



 **BOSCH**

PRO

GOP18V-30

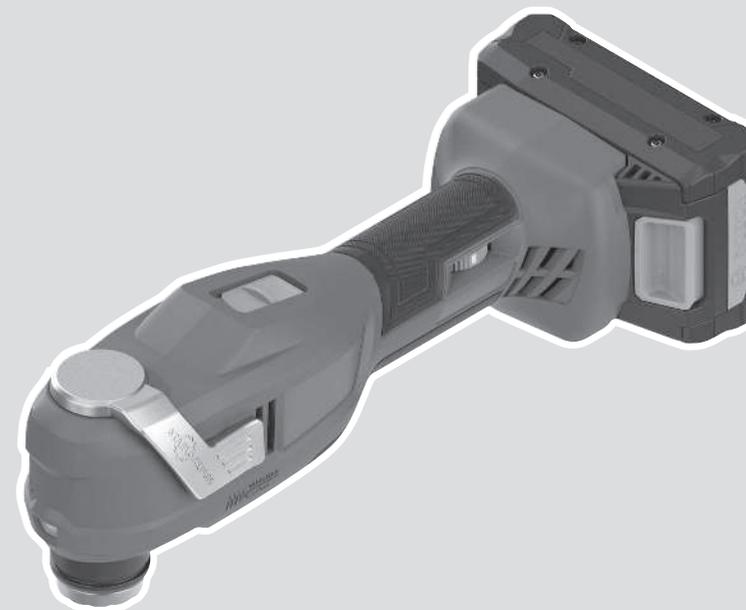
Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

