



# Professional HEAVY DUTY

## GSS18V-18

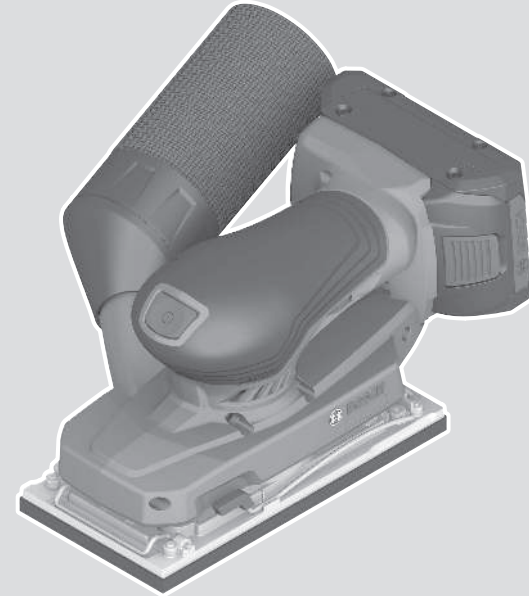
Robert Bosch Power Tools GmbH  
70538 Stuttgart  
GERMANY

[www.bosch-pt.com](http://www.bosch-pt.com)

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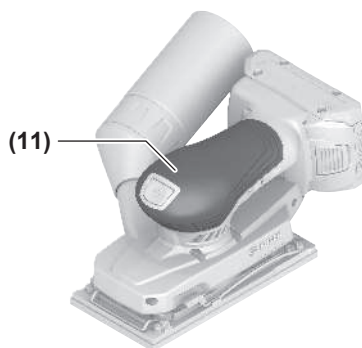
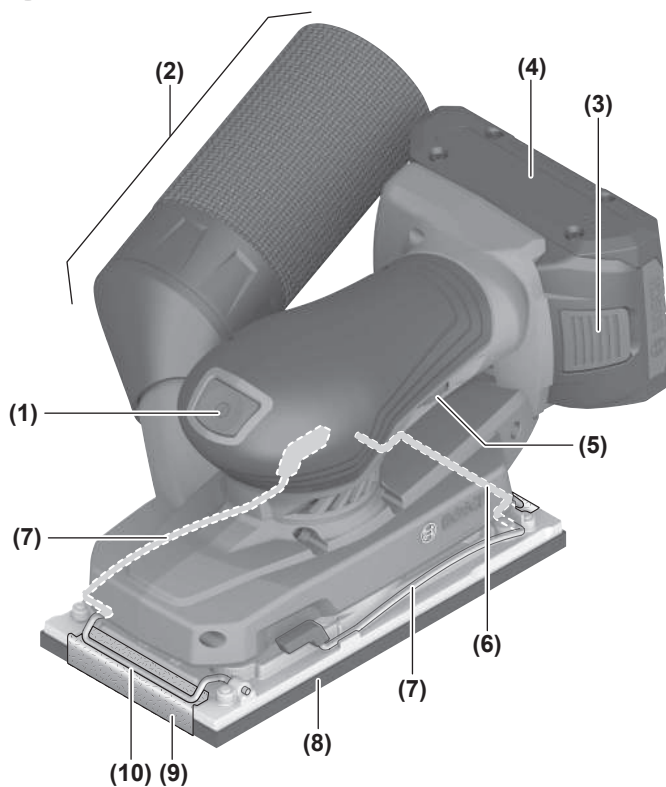


