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GBC18V-32PS

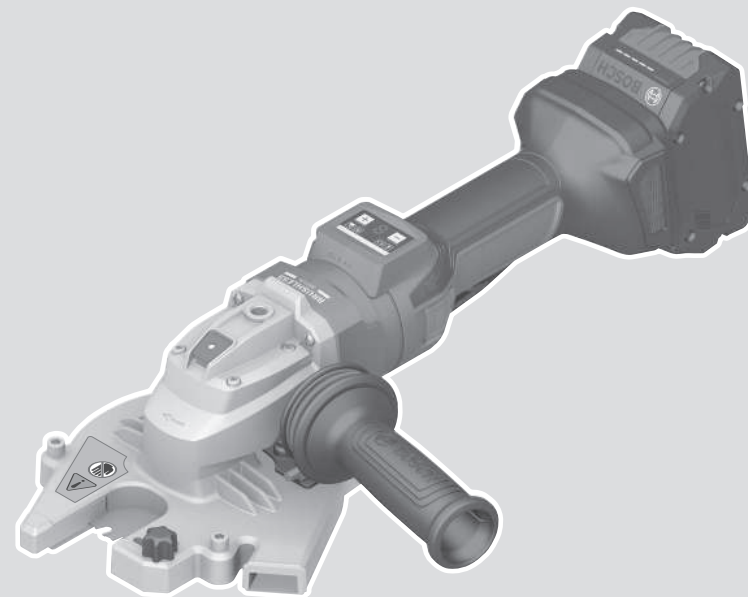
Robert Bosch Power Tools GmbH
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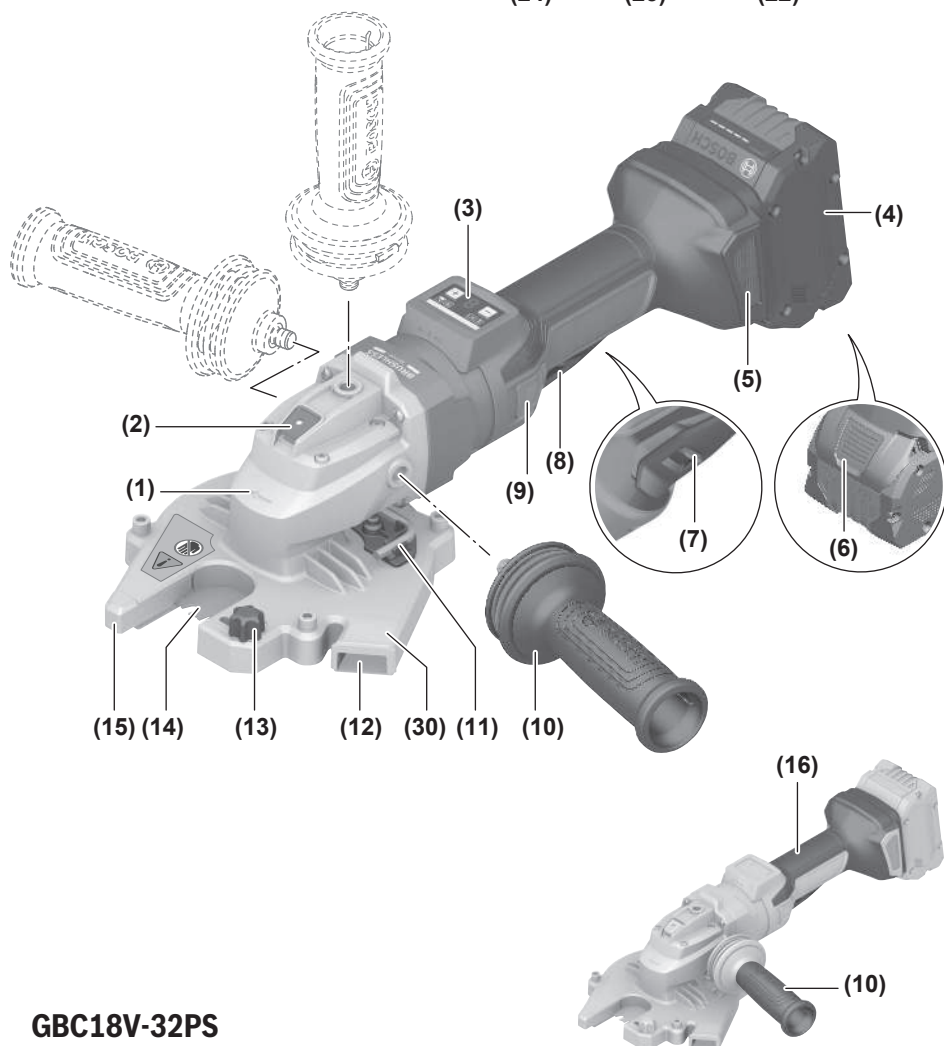
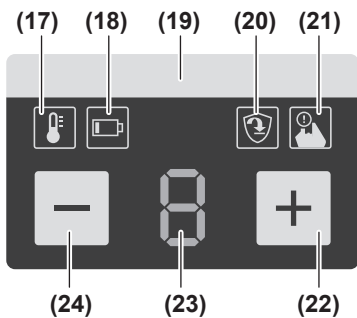


