板。
用一块木块垫在薄钢板上以防钢板在钻的过程中变形。

16. 钻石材


为了达到最佳的作业效果，在砖块、瓷砖、水泥等材料上钻孔时请使用硬质合金钻头。
起初先用钻模式先钻孔，一旦孔钻好了切换到锤击模式。
在瓷砖上钻孔时，先在一废弃的瓷砖上试一下，从而决定最佳的转速和施加的力度。
注意：冲击钻工作时切换转向可能损坏机器和钻头。

实际应用

警告：确定电动工具已经关闭了，才可以把电动工具顶在螺丝头上。转动中的起子头容易从螺丝头上滑开。
检查正逆转开关6被调整在正确的位置(左或右)，握紧机器，并将钻头放在需要加工的物件上，施加适当的压力，确保钻头的切割功能。不要按压电锤，不要从旁边用力压电锤。
注意：一旦发现钻头卡在加工件里面，立即关闭开关，停止机器转动，取出钻头，检查原因并维修完好后继续工作。

工具维护保养

- 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，切勿擅自更换电源线，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、 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。
- 5、 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。
- 6、 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！

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，同样可以进行回收。
- 3、 磨屑或切割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

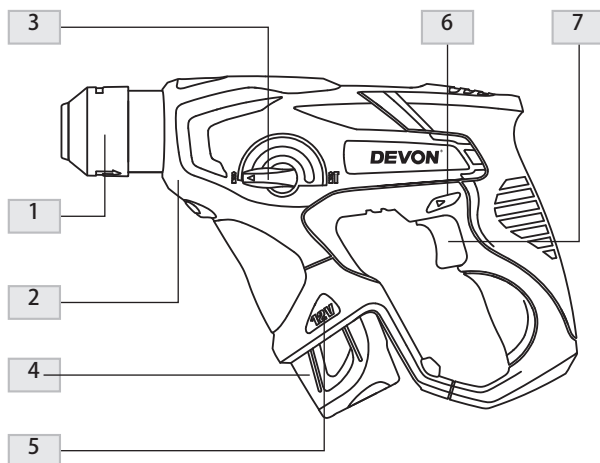
OPERATING CONTROL



The machine is designed for hammer drilling in concrete, brick and stone. It is likewise suitable for drilling without hammer in wood, metal, ceramic, plastic and chiseling. Do not use machine, tools and chargers for works other than those for which they are designed for! All other applications are expressly ruled out.


1. MAIN PARTS

1702-Li-12-10RE




1. Locking sleeve
2. LED worklight
3. Function selector
4. Battery pack
5. Battery release button
6. Forward/reverse switch
7. On/off trigger switch

2. TOOL SPECIFICATIONS

Model	1702-Li-12-10RE
Motor(V)	12 
No-load speed(/min)	0-900
Drilling capacity	
in wood(mm)	10
in metal(mm)	8
in concrete(mm)	10
Weight (kg)	1.4
Battery type	Lithium-Ion
Charger input (V)	220-240~
Battery voltage (V)	12
Allowable temperature range(℃)	5-40

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

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.

SAVE THESE INSTRUCTIONS

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.

1. Workplace

- 1) **Keep workplace clean and well lit.** Cluttered and dark workplaces invite accidents.
- 2) **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.
- 3) **Keep children and bystanders away while operating a power tool.** Distractions can 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 earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2) **Avoid body contact with earthed or grounded surfaces such as conduits, radiators, and refrigerators.** There is an increased risk of electric shock if your body is earthed or 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 cord away from heat oil, sharp edges 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.

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 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.
- 2) **Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 3) **Avoid suddenly starting. Ensure the switch is in the off position before plugging in.** When your finger on the switch or plugging in power tools that have the switch on invites accidents.
- 4) **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.
- 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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- 7) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.

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 safer at the rate for which it was designed.
- 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 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 tools 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 and tool bits 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.

5. Battery tool use and care

- 1) 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.
- 2) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- 3) 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.

4) 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

- 1) 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 RULES FOR BATTERY PACK

- 1. Avoid unintentional switching on, ensure the on/off switch is in the off position before inserting battery pack.** Carrying the power tool with your finger on the on/off switch or inserting the battery pack into power tools that have the switch on invites accidents.
- 2. Do not open the battery.** Danger of short-circuiting.
- 3. Protect the battery against heat, e.g., also against continuous sun irradiation and fire.** There is danger of explosion.
- 4. In case of damage and improper use of the battery, vapors may be emitted. Provide for fresh air and seek medical help in case of complaints.** The vapors can irritate the respiratory system.
- 5. When the battery is defective, liquid can escape and come into contact with adjacent components. Check any parts concerned.** Clean such parts or replace them, if required.
- 6. Use the battery only in conjunction with your DEVON power tool.** This measure alone protects the battery against dangerous overload.
- 7. Only use charge the battery with the charger No.5307 series together.** Use with other type of charger may result in a fire.
- 8. Do not crush, drop or damage the battery pack.** Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to

explosion. Properly dispose of a dropped or damaged battery immediately.