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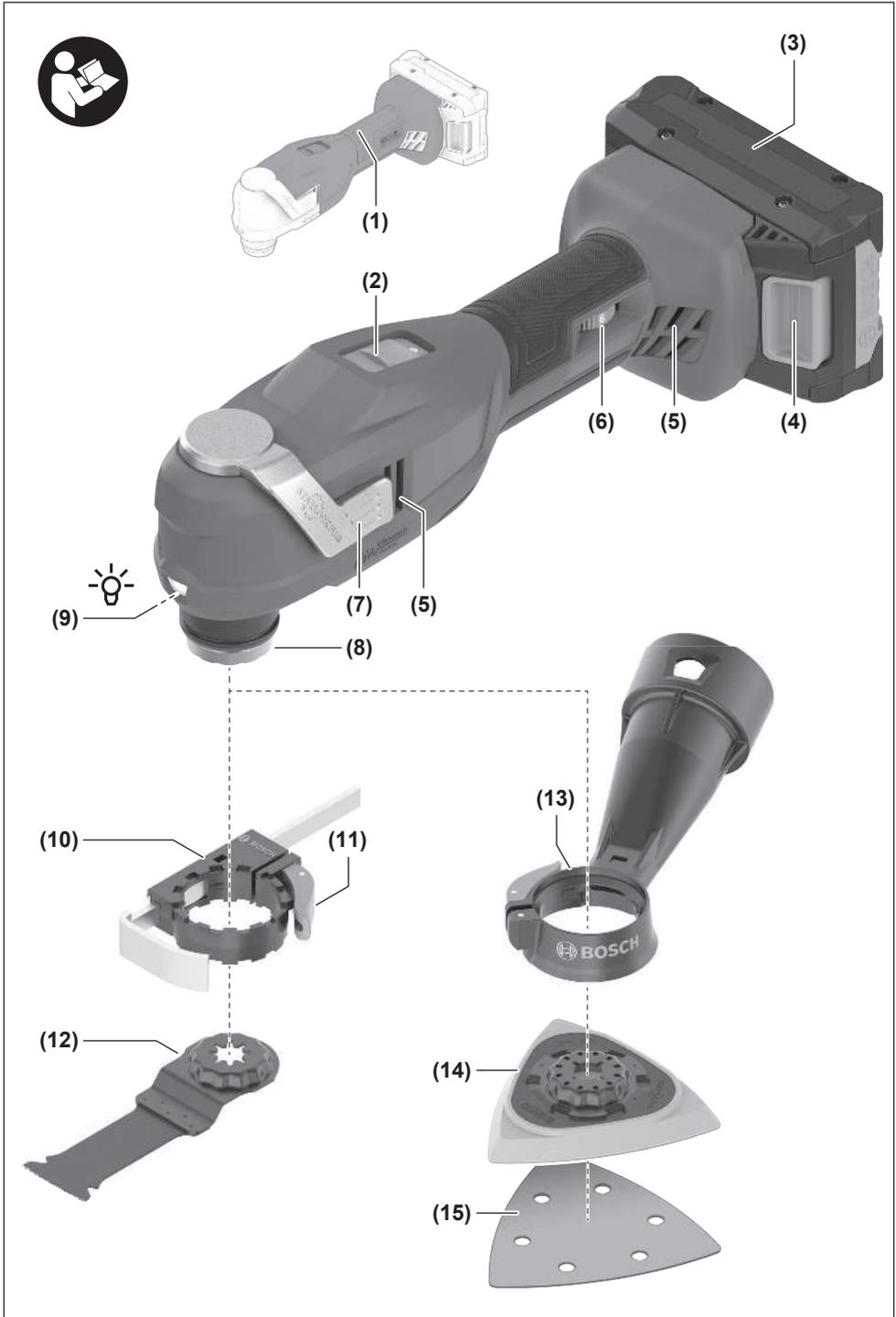
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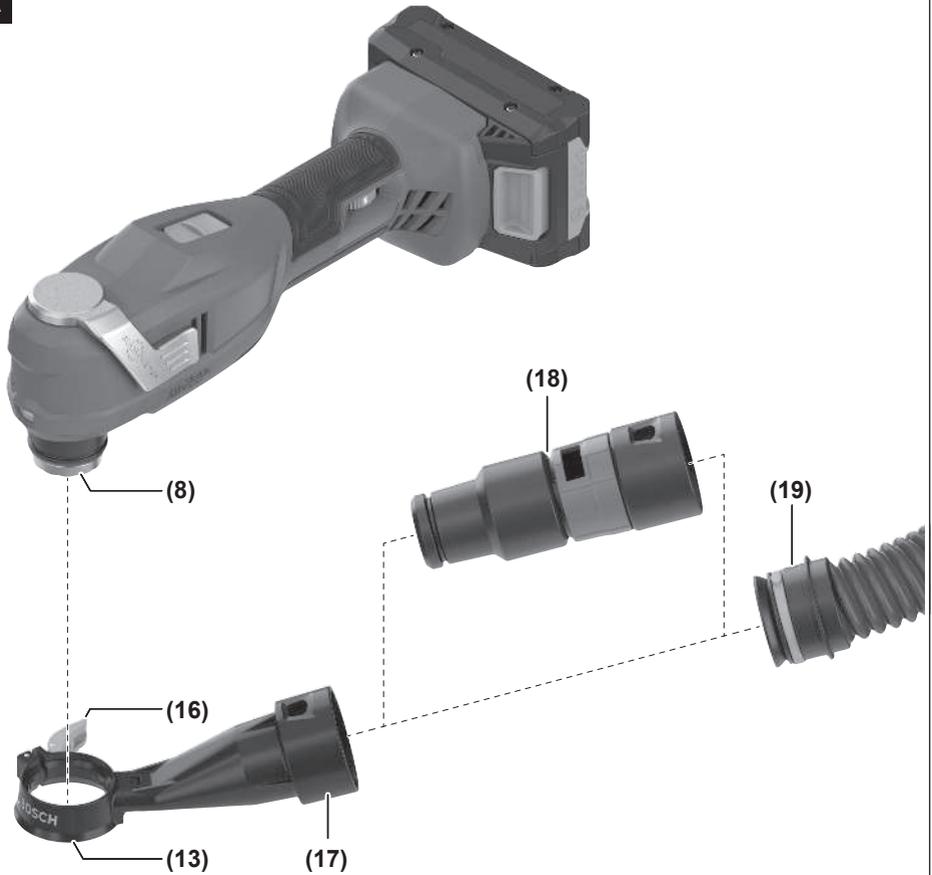


zh 正本使用说明书







A

2 608 000 636



2 608 000 590

中文

安全规章

电动工具通用安全警告

⚠ 警告！

阅读随电动工具提供的所有安全警告、说明、图示和规定。

不遵照以下所列说明会导致电击、着火和/或严重伤害。

保存所有警告和说明书以备查阅。

警告中的术语“电动工具”是指市电驱动（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。杂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。
- ▶ 操作电动工具时，远离儿童和旁观者。注意力不集中会使你失去对工具的控制。