zh 正本使用说明书

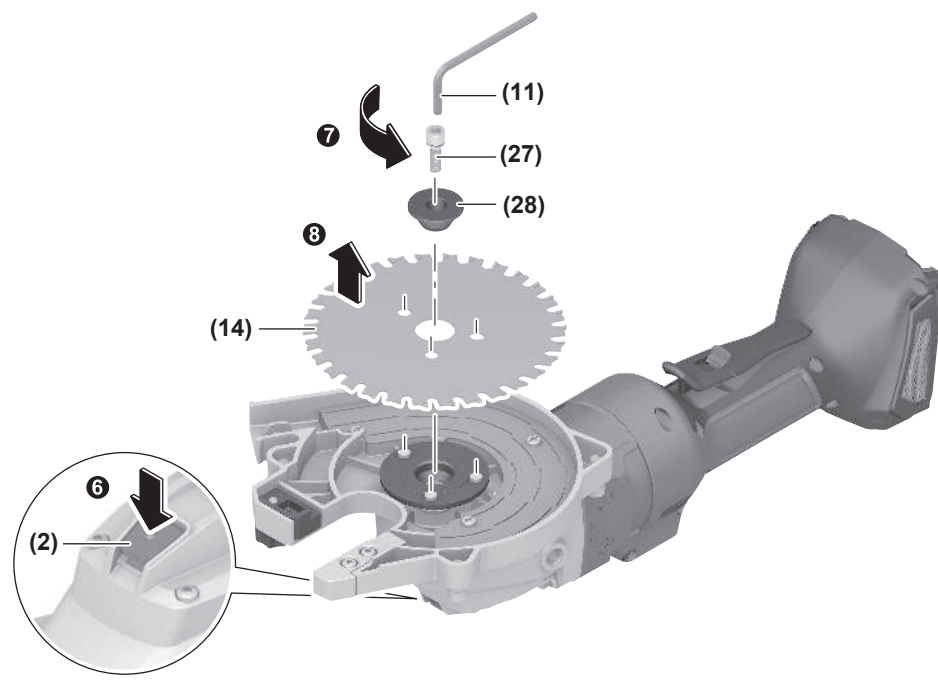
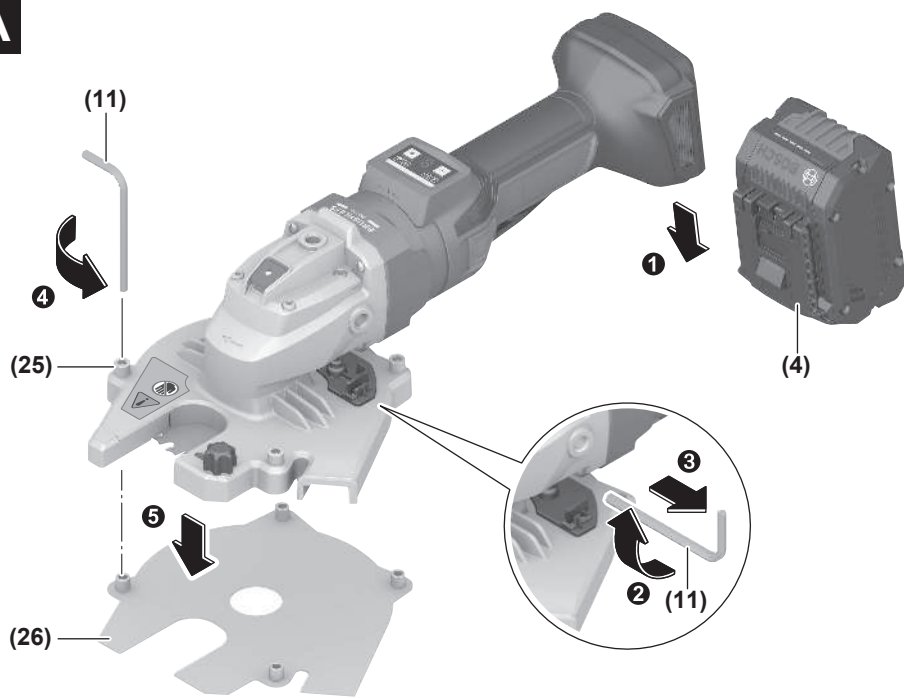