9. Do not charge a battery tool in a damp or wet location. Following this rule will reduce the risk of electric shock.

SAFETY RULES FOR CHARGER

1. **Protect the battery charger from rain and moisture.** Water penetration in a battery charger increases the risk of electric shock.

2. **Do not charge other batteries.** The battery charger is suitable only for charging DEVON lithium-ion batteries within the listed voltage range. Otherwise there is danger fire and explosion.

3. **Keep the battery charger clean.** Contamination may increase the risk of electric shock.

4. **Before using, always check the charger, cable and plug. If defects are detected, do not use the charger; never open the charger. Instead, have it opened and repaired only by qualified personnel who will use original spare parts.** Damaged chargers, cables and plugs increase the risk of electric shock.

5. **Do not operate the charger on easily inflammable surface (e.g. paper, textiles, etc.) or combustible surroundings.** The heating of the charger during charging may cause a fire.

6. Plug the charger within the listed voltage range on the charger.
7. Unplug the charger from the electrical outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.

8. Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening.

9. Risk of electric shock. Do not touch the un-insulated portion of output connector or un-insulated battery terminal.

ADDITIONAL SAFETY RULES FOR TOOL

1. **Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage.

2. **Switch off the power tool immediately when the tool inserts jams. Be prepared for high reaction torque that can cause kickback.** The tool insert jams when:

- the power tool is subject to overload or
- it becomes wedged in the workpiece.

3. **Hold the power tool only by the insulated gripping surfaces, when performing an operation where the cutting tool may run into hidden wiring.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

4. **Hold the power tool with a firm grip.** High reaction torque can briefly occur while driving in and loosening screws.

5. **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.

6. **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.

7. Always wait until the power tool has come to a complete stop before placing it down. The tool insert can jam and lead to loss of control over the power tool.

8. The tool can only be used with battery No.5120 together.

9. Never use the battery pack as a hammer, beat the battery pack could result in accident short, fire or explode.



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
- Arsenics 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.

ACCESSORIES

- Charger
- Battery pack

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

OPERATION

1. BATTERY CHARGING

Please Indoor charging.

Use only the battery chargers listed on the accessories page. Only these battery chargers are matched to the lithium-ion battery of your power tool.

The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the battery in the battery charger before

using your power tool for the first time.

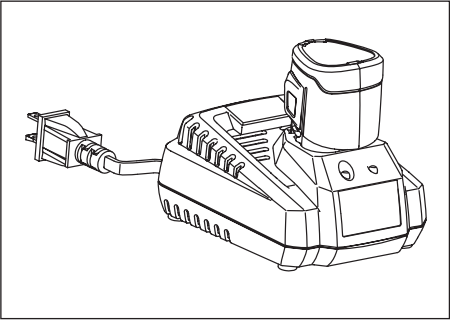
The lithium-ion battery can be charged at any time without reducing its service life. Interrupting the charging procedure does not damage the battery.

⚠ WARNING: Do not continue to press the on/off switch after the machine has been automatically switched off. The battery can be damaged.









To remove the battery4, press the battery release button 5 and pull out the battery downwards. **Do not exert any force.**

The battery is equipped with an NTC temperature control which allows charging only within a temperature range of between 5°C and 40°C. A long battery service life is achieved in this manner.

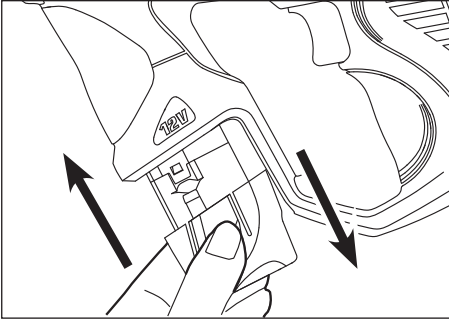
Observe the notes for disposal.