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降低电击风险。
- ▶ 避免人体接触接地表面，如管道、散热片和冰箱。如果你身体接触接地表面会增加电击风险。
- ▶ 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风险。
- ▶ 不得滥用软线。绝不能用软线搬运、拉动电动工具或拔出其插头。使软线远离热源、油、锐边或运动部件。受损或缠绕的软线会增加电击风险。
- ▶ 当在户外使用电动工具时，使用适合户外使用的延长线。适合户外使用的电线将降低电击风险。
- ▶ 如果无法避免在潮湿的环境中操作电动工具，应使用带有剩余电流装置（RCD）保护的电源。RCD的使用可降低电击风险。

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。防护装置，诸如适当条件下使用防全面具、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。在连接电源和/或电池包、拿起或搬运工具前确保开关处于关断位置。手指放在开关上搬运工具或开关处于接通时通电会导致危险。
- ▶ 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。

- ▶ 手不要过分伸展。时刻注意立足点和身体平衡。这样能在意外情况下能更好地控制住电动工具。
- ▶ 着装适当。不要穿宽松衣服或佩戴饰品。让你的头发和衣服远离运动部件。宽松衣服、配饰或长发可能会卷入运动部件。
- ▶ 如果提供了与排屑、集尘设备连接用的装置，要确保其连接完好且使用得当。使用集尘装置可降低尘屑引起的危险。
- ▶ 不要因为频繁使用工具而产生的熟悉感而掉以轻心，忽视工具的安全准则。某个粗心的动作可能在瞬间导致严重的伤害。

电动工具使用和注意事项

- ▶ 不要勉强使用电动工具，根据用途使用合适的电动工具。选用合适的按照额定值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电源，则不能使用该电动工具。不能通过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/或卸下电池包（如可拆卸）。这种防护性的安全措施降低了电动工具意外起动的风险。
- ▶ 将闲置不用的电动工具贮存在儿童所及范围之外，并且不允许不熟悉电动工具和不了解这些说明的人操作电动工具。电动工具在未经培训的使用者手中是危险的。
- ▶ 维护电动工具及其附件。检查运动部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，应在使用前修理好电动工具。许多事故是由维护不良的电动工具引发的。
- ▶ 保持切削刀具锋利和清洁。维护良好地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，并考虑作业条件和要进行的作业来选择电动工具、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情况。
- ▶ 保持手柄和握持表面干燥、清洁，不得沾有油脂。在意外的情况下，湿滑的手柄不能保证握持的安全和对工具的控制。

电池式工具使用和注意事项

- ▶ 仅使用生产者规定的充电器充电。将适用于某种电池包的充电器用到其他电池包时可能会发生着火危险。
- ▶ 仅使用配有专用电池包的电动工具。使用其他电池包可能会产生伤害和着火危险
- ▶ 当电池包不用时，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，以防电池包一端与另一端连接。电池组端部短路可能会引起燃烧或着火。
- ▶ 在滥用条件下，液体可能会从电池组中溅出；应避免接触。如果意外碰到液体，用水冲洗。如果液体碰到了眼睛，还应寻求医疗帮助。从电池中溅出的液体可能会发生腐蚀或燃烧。

- ▶ **不要使用损坏或改装过的电池包或工具。** 损坏或改装过的电池组可能呈现无法预测的结果，导致着火、爆炸或伤害。
- ▶ **不要将电池包暴露于火或者高温中。** 电池包暴露于火或高于 130 °C 的高温中可能导致爆炸。
- ▶ **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

- ▶ **由专业维修人员使用相同的备件维修电动工具。** 这将保证所维修的电动工具的安全。
- ▶ **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。