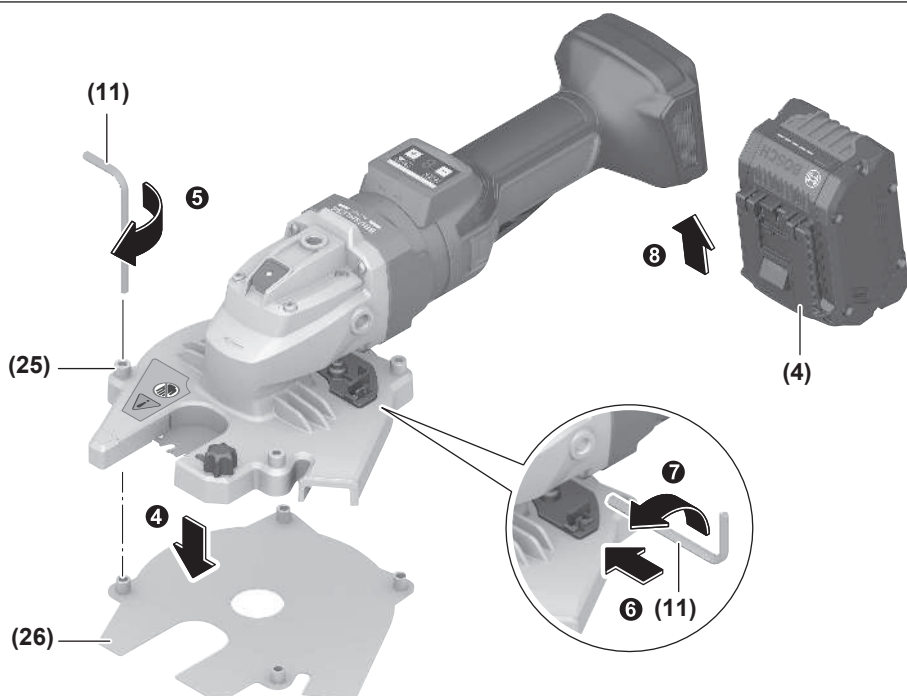
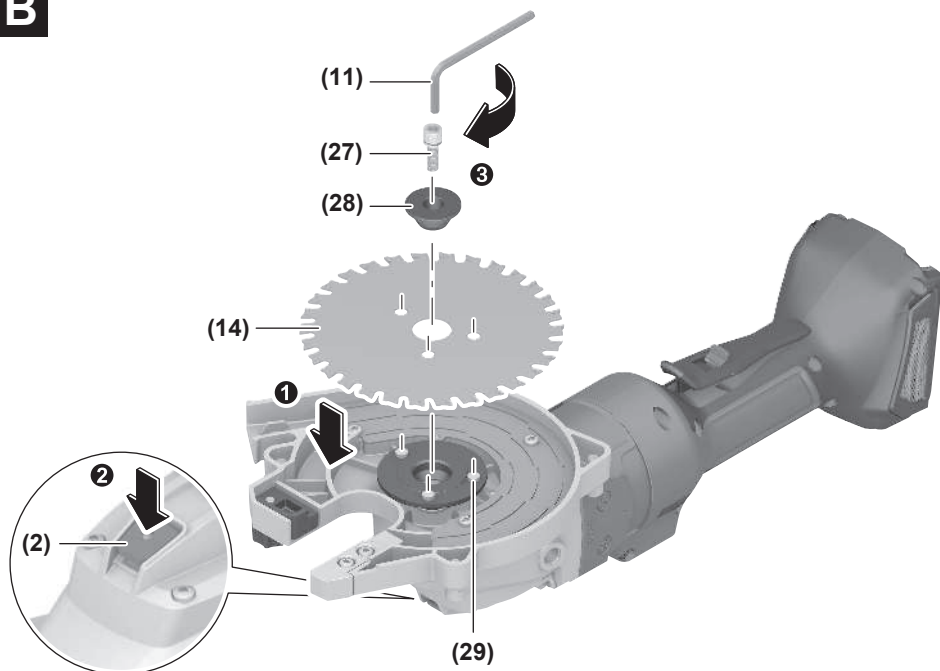
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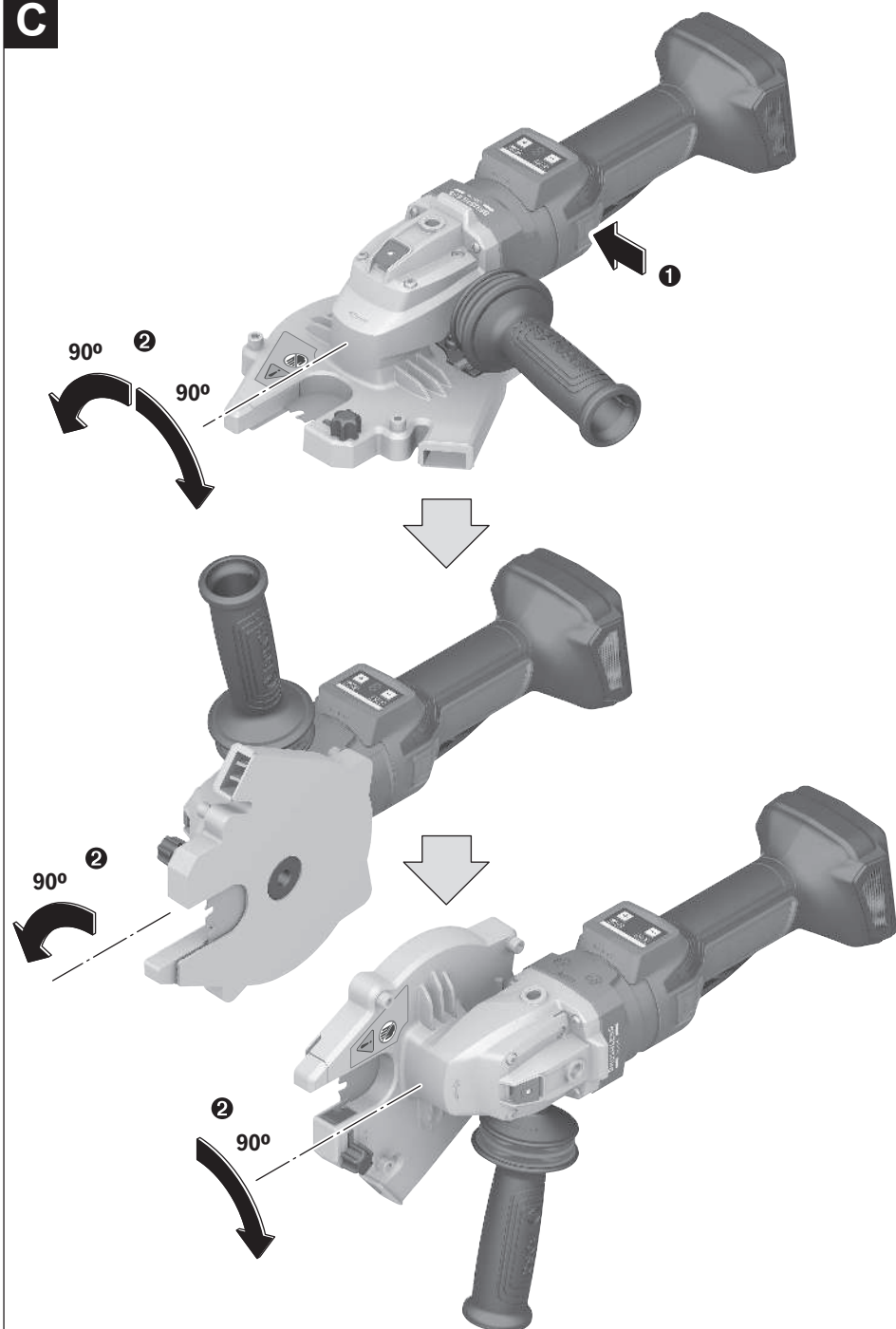