2. LED FUNCTIONS OF CHARGER

LED INDICATOR	BATTERY PACK	RED LED	GREEN LED	ACTION
 HI/LO TEMP. (SEE MANUAL) 	Hot/Cold battery	On	Off	Charging will begin when battery returns to 5°C-40°C
 DEFECTIVE BATTERY 	Defective	Flashing	Off	Battery pack or Charger is defective
 BATTERY CHARGING 	Charging	Off	Flashing	Charging
 BATTERY FULL 	Fully charged	Off	On	Charging is complete Maintenance charging

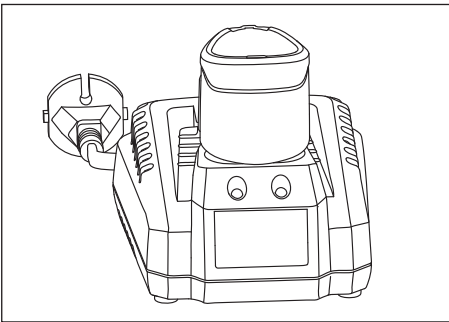
3. Removing and inserting the battery pack



To remove the battery pack from the tool, depress the battery release button located on either side of the battery pack, and pull the battery pack out and remove it from the tool.

To insert the battery pack, align the raised rib on the battery pack with the grooves of the tool, and then attach the full charged battery pack to the tool. Make sure that the latch on the battery pack snaps into place and the battery pack is secured to the tool before beginning operation.

4. Charging the battery pack



IMPORTANT: Always ensure that the charger is unplugged from the power supply before inserting the battery pack into the charger.

The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.

Make sure that the mains voltage is the same as the rating on the charger.

Connect the charger to a power supply, and then align the raised ribs of the battery pack with the slot in the charger.

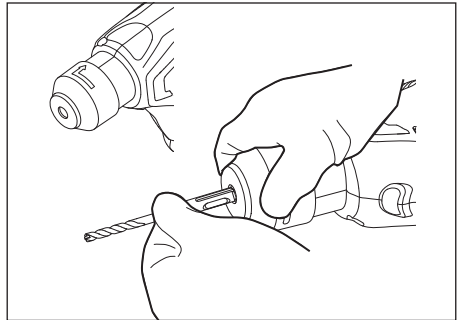
Insert the battery pack into the charger. The charger will communicate with the battery pack to evaluate the condition of the battery pack.

The battery pack and charger will become slightly warm to the touch while charging. This is normal and does not indicate a problem.

If you wish to charge two battery packs in succession, unplug the charger and allow at least 15 minutes between charges.

Always disconnect the charger from the power source when it is not in use.

5. To install the bit



⚠ WARNING: Always wear sturdy gloves when handling or changing drill and chisel bits as they can be very sharp.

6. For SDS drill bit

- 1) Clean the shank end of the bit and apply a light coat of grease;
- 2) Insert the SDS drill bit into the tool holder with a turning motion until it automatically locks;
- 3) Check the locking effect by pulling the SDS drill bit.

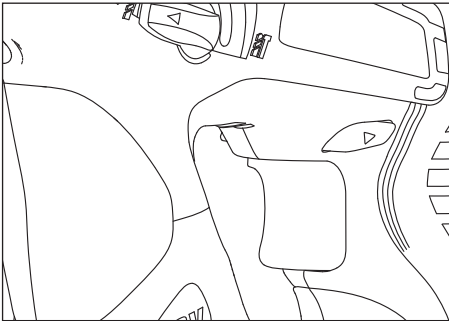
To remove the SDS drill bit, Push the locking sleeve toward the rear and pull out the bit.

7. For HSS twist drill bit, screwdriver bit and bit holder

To fit the bit, rotate the locking sleeve clockwise for about 90°, pull back the locking sleeve and hold it, push and rotate the bit into the bit holder as far as it will go.

To remove the bit, rotate the locking sleeve clockwise for about 90°, pull back the locking sleeve and hold it, remove the bit, and release the locking sleeve.

8. Forward/reverse adjustment

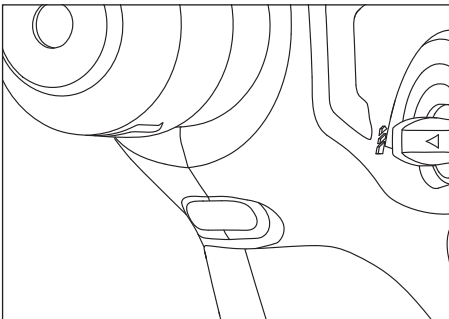


For forward (clockwise) rotation, push the forward/reverse switch to the right position.

For reverse (counterclockwise) rotation, push the forward/reverse switch to the left position as shown. Although an interlock prevents reversing the tool while the motor is running, allow it to come to a full stop before reversing.

If forward/reverse switch is on the central position, the tool cannot be switched on.