针对多功能切割打磨机的安全规章

- ▶ **当在锯割附件可能触及暗线的场合进行操作时，通过绝缘握持面握持工具。** 锯割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。
- ▶ **使用夹具或其他实用方法将工件固定和支撑在稳定的工作台面。** 用手或身体固定工件会使工件不稳引起失控。
- ▶ **本电动工具仅可用于干法研磨。** 水进入电动工具将增加电击危险。
- ▶ **注意火灾危险！应避免磨料和研磨机过热。每次工作休息前都要清空集尘腔。** 吸尘器的过滤袋或过滤器内的磨削粉尘可能会在不良条件下（例如研磨金属时火花飞溅）被点燃。如果磨削粉尘与油漆或聚氨酯残余物或者其他化学原料混合，且磨料在长时间作业后产生高温时，会产生极大危险。
- ▶ **双手必须远离锯割范围，手不可以握在工件下端。** 如果不小心碰触了锯片可能被割伤。
- ▶ **定期清洁电动工具的通风间隙。** 电动机风扇会将灰尘吸进机壳，过多的金属粉末沉积会导致电气危险。
- ▶ **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灾并让操作者触电。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。
- ▶ **工作时使用双手握紧电动工具并确保站稳。** 使用双手才能够稳定地操作电动工具。
- ▶ **更换工具刀头时务必佩戴保护手套。** 经过长时间的操作工具刀头会变热。
- ▶ **请勿使用含有溶剂的液体处理表面。** 由于刮削时工件会变热，可能会产生带毒性的蒸汽。
- ▶ **使用刮刀和刀具时要特别小心。** 工具非常锋利，可能会导致受伤。
- ▶ **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载。



保护充电电池免受高温（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。

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

本电动工具用于锯切和分割木材、塑料、石膏、有色金属和固定件（比如未硬化的钉子、夹子）。它也可以加工软的壁砖，清除接缝，进行干磨和在小的面积上刮削。本工具特别适合在工件的边缘操作，以及进行切平的工作。只能在本电动工具上安装博世原厂的附件。

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) 手柄（绝缘握柄）
- (2) 电源开关
- (3) 充电电池^{a)}
- (4) 充电电池的解锁按钮^{a)}
- (5) 通气孔
- (6) 振动次数预选调节轮
- (7) StarLock 提杆，用来解除安装工具的锁定
- (8) 工具夹头
- (9) 工作灯
- (10) 限深器^{a)}
- (11) 限深器夹紧杆^{a)}
- (12) 插入式锯片^{a)}
- (13) 带Click & Clean接口的集尘装置^{a)}
- (14) 磨板^{a)}
- (15) 砂纸^{a)}
- (16) 集尘装置夹紧杆^{a)}
- (17) 抽吸套管^{a)}
- (18) 吸尘适配接头^{a)}
- (19) 集尘软管^{a)}

a) 该附件并不包含在基本的供货范围中。

技术数据

充电式多功能切割打磨机

GOP18V-30

物品代码

3 601 HG3 0..

充电式多功能切割打磨机		GOP18V-30
额定电压	伏特=	18
空载转速 $n_0^A)$	转/分钟	10000-18000
左/右振荡角度	度	1.5
重量 ^{B)}	公斤	1.0
充电时建议的环境温度	摄氏度	0至+35
工作时和存放时允许的环境温度 ^{C)}	摄氏度	-20至+50
兼容的充电电池		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
推荐的充电器		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) 在20-25摄氏度的条件下带充电电池**ProCORE18V 4.0Ah**测得