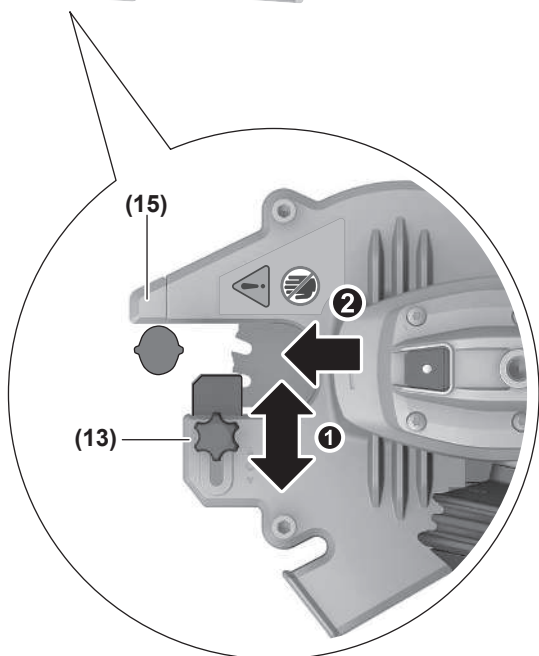
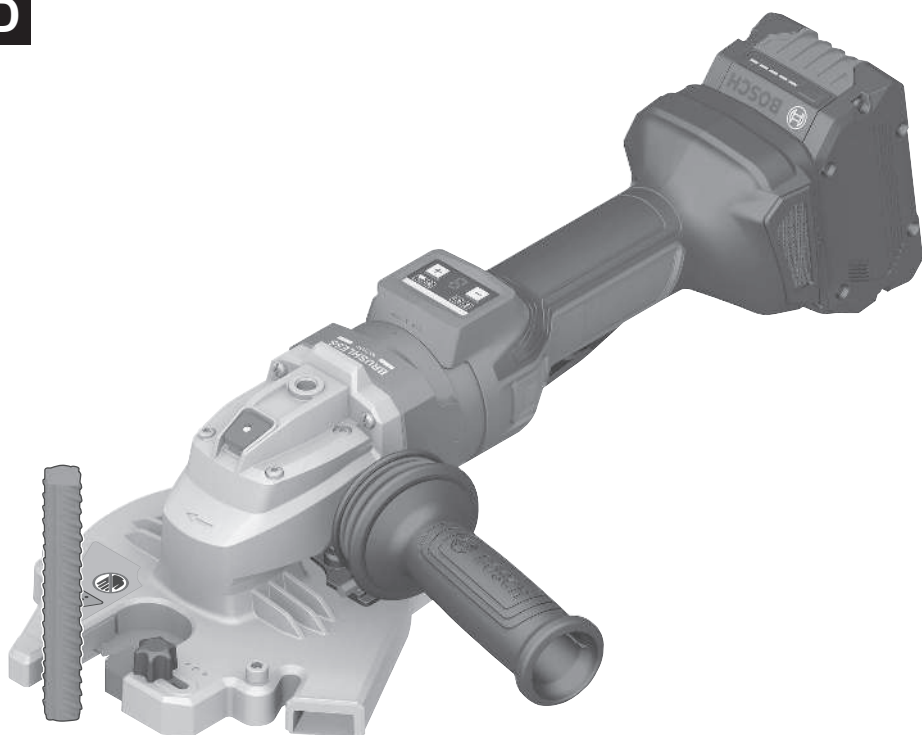


GBC18V-32PS

A

B



D

中文

安全规章

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。

工作场地的安全

- ▶ 保持工作场地清洁和明亮。混乱和黑暗的场地会引发事故。
- ▶ 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。
- ▶ 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。

电气安全

- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。

人身安全

- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。

- ▶ 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。
- ▶ 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、配饰或长发可能会卷入运动部件中。
- ▶ 如果提供了与排屑、集尘设备连接用的装置，要确保他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。
- ▶ 即使由于经常使用电动工具而对此非常熟悉，也不要就认为可以高枕无忧而忽略工具的安全规定。粗心大意的行为可能在瞬间就造成严重的伤害。

电动工具使用和注意事项

- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 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。
- ▶ 保持手柄和握持表面干燥、清洁、无油污。在突发情况下，滑溜的手柄和握持表面无法确保安全地握持和控制工具。