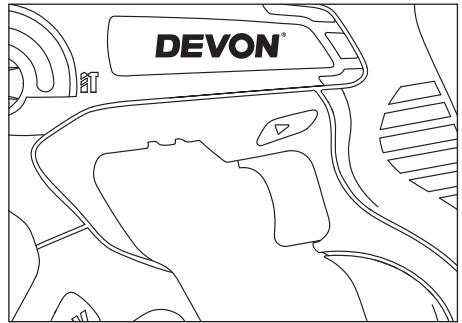
9. LED worklight



The tool has an LED light to illuminate the work area and improve vision when working in areas with insufficient light. The LED light will switch on automatically while the trigger switch is depressed.

If the LED worklight begins to rapidly and continuously flash when the switch on the tool is depressed, the battery-pack power has run out, and the battery pack should be recharged.

10. Start cordless hammer



Squeeze the trigger switch to start the tool. And allow the tool reaches full speed before beginning drilling.

After completing your drilling, release the trigger switch, allow the bit to come to a complete stop before setting the tool down.

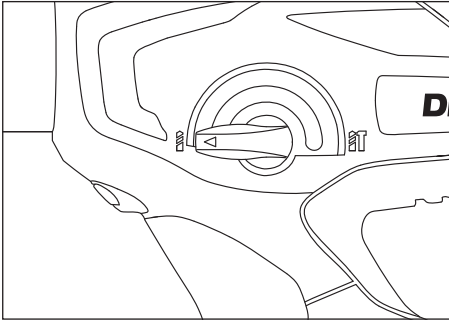
This tool has a variable speed switch that delivers higher speed and torque with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.

The variable speed feature is particularly useful when driving screws. It also enables you to select the best speed for a particular application.

NOTE: It is recommended to use the variable speed feature for a short time only. Do not continuously operate the tool at different speeds. It may damage the switch.

WARNING: Please start the tool for 2-3 minutes first before use, while the temperature is below zero and there is no impact phenomenon after you turn on the tool.

11. Selecting the required function



⚠ WARNING: Do not attempt to change the position of the selectors when the motor is running. Doing this will cause serious damage to the tool and possible injury to the operator.

It is possible to use the hammer drill in two different modes.

To select the required mode of operation, turn the selector to the positions indicated.

12. Screw driving

Install the correct driver bit.

Ensure that the drill/ hammer selection knob is set to drill mode.

Use the correct speed for the job and apply minimal pressure to the trigger initially.

Only increase the speed when full control can be maintained.

Keep sufficient pressures on the drill to prevent the bit turning out of the screw head. The screw head can easily become damaged making it difficult to drive it home or even remove it.

13. Hole drilling

When attempting to drill a large diameter hole, it is sometimes best to start with a smaller drill bit then work up to the required size. This prevents overloading the drill.

If the drill bit snags, switch off immediately to prevent permanent damage to the drill. Try running the drill in reverse to remove the bit.

Keep the drill in line with the hole. Ideally, the drill

bit should enter at right angles to the work. If the angle is changed during drilling, this could cause the bit to snap off blocking the hole and perhaps causing injury.

Reduce pressure as the drill is about to break through the item being drilled.

Don't force the tool, let it work at its own pace.

Keep the bit sharp.

14. Drilling wood

For maximum performance when drilling larger holes, use auger bits or spade bits for wood drilling.

Set the tool to the drill mode.

Begin drilling at a very low speed to prevent the bit from slipping off the starting point. Increase the speed as it bites into the wood.

When drilling through holes, place a block of wood behind the work piece to prevent ragged or splintered edges on the back of the hole.

15. Drilling metals

For maximum performance, use HSS drill bits for metal drilling.

Set the tool to the drill mode.

Mark off the centre of the hole using a centre punch.

Use a suitable lubricant for the material you are working on.

Begin drilling at a very low speed to prevent the bit from slipping off the starting point.

Always clamp sheet metal.

Support thin metal with a block of wood to avoid distorting it.

16. Drilling masonry

For maximum performance, use high quality carbide-tipped masonry drill bits when drilling holes in brick, tile, concrete etc.


Use the drilling setting initially then revert to the

hammer action once the holes are established.


When drilling holes in tile, practice on a scrap piece to determine the best speed and pressure.

NOTE: reverse rotation during impact drilling may damage the tool and drill bit.

TOOL MAINTENANCE

 **WARNING:** Before any work on the machine itself, remove the battery pack from the drill.

1. Inspect bolts periodically. If the bolts loosen, tighten them immediately, or will result in serious accident.
2. Inspect tool cords periodically. If damaged, have repaired at your nearest Authorized 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 Service Center, and only use identical DEVON repair parts.
5. All service **MUST** only be performed by Authorized Service Center. **ALWAYS** use only 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.

 **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.

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.

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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如有 **DEVON 大有** 牌电动工具产品需要维修、保养和咨询服务，
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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