B) 不含充电电池（充电电池重量请查看 www.bosch-professional.com）

C) 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。

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。

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

- ▶ 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。

更换刀具

- ▶ 更换刀具时，请佩戴保护手套。碰触了工具刀头可能被割伤。

下表中显示工具刀头示例。其他工具刀头请参见品种齐全的博世配件系列。

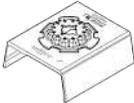
选择工具刀头

请注意指定用于您的电动工具的工具刀头。

工具刀头		GOP18V-30
 STARLOCK		✓
 STARLOCK PLUS		✓
 STARLOCK MAX		✗

切削附件	材料	用途
 AIZ 10 AB Starlock 10×20毫米木材和金属用双金属圆锯锯片	软木、软塑料、石膏板、薄壁铝和有色金属型材、薄板、非淬火钉子和螺栓	小规模分割和插入式切割；木材上精细的拼接操作； 例如：切割电缆开孔，插入式切割石膏板，为锁和五金件锯割开孔
 AIZ 32 EPC Starlock 32×50毫米木材用高碳钢圆锯锯片	软木	通过圆形锯齿边（Curved-Tec）实现无毛刺分割和插入式锯切；也可在角落和难够到的区域紧靠边缘锯割； 例如：为安装通风格栅或电源插座开孔进行插入式切割
 AIZ 32 APiB Starlock 32×50毫米木材和金属用双金属圆锯锯片	木质复合材料和软质有色金属、非淬火钉子和螺栓、非铁金属管材和小尺寸型材	通过圆形锯齿边（Curved-Tec）在木材、软质有色金属和塑料上实现无毛刺齐平式和插入式锯切； 例如：为电源插座和管材开孔，切平非淬火钉子和螺栓
 PAIZ 32 APB StarlockPlus 32×60毫米木材和金属用双金属圆锯锯片	木质复合材料和软质有色金属、非淬火钉子和螺栓、非铁金属管材和小尺寸型材	快速深插切割木材、耐磨的复合木板和塑料，通过圆形切割边（Curved-Tec）实现无毛刺加工； 例如：快速分割小尺寸的非铁管材和型材，简单切割非淬火钉子、螺栓和小尺寸型钢
 AIZ 32 BSPiB Starlock 32×50毫米硬木用双金属圆锯锯片	硬木、带涂层的板材	通过圆形锯齿边（Curved-Tec）在带涂层的板材或硬木上实现无毛刺分割式和插入式锯切，尤其适合针对硬木进行日式锯切； 例如：安装天窗，为电源插座开孔
 AIZ 32 AIT Starlock 32×40毫米金属用Carbide圆锯锯片	硬质含铁金属、高磨蚀性材料、玻璃纤维、石膏板、水泥纤维板、淬火钉子和螺栓	锯切高磨蚀性材料或硬质含铁金属；采用BOSCH Carbide Technology延长使用寿命； 例如：切割厨房前面板，简单锯切淬火螺栓和不锈钢
 AIZ 32 APiLT Starlock 32×45毫米复合材料用Carbide圆锯锯片	带钉子的木材、环氧树脂、石膏板、玻纤增强塑料、碳纤维增强塑料、水泥纤维板、金属板	在带钉子的木材、砖石以及其他复合材料和研磨材料上实现无毛刺分割式和插入式锯切；采用BOSCH Carbide Technology延长使用寿命； 例如：切断窗框中的螺栓
 AIZ 45 AIT Starlock 45×50毫米金属	硬质含铁金属、高磨蚀性材料、玻璃纤维、石膏板、水泥纤维	用于锯切高磨蚀性材料或硬质含铁金属的加宽锯片；采用BOSCH Carbide Technology延长使用寿命；

切削附件	材料	用途
	用Carbide圆锯锯片	维板、淬火钉子和螺栓
	PAII 52 APIT StarLock Plus 52×50毫米复合材料用Carbide圆锯锯片	硬质含铁金属板、环氧化物、石膏板、玻纤增强塑料、碳纤维增强塑料、水泥纤维板
	AYZ 53 BPB StarLock 53×40毫米复合材料用圆锯锯片	石膏板、刨花板、夹层材料、木材
	AII 65 APIB StarLock 65×40毫米木材和金属用双金属圆锯锯片	软木、硬木、镶面板、带塑料涂层的板、淬火钉子和螺栓
	ACZ 85 EIB StarLock 85毫米直径木材和金属用双金属节段锯片	木质材料、塑料、软质有色金属
	ACZ 100 SWB StarLock 100毫米直径复合材料用双金属节段锯齿刀片	隔离材料、隔音板、地板、脚步声隔音板、纸板、地毯、橡胶、皮革
	ACZ 105 ET StarLock 105毫米直径复合材料用Carbide节段锯片	水泥纤维板、瓷砖接缝、烧结砖、玻璃纤维增强型塑料、层压板
	ACZ 85 RD4 StarLock 85毫米直径砂浆和研磨材料用Diamant-Riff节段锯片	水泥接缝、软墙砖、玻璃纤维增强型塑料、环氧树脂、GKF
	AVZ 70 RT4 StarLock 70毫米宽Carbide-Riff砂浆清除器	砂浆、接缝、环氧树脂、玻璃纤维增强型塑料、研磨材料
	AVZ 90 RT2 StarLock 90毫米宽砂浆和研磨材料用Carbide-Riff三角板	砂浆、混凝土残留物、木材、研磨材料、颜料
	AVZ 93 G StarLock 93毫米宽针对93毫米三角形砂纸系列的磨板	视砂纸的种类而定
		例如：切割厨房前面板，简单锯切淬火螺栓和不锈钢
		通过圆形锯齿边 (Curved-Tec) 在金属板上实现无毛刺分割式和插入式锯切的加长锯片；采用BOSCH Carbide Technology延长使用寿命；例如：切割金属板，切断窗框中的螺栓
		专为接下来长时间切割的圆锯锯切而优化；通过Dual-Tec-Form可在角落以及长时间切割时确保锯切干净完整；例如：在石膏板或木墙上为电源插座开孔
		通过圆形锯齿边 (Curved-Tec) 在带涂层的板材或硬木上实现无毛刺分割式和插入式锯切；例如：切短门框，在层压板上为货架或已安装的家具开孔，切平淬火钉子和螺栓
		分割式和插入式锯切；也可在难够到的区域紧靠边缘锯割；例如：切短已安装的踢脚板或门框，拼接地板时插入式切割
		精准切割软质材料；例如：切割隔音板，切平突出的隔离材料
		分割式和插入式锯切；也可在难够到的区域紧靠边缘锯割；采用BOSCH Carbide Technology延长使用寿命；例如：切短已安装的踢脚板或门框，在烧结砖中铣削电缆槽，快速无尘切出瓷砖接缝，分割仪表用玻璃纤维板，拼接层压板
		在紧靠边缘、角落或难够到的区域切割和分割；通过Diamant-Riff确保更长的使用寿命；比如：美化操作时清除墙砖接缝，为瓷砖开孔；还提供Carbide-Riff版本：ACZ 85 RT3
		铣削分割接缝和瓷砖材料，在硬地基上锉擦和打磨；采用BOSCH Carbide Technology延长使用寿命；例如：清除瓷砖粘剂和接缝砂浆
		在硬地基上锉擦和打磨；例如：清除砂浆或瓷砖粘剂（如更换损坏的瓷砖时），清除残留的地毯胶，清除残留的颜料；可提供目数20 (RT2)、40 (RT4)、60 (RT6) 或100 (RT10)
		在边缘、角落或难够到的区域进行打磨；根据砂纸而定，例如打磨木材、颜料、油漆、石材；用于清洁、打磨木材纹理、金属除锈、打磨油漆的羊毛、预抛光毛毡