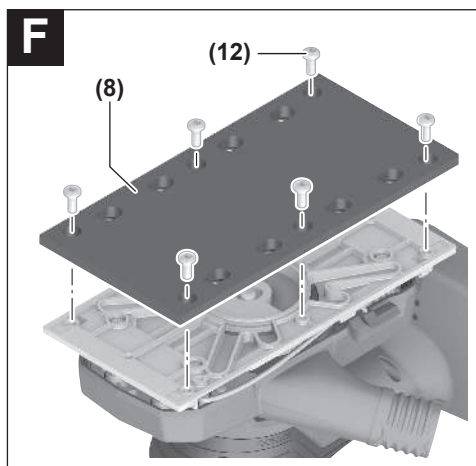
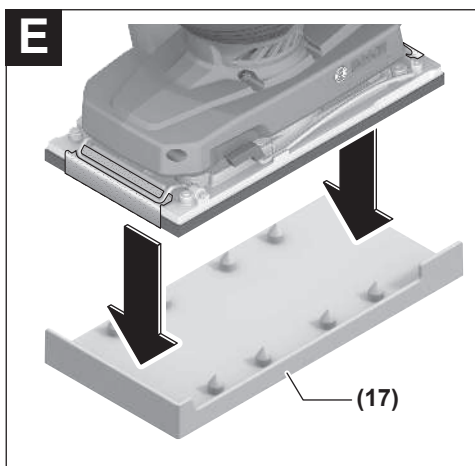
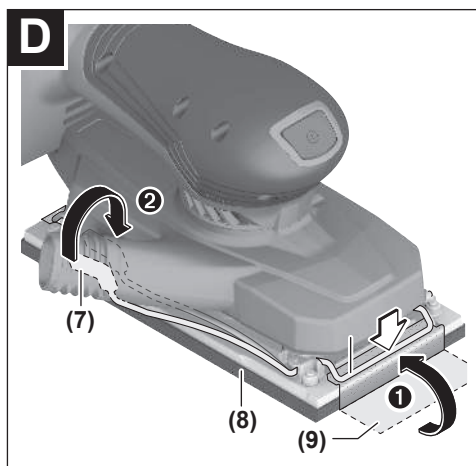
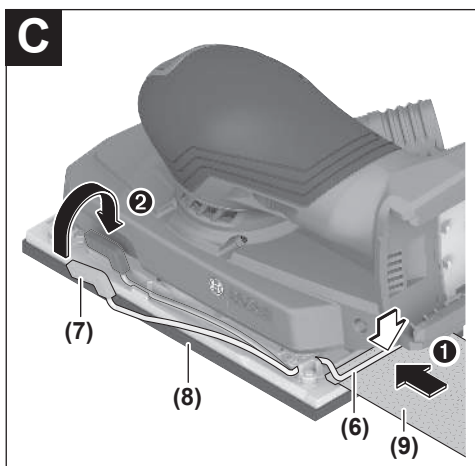
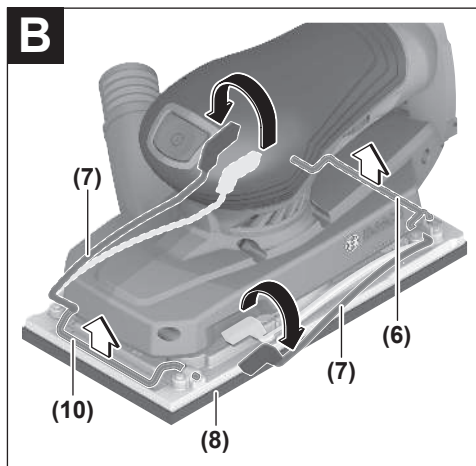
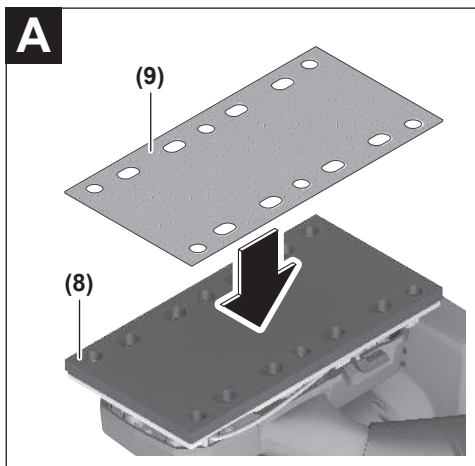
zh 正本使用说明书