电池式工具使用和注意事项

- ▶ 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危险。
- ▶ 只有在配有专用电池盒的情况下才使用电动工具。使用其他电池盒会发生损坏和着火危险。
- ▶ 当电池盒不用时，将它远离其他金属物体，例如回形针、硬币、钥匙、钉子、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。
- ▶ 在滥用条件下，液体会从电池中溅出；避免接触。如果意外碰到了，用水冲洗。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或燃烧。

- ▶ **不要使用损坏的或更改过的电池组或工具。**损坏或更改过的电池可能导致不可预料的情况发生，有着火、爆炸或受伤的风险。
- ▶ **不要将电池组或工具暴露于火焰或高温情况下。**火焰或超过 130 °C 的温度可能会引起爆炸。
- ▶ **遵守所有充电说明，给电池组或工具充电时不要超出说明中规定的温度范围。**错误充电或温度超出规定的范围可能会损坏电池并提高着火的风险。

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。
- ▶ **决不能维修损坏的电池包。**电池包仅能由生产者或其授权的维修服务商进行维修。

钢筋切割机安全规章



请将双手远离切割区域以及旋转的锯片。您可能会受重伤。



务必利用规定的握柄通过双手抓住产品，操作期间切勿将手伸入切割区域。握柄要保持干燥、干净并且上面不可以有油脂。由此可以出色安全地操作。

- ▶ **操作电动工具时一定要使用底板。**只有在安装了底板的情况下，才可以出色安全地操作。
- ▶ **只能使用许可用于该产品的锯片，且该锯片符合技术数据中的规格。**将锯片用于其他用途可能导致过度磨损、锯片松脱、切割性能降低以及过度放热，从而造成锯片损坏以及严重受伤。
- ▶ **请勿使用钝锯片或损坏的锯片。**带钝齿或错误对齐的锯齿的锯片可能提高摩擦、锯片卡住以及因切割间隙过小而反弹。
- ▶ **使用合适的侦测装置侦察隐藏的电线，或者向当地的相关单位寻求支援。**接触电线可能引起火花并让操作者触电。损坏了瓦斯管会引起爆炸。如果水管被刺穿了会导致财物损失。
- ▶ **当在切割附件可能触及暗线的场合进行操作时，仅通过绝缘握持面握持工具。**与“带电”导线接触会使电动工具的外露金属部件带电而使操作者受到电击。
- ▶ **只有在将电动工具置于工作位置并用双手固定住，才可以开启电动工具。**由此避免不受控制地反弹。
- ▶ **操作期间可能产生边缘锋利的高温金属屑，可能在接触皮肤时导致割伤和烫伤。**穿上紧身的衣服。
- ▶ **只有在电动工具达到其最大转速后，才可以开始切割。**在电机启动前将工件接触锯片会导致锯片过载和损坏，从而造成重伤。
- ▶ **如果出现反弹，不要继续切割工件。**将电动工具从工件上移除，让锯片达到其最大转速，然后小心地继续切割。在工件中重启电动工具时，锯片可能再次卡住或造成反弹。

- ▶ **如果锯片在切割中停住或卡住，可能导致反弹。**这可能造成电动工具不受控制地移动。
- ▶ **操作期间可能产生火花和高温的金属屑，可能引燃周围的易燃金属或损坏表面。**确保工作周围没有易燃金属并保护敏感表面。
- ▶ **在操作期间不要接触电动工具的头部。**它可能变热，从而导致您受伤。
- ▶ **锯片和其他金属部件可能变热或具备锋利边缘。**更换锯片时请佩戴防护手套。
- ▶ **在高空操作时，确保没有人逗留在其下方。**切屑或金属废料掉落可能导致事故。
- ▶ **请务必等到完全停止运动后再放下电动工具。**旋转中的工具刀头可能重伤手部或接触底座，不受控制地移动。
- ▶ **如果充电电池损坏或者未按照规定使用，充电电池中会散发出有毒蒸汽。**充电电池可能会燃烧或爆炸。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。蒸汽会刺激呼吸道。
- ▶ **切勿改装并打开充电电池。**可能造成短路。
- ▶ **钉子、螺丝刀等尖锐物品或外力作用可能会损坏充电电池。**有可能出现内部短路、蓄电池燃烧、发出烟雾、爆炸或过热。
- ▶ **仅在制造商的产品中使用充电电池。**这样才能确保充电电池不会过充。



保护充电电池避免高温（例如长期阳光照射）、火焰、脏污、水和湿气的侵害。有爆炸和短路的危险。

图标

以下符号可以帮助您正确地使用本电动工具。请牢记各符号和它们的代表意思。正确了解各符号的代表意思，可以帮助您更有把握更安全地操作本电动工具。

请佩戴护目镜。



产品和性能说明



请阅读所有安全规章和指示。不遵照以下警告和说明可能导致电击、着火和/或严重伤害。

请注意本使用说明书开头部分的图示。

按照规定使用

本电动工具适用于齐平锯切或锯透在建筑业中使用的钢筋和软钢螺杆。

插图上的机件

机件的编号和电动工具详解图上的编号一致。

- (1) 机壳上的转向箭头
- (2) 主轴锁定键

- (3) 用户界面
- (4) 充电电池^{a)}
- (5) 滤尘器 (2个)
- (6) 充电电池的解锁按钮^{a)}
- (7) 起停开关的解锁杆
- (8) 起停开关
- (9) 机头转动键
- (10) 具备减震功能的辅助手柄 (绝缘握柄)
- (11) 内六角扳手
- (12) 出口
- (13) 用于调节开口宽度的螺栓
- (14) 锯片
- (15) 导向辅助件
- (16) 手柄 (绝缘握柄)
- (17) 温度指示灯 (用户界面)
- (18) 充电电池电量低指示灯 (用户界面)
- (19) 电动工具状态指示灯 (用户界面)
- (20) 回弹断开指示灯 (用户界面)
- (21) 过载指示灯 (用户界面)
- (22) 转速提高按键 (用户界面)
- (23) 转速等级/模式指示灯 (用户界面)
- (24) 转速降低按键 (用户界面)
- (25) 螺栓 (4个)
- (26) 底板
- (27) 夹紧螺栓
- (28) 夹紧法兰
- (29) 定心销 (3个)
- (30) 集屑袋支架