切削附件	材料	用途
	木材、管材/型材、颜料、油漆、填料、金属	最大以振动次数等级“4”进行打磨。过高的振动次数会大幅增加工具刀头的磨损程度，或者可能导致工具刀头过早失灵。
	木材、颜料	打磨难够到位置的木材或颜料，无需砂纸；采用 BOSCH Carbide Technology 延长使用寿命；例如：磨除百叶窗膜片之间的颜料，打磨木地板的角落；可提供目数40 (RT4) 和100 (RT10)
	伸缩缝、腻子、隔音材料（石棉）	切割和分割软质材料；例如：切割硅酮伸缩缝或腻子
	屋顶油毡、地毯、人造草皮、纸板、PVC 地板	快速精准切割软质材料和柔性耐磨材料；例如：切割地毯、纸板、PVC 地板，在屋面油毡上开孔
	地毯、砂浆、混凝土、瓷砖粘合剂	在硬地上刮削；例如：清除砂浆、瓷砖粘合剂、残留的混凝土和地毯胶；可提供柔性刮刀 ATZ 52 SFC（软质地毯胶/残留的颜料）

安装/更换工具刀头

必要时得拆除已经装在机器上的工具。

为此将 Starlock 控制杆 **(7)** 打开至限位。工具刀头落下。Starlock 控制杆 **(7)** 自动再次关闭。

将所需的工具刀头（比如插入式锯片 **(12)**）放到工具夹头 **(8)** 上，使凹口朝下（参见图形页上的图示，可从上方读取工具刀头的标记）。

将工具刀头放在针对各项操作最合适的位置。有12个夹角是30°的固定位置。

在所需位置将工具刀头牢牢压到工具夹头夹爪上，直至自动卡止。

▶ **检查工具刀头是否牢固固定。** 安装方式错误或者未牢牢地固定好工具，工具会在操作中途中松开并伤害您。

安装和调节限深器

用节段锯片和插入式锯片进行作业时可以使用限深器 **(10)**。

必要时得拆除已经装在机器上的工具。

在所需位置推动限深器 **(10)** 至限位，穿过工具夹头 **(8)** 一直推到电动工具夹头上。卡住限深器。有12个夹角是30°的固定位置。

设定所需的工作深度。按压限深器夹紧杆 **(11)** 来固定限深器。

选择砂纸

根据工件的物料和希望的物表研磨效果，选择合适的砂纸：

砂纸	材料	用途	目数	振动次数等级
PRO F460	- 所有木材（比如硬木、软木、刨花板、人造板） - 金属	对于初磨，例如粗糙、未刨光的方木和木板	粗	40 1-4 60
		用于平面打磨和磨平轻微的不平整表面	中	80 1-4 100 120
		粗磨和细磨木材	细	180 1-4 240

砂纸	材料	用途	目数	振动次数等级
PRO F460	- 颜色 - 油漆 - 填料 - 填隙料	磨除颜料层	粗	40 1-4 60
		用于打磨底漆（比如磨除刷子痕迹、滴状油漆和条状油漆）	中	80 1-4 100 120
		上漆前磨平底料	细	180 1-4 240

把砂纸安装在磨板上/更换砂纸

磨板 (14) 带有尼龙织物，因此可通过魔术贴快速便捷地固定砂纸。

装入砂纸 (15) 前，请先敲出磨板 (14) 的尼龙织物，以便实现最佳粘合作用。

将砂纸 (15) 紧贴磨板 (14) 一侧，然后将砂纸放到磨板上并压紧。

注意将砂纸的冲孔与磨板上的孔重叠，以确保最佳的集尘效果。

如需取下砂纸 (15)，请抓住顶部，然后从磨板 (14) 上取下。

您可以使用 **Bosch** 附件目录中 Delta 93 毫米系列的所有砂纸、抛光无纺布和清洁无纺布。

您可以使用相同的方式把研磨附件，例如纤维网/抛光毛毡等，固定在磨板上。

使用研磨附件，例如砂纸或磨板时，最大以振动次数等级“4”进行操作。过高的振动次数会大幅增加工具刀头的磨损程度，或者可能导致工具刀头过早失灵。请注意工具刀头或工具刀头外包装上的数据。

吸锯尘/吸锯屑

在没有采取减尘措施的情况下避免作业。合适的集尘装置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。尽可能使用适合材料的集尘装置。请留心并遵守贵国和加工物料有关的法规。

► **避免让工作场所堆积过多的尘垢。** 尘埃容易被点燃。

对吸尘器的要求		
推荐的软管额定直径	毫米	35
所需的负压 ^{A)}	毫巴	≥ 230
	百帕	≥ 230
所需的流量 ^{A)}	升/秒	≥ 36
	立方米/小时	≥ 129.6
所推荐的过滤效率		M级粉尘^{B)}

A) 电动工具吸尘器接口上的功率值

B) 符合 IEC/EN 60335-2-69

注意吸尘器的说明书。抽吸功率降低时请中断作业，然后排查原因。

连接吸尘器 (见图A)

集尘装置仅可用于带磨板 (14) 作业，不可与其他工具刀头组合使用。

打磨时应始终连接集尘装置。

安装集尘装置时，请取下工具刀头和限深器 (10)。将集尘装置 (13) 推至限位，穿过工具夹头 (8) 一直推到电动工具夹颈上。按压夹紧杆 (16) 以锁止集尘装置。