a) 该附件并不包含在基本的供货范围中。

技术参数

钢筋切割机		GBC18V-32PS
物品代码		3 601 JS7 0..
额定电压	伏特=	18
空载转速	转/分钟	1700-2000
钢筋切割能力	毫米	10-32
锯片直径	毫米	136
回弹断开		●
重启保护		●
防外滑制动器		●
缓速启动		●
撞击断开		●
过载保护		●
转速预选		●
重量 ^{A)}	公斤	3.3
尺寸 (长 x 宽 x 高)	毫米	445 x 186 x 114

钢筋切割机		GBC18V-32PS
充电时建议的环境温度	摄氏 度	0至+35
工作时间和存放时允许的环境温度 ^{B)}	摄氏 度	-20至+50
兼容的充电电池		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
推荐的确全功率的充电 电池		ProCORE18V... ≥ 8.0安培小时 EXPERT18V... ≥ 5.5安培小时
推荐的充电器		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) 不含充电电池 (充电电池重量请查看 www.bosch-professional.com)
B) 温度<0摄氏度时功率受限
数值可能因不同产品而异, 并且受到应用和环境条件影响。
更多信息请参见www.bosch-professional.com/wac。

回弹断开



当电动工具突然回弹时 (比如切割边卡住), 将以电子方式中断电机供电。同时, 回弹断开指示灯(20)亮起。在回弹断开功能激活后, 状态指示灯(19)闪光。

如需再次使用, 请将电源开关(8)置于关闭位置, 然后重新接通电动工具。

重启保护



重启保护功能可以避免电动工具在供电中断之后突然失控地重新启动。
如需再次使用, 请将电源开关(8)置于已关闭的位置, 然后重新接通电动工具。

防外滑制动器



电动工具装配有电子防外滑制动器。关闭电动工具时锯片在几秒钟内停止。

缓速启动

电子控制的缓速启动功能可以限制开机时的扭矩, 可降低电动工具的突然启动。
提示: 开机后, 电动工具马上以最大转速开始运转, 这代表缓速启动和重启保护功能失灵了。必须立即将电动工具寄到客户服务部门, 地址请见“客户服务和应用咨询”章节。

撞击断开



一旦撞击到地面，内置的撞击断开功能就会关闭电动工具。如需**再次使用**，请将电源开关**(8)**置于已关闭的位置，然后重新接通电动工具。

过载保护

按照规定使用时不会造成电动工具过载。过大负荷或超出允许的充电电池温度范围时，它会自动关闭。之后请关闭电动工具，并取消导致电动工具过载的作业。之后再次打开电动工具，以便重新启动作业流程。

转速预选

出厂设置中已预设2个转速等级。

转速预选等级	[转/分钟]
1	1700
2	2000

给出的转速等级数值与所使用的充电电池、充电量以及设备的工作温度有关。

通过转速调节按键**(22)**和**(24)**可以预选所需的转速。以下表格中的数据仅供参考。

工件材料	用途	工具刀头	转速等级
钢筋	切割	锯片	1/2
软钢螺杆	切割	锯片	1/2

只有当产品达到最大转速时，才可以开始切割。如果锯片在启动电机前与工件接触，可能引起锯片过载和并损坏，从而导致重伤。选择等级2，以便使用最高切割速度。选择等级1，以便减少火花产生。

充电电池

Bosch也销售不带充电电池的充电式电动工具。您可以在包装上查看电动工具的供货范围内是否包含充电电池。

为充电电池充电

► **请只使用在技术参数中列出的充电器。**只有这些充电器才适用于本电动工具上的锂离子电池。

提示：鉴于国际运输规定，锂离子充电电池在交货时只完成部分充电。首度使用电动工具之前，必须先充足充电电池的电量以确保充电电池的功率。

安装充电电池

将充好电的充电电池推入电池座，直到嵌入。

取出充电电池

如需取下充电电池，则请按压解锁按钮，然后拔出充电电池。**在此过程中请勿过度用力。**

充电电池具备双重锁定功能，即使不小心触动了充电电池的解锁按钮，充电电池也不会从机器中掉落下来。只要充电电池安装在电动工具中，就会被弹簧固定在其位置上。

充电电池电量指示灯

提示：并非每种充电电池型号均具备电量指示灯。充电电池电量指示灯的绿色LED灯显示充电电池的电量。基于安全原因，只能在电动工具静止时检查充电电池的电量。

按压充电电量指示灯按键或，来显示充电电量。也可以在充电电池取下时操作。

如果按压充电电量指示灯按键后没有LED灯亮起，则说明充电电池损坏，必须进行更换。

用户界面上也会显示充电电池的电量(参见“状态指示灯”，页13)。

充电电池型号GBA 18V... | GBA18V...



LED	电量
3个绿灯长亮	60–100 %
2个绿灯长亮	30–60 %
1个绿灯长亮	5–30 %
1个绿灯闪烁	0–5 %

充电电池类型 ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...



LED	电量
5个绿灯长亮	80–100 %
4个绿灯长亮	60–80 %
3个绿灯长亮	40–60 %
2个绿灯长亮	20–40 %
1个绿灯长亮	5–20 %
1个绿灯闪烁	0–5 %

充电电池损坏风险识别

EXPERT18V... | EXBA18V...

充电电池电量指示灯的LED除了可以显示充电电池电量之外，还可以显示充电电池损坏的风险。

如需激活该功能，按住电量指示灯按钮3秒钟。充电电池的分析通过充电电池电量指示灯顺序发光来显示。结果以充电电池电量指示灯显示。

1个LED：充电电池的损坏风险较高。功率和运行时间可能已经降低。建议更换充电电池。

5个LED：充电电池处于良好状态，损坏风险较低。

请注意：充电电池损坏风险评估功能分两档运行，提供简单的状态评价。充电电池要么被评价为状态良好，要么就是具有较高的损坏风险。不显示电池状态的百分比。

如何正确地使用充电电池

保护充电电池，避免湿气和水分渗入。

充电电池必须储存在-20 °C至50 °C的环境中。夏天不得将充电电池搁置在汽车中。

不定时地使用柔软、清洁而且干燥的毛刷清洁充电电池的通气孔。

充电后如果充电电池的使用时间明显缩短，代表充电电池已经损坏，必须更换新的充电电池。

请注意有关作废处理的规定。

安装

- ▶ 所使用的锯片的最高许可转速必须高于电动工具的名义转速。

拆卸/安装锯片

- ▶ 对电动工具执行任何操作（比如保养、更换刀具等）前需将充电电池从电动工具中取出。意外操作起停开关可能会造成伤害。
- ▶ 安装锯片时务必穿戴防护手套。手如果接触锯片可能被割伤。
- ▶ 只允许使用符合本使用说明书中和电动工具上给出的特性数据的锯片。

拆卸锯片（参见插图A）

- 借助随附的内六角扳手(11)松开4个螺栓(25)。
- 去除底板(26)。
- 按压主轴锁定键(2)并按住。
- ▶ 待主轴完全静止后，才可以使用主轴锁定键(2)。否则可能会损坏电动工具。
- 用内六角扳手(11)将夹紧螺栓(27)拧出。
- 取下夹紧法兰(28)和锯片(14)。

安装锯片（参见插图B）

- 清洁锯片(14)和所有待安装的夹紧件。
- 放置锯片(14)。锯齿的切割方向（锯片上的箭头方向）与机壳上的转向箭头(1)必须一致。确保3个定心销(29)卡入锯片的孔中。
- 装上夹紧法兰(28)并旋入夹紧螺栓(27)。
- 按压主轴锁定键(2)并按住。
- 用内六角扳手(11)将夹紧螺栓(27)拧紧。
- 放置底板(26)并用4个螺栓(25)拧紧。

具备减震功能的辅助手柄

提示：钢筋切割机GBC18V-32PS的供货范围包括具备减震功能的辅助手柄(10)。出于人体工程学和工作安全的原因，请务必使用本操作说明中所述的具备减震功能的辅助手柄(10)。

视操作方法而定，在机头左侧或右侧或上部旋入辅助手柄(10)。

- ▶ 操作电动工具时务必使用辅助手柄(10)。
- ▶ 如果辅助手柄(10)损坏了，勿继续使用电动工具。切勿在辅助手柄(10)上做任何修改。

 **Vibration Control** 具备减震功能的辅助手柄(10)不仅能够降低工作时的震动，更可以提高操作机器的舒适性和确保

工作安全。

吸锯尘/吸锯屑

在没有采取减尘措施的情况下避免作业。合适的集尘盒可减少有害健康的粉尘污染。工作场地要保持空气流通。原则上要使用合适的呼吸面罩。为确保最佳集尘效果，请及时清空集尘盒并定期清洁滤芯。

- ▶ 避免让工作场所堆积过多的尘垢。尘埃容易被点燃。

自集尘

将集屑袋的敞开端放在支架(30)上，然后用张紧带将其固定。用力拉动集屑袋，确保其已正确固定。

转动机头（参见插图C）

- ▶ 对电动工具执行任何操作（比如保养、更换刀具等）前需将充电电池从电动工具中取出。意外操作起停开关可能会造成伤害。

可将机头与手柄成比例向左或向右转动90度。这样就能在特殊工作状况下将起停开关(8)置于比较容易操作的位置。

将起停开关(8)调至“关闭”位置。

按压按键(9)，然后将机头转动至所需位置（参见插图C）。

只有当机头位于正确的位置时，才可以激活起停开关(8)。

运行

- ▶ 勿让电动工具因为过载而停止转动。
- ▶ 对电动工具执行任何操作（比如保养、更换刀具等）前需将充电电池从电动工具中取出。意外操作起停开关可能会造成伤害。
- ▶ 固定好站立不稳的工件。
- ▶ 强烈过载之后必须让电动工具在无载的状况下运转数分钟，这样能够帮助电动工具冷却。
- ▶ 不要将电动工具安装在切割研磨架上使用。