将吸尘器的集尘软管 (19) 插入集尘装置 (13) 的抽吸套管 (17) 并卡止。

或者可以将集尘适配器 (18) 插入集尘装置的抽吸套管 (17)，将集尘软管 (19) 插入集尘适配器 (18)。

将吸尘软管 (19) 与吸尘器 (附件) 连接。

在本使用说明书的末尾可以找到各种集尘器的连接概览。

根据工件的物料选择合适的吸尘装置。

吸集可能危害健康，可能导致癌症或干燥的废尘时，务必使用特殊的吸尘装置。

运行

投入使用

开动/关闭

► **请确保握住手柄时可以开启/关闭开关。**

接通 电动工具时，需向前推动接通/关闭开关 (2)，使开关上出现“1”符号。

关闭 电动工具时，需向后推动电源开关 (2)，使开关上出现“0”符号。

工作灯改善了紧邻工作区域内的能见度。工作灯通过电动工具自动开关。

► **勿直视工作灯，强光会刺眼。**

提示： 电动工具因充电电池电量消耗完毕或过热而自动关闭，然后请通过接通/关闭开关 (2) 关闭电动工具。

再次接通电动工具前，请冷却充电电池或电动工具。否则可能会损坏充电电池。

设定振荡次数

利用振荡次数预选调节轮 (6) 也可以在运行过程中预选所需的振荡次数。

正确的振荡次数是由工件和工作条件决定，唯有实际操作才能够找出最合适的振荡次数。

- 锯切木材时建议最大使用振动次数等级“6”。

- 打磨时最大适用振动次数等级“4”。

- 锯切塑料和金属时最大适用振动次数等级“4”。

注意： 遵照工具刀头或工具刀头包装上关于最大振动次数的信息。使用工具刀头，例如研磨工具刀头和有锯齿缘的工具刀头时，最大以振动次数等级“4”进行操作。

提示：过高的振动次数会大幅增加工具刀头的磨损程度，或者可能导致工具刀头过早失灵。

工作提示

▶ **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。

▶ **等待电动工具完全静止后才能够放下机器。**

提示：操作过程中，切勿遮挡电动工具的通气孔(5)，否则会缩短电动工具的使用寿命。

操作准则

通过振荡驱动，工具刀头每分钟来回3度摆动达**18000**次。在极其狭窄的空间也可以精确操作。



使用轻微且均匀的下压力操作机器，否则不仅会降低操作功率，也会让安装在机器上的工具卡住。



操作时要左右移动电动工具，这样可以避免安装在机器上的工具过热并且可以避免工具被卡住。

锯割

▶ **只能使用未受损的功能正常的锯片。**弯曲或变形的锯片可能断裂，对锯痕造成负面影响或导致反弹。

▶ **锯割轻建材时，必须注意有关的法令规定以及材料供应商提供的建议事宜。**

▶ **在切入式锯切工艺中，仅允许加工软材料，比如木材、石膏板等类似材料！**

▶ **确保待切割的工件后方没有电线。**

使用高碳钢（HCS）锯片锯切木材、刨花板、建筑材料前应检查是否有异物，比如钉子、螺栓等类似物质。必要时得清除这些异物或者改用双金属锯片。

分割

提示：切割墙砖时应注意工具刀头长时间使用后会有较严重的磨损。

研磨

磨除功率和研磨的效果原则上是由所选择的砂纸、设定的振荡级和操作机器时施压的大小来决定的。只有完好的砂纸才能够提高研磨功率，并且保护电动工具。

操作机器时要均匀施压，如此才能够提高砂纸的使用寿命。

在机器上过度施压，不仅无法提高研磨功率，反而会加重电动工具的磨损和磨板的过早失灵。

为了在角落、边缘和不易进入的区域精确地研磨，您可以使用磨板的尖端或侧缘进行研磨。

点状打磨时，砂纸会变得非常热。减小振频和压力，让砂纸定期冷却。

不可以使用研磨过金属的砂纸研磨其它的物料。

请只使用**Bosch**原装研磨附件。

打磨时应始终连接集尘装置。

刮削

刮削时必须选择高振荡级。

以较平的角度和较小的压力在软底面（比如木材）上进行操作。否则刮铲可能切入底垫中。

减震装置



内置减震装置可减轻出现的振动。

温感式过载保护装置

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会导致转速降低或造成电动工具关闭。如果转速降低，电动工具只有在达到允许的充电电池温度或负荷降低后，才会重新全速运行。如果自动关闭，请关闭电动工具，让充电电池冷却，然后重新开动电动工具。

维修和服务

维护和清洁

▶ **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。**

定期使用钢丝刷清洁有锯齿缘的安装工具。

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

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。



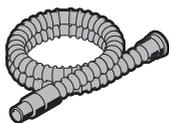
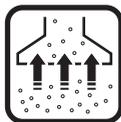
不可以把电动工具和充电电池/蓄电池丢入一般的家庭垃圾中！

符合欧盟2023/2854号法令的产品数据信息

产品数据类型

产品数据记录

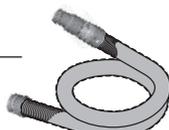
数据访问和数据格式



Ø 28 mm:
2 608 000 772 (3.2 m)



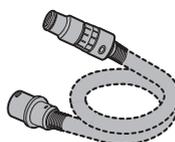
GAS 18V-12 MC



Ø 28 mm:
2 608 000 885 (4 m)



GAS 12-40 MA



Ø 22 mm:
2 608 000 567 (5 m)
Ø 35 mm:
2 608 000 565 (5 m)



GAS 35 M AFC



GAS 55 M AFC



Ø 22 mm:
2 608 000 568 (5 m)
Ø 35 mm:
2 608 000 566 (5 m)

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1.1 GCE-Math-Apache-2.0

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1.2 CMSIS_5 v5.9.0 – Apache-2.0

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1.5 - MFixedPoint, v8.0.2 – MIT

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1.6 picolibc, v1.8.8

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