调节开口宽度（参见插图D）

松开用于调节开口宽度的螺栓(13)。将宽度调节块向左或向右推，以便获得所需的开口宽度。在开始操作前确认螺栓(13)已拧紧。

工作提示

切割钢筋

选择适用于待执行切割的设置（参见“调节开口宽度（参见插图D）”，页12）。

请勿接触旋转部件，因为其可能导致重伤。

开启电机后不要立即开始切割。切割前将锯片设为最大转速。

选择较低的转速设置，以便减少火花飞溅。

在开始和结束切割过程时放慢向前运动（切割运动）。

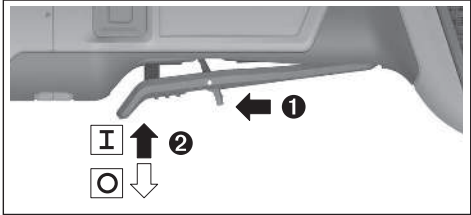
切勿切割直径低于10毫米的钢筋。

切勿切割长度低于**20毫米**的钢筋，因为节段会卡在锯片**(14)**和底板**(26)**之间，从而可能造成损坏和重伤。

开机后将导向辅助件**(15)**牢固置于钢筋上。将电动工具缓慢地向前推，以便开始切割钢筋。

投入使用

接通/关闭



如要**运行**电动工具，请将解锁杆**(7)**向前推，然后向上按压起停开关**(8)**。

如要**关闭**电动工具，请松开起停开关**(8)**。

用户界面

用户界面**(3)**用于预选转速和电动工具的状态显示。

状态指示灯

温度显示 (17)	含义/原因	解决方案
黄色	已达到临界温度（电子系统、充电电池）	让电动工具空转、冷却
红色	电动工具过热并关闭	让电动工具冷却

充电电池电量显示（用户界面） (18)	含义/原因	解决方案
黄色	充电电池的电量几乎耗尽	尽快更换充电电池或为其充电
红色	充电电池的电量用尽了	更换充电电池或为其充电

电动工具状态显示 (19)	含义/原因	解决方案
绿色	状态正常	-
黄色	已达到临界温度或充电电池的电量几乎耗尽或检测到过载	让电动工具空转、冷却或降低负载，直到电动工具正常运作
亮红光	电动工具过热或充电电池电量耗尽	让电动工具冷却或更换充电电池或为其充电
以红光闪烁	触发了回弹断开功能、重启保护功能或撞击断开功能	关闭并再次接通电动工具

过载指示灯（用户界面） (21)	含义/原因	解决方案
黄色	检测到过载	降低负载，直到电动工具正常运作

维修和服务

保养和清洁

- ▶ 对电动工具执行任何操作（比如保养、更换刀具等）前需将充电电池从电动工具中取出。意外操作起停开关可能会造成伤害。
- ▶ 电动工具和通气孔必须随时保持清洁，以确保工作效率和工作安全。

小心地保存和使用附件。

客户服务和应用咨询

中国大陆

电话： 400 826 8484-3-2

制造商地址：

Robert Bosch Power Tools GmbH

罗伯特·博世电动工具有限公司

70538 Stuttgart / GERMANY

70538 斯图加特 / 德国

关于服务地址和保修条件的链接请查看最后一页。

询问和订购备件时，务必提供机器铭牌上标示的10位数物品代码。

处理废弃物

必须以符合环保的方式，回收再利用损坏的电动工具、充电电池、附件和废弃的包装材料。



不可以把电动工具和充电电池/蓄电池丢入一般的家庭垃圾中！

产品中有害物质的名称及含有的信息表

部件名称	有害物质									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBBs)	多溴二苯 醚 (PBDEs)	邻苯二甲酸 正丁酯 (DBP)	邻苯二甲酸二 异丁酯 (DIBP)	邻苯二甲酸丁 苄酯 (BBP)	邻苯二甲酸二(2-乙 基)己酯 (DEHP)
外壳的金属部分	○	○	○	○	○	○	○	○	○	○
外壳的非金属部分	○	○	○	○	○	○	○	○	○	○
机械传动机构	X	○	○	○	○	○	○	○	○	○
电机组件	X	○	○	○	○	○	○	○	○	○
控制组件	X	○	○	○	○	○	○	○	○	○
附件	○	○	○	○	○	○	○	○	○	○
配件	○	○	○	○	○	○	○	○	○	○
连接件	X	○	○	○	○	○	○	○	○	○
电源线①	○	○	○	○	○	○	○	○	○	○
电池系统②	○	○	○	○	○	○	○	○	○	○

注1:

○: 表示该有害物质在该部件所有均质材料中的含量均不超出电器电子产品有害物质限制使用国家标准要求。

x: 表示该有害物质至少在该部件的某一均质材料中的含量超出电器电子产品有害物质限制使用国家标准要求。

注2:

以上未列出的部件，表明其有害物质含量均不超出电器电子产品有害物质限制使用国家标准要求。

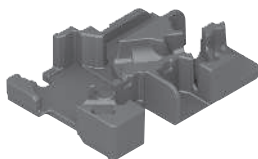
①适用于采用电源线连接供电的产品。

②适用于采用充电电池供电的产品。

产品环保使用期限内的使用条件参见产品说明书。



L-BOXX
1 605 438 1L4



6 082 850 7T3



1 602 025 0A0



1 619 PS7 651



2 608 847 416

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1.2 - CMSIS_5 - Apache-2.0

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1.4 - MFixedPoint - MIT

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1.5 - GCE-Math - Apache-2.0

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1.6 - NanoPb 0.3.9.9

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1.7 - picolibc 1.8.8

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