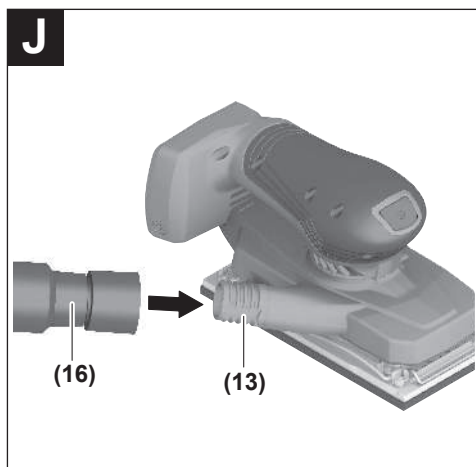
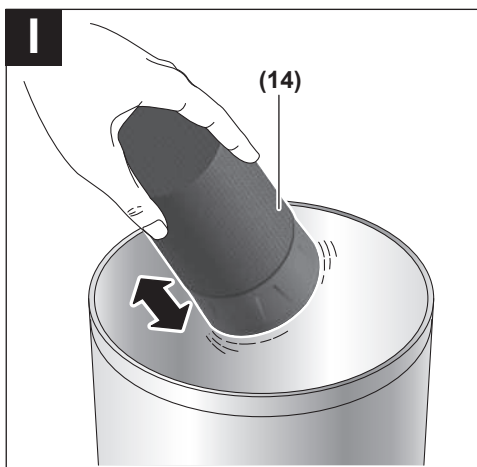
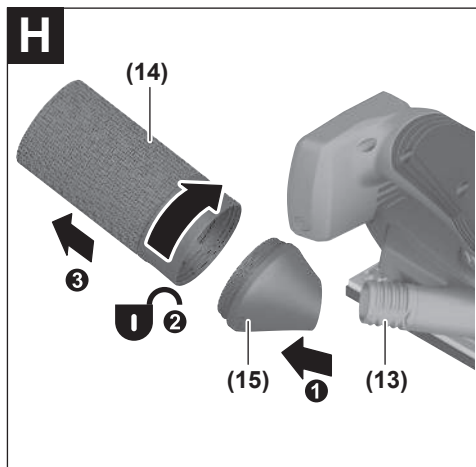
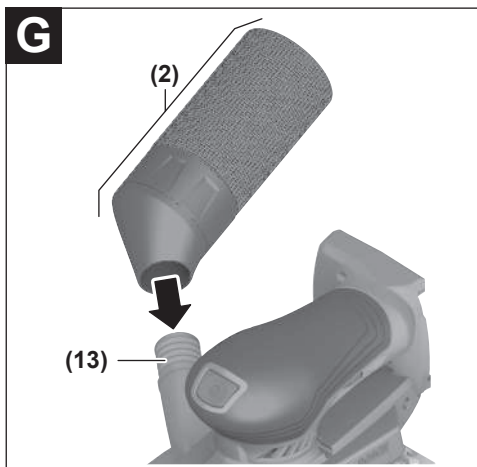


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# 中文

## 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。
- ▶ 防止意外启动。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启动的风险。
- ▶ 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。

针对砂光机的安全警告

- ▶ **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。**集尘袋、微过滤器、纸袋（或者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。
- ▶ **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。
- ▶ **固定好工件。**使用固定装置或老虎钳固定工件，会比用手持握工件更牢固。
- ▶ **等待电动工具完全静止后才能够放下机器。**
- ▶ **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。**



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

本电动工具适合在木材，塑料，金属，填隙料和涂了油漆的表面上干磨。

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) 电源开关
- (2) 集尘袋总成
- (3) 充电电池的解锁按钮
- (4) 充电电池<sup>a)</sup>
- (5) 振动次数预选调节轮
- (6) 后部夹条
- (7) 卡箍（2个）
- (8) 磨板
- (9) 砂纸
- (10) 前部夹条
- (11) 手柄（绝缘握柄）
- (12) 磨板螺栓
- (13) 排气孔接头
- (14) 集尘袋
- (15) 集尘袋适配接口
- (16) 集尘软管<sup>a)</sup>
- (17) 穿孔工具<sup>a)</sup>

a) 该附件并不包含在基本的供货范围中。

技术数据

振动磨机		GSS18V-18
物品代码		3 601 JR7 0..
额定电压	伏特=	18
空载转速 <sup>A)</sup>	转/分钟	5000-10000
空载振动次数 <sup>A)</sup>	转/分钟	10000-20000
振动圆直径	毫米	2
磨板尺寸	毫米	182 x 92
重量 <sup>B)</sup>	公斤	1.2
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 <sup>C)</sup>	摄氏度	-15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... ≥ 4.0安培小时 EXPERT18V...
推荐的充电器		GAL18... GAL 18... GAL 36... GAL12V/18...

## 振动磨机

GSS18V-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](http://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](http://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。

### 更换磨板（见图片F）

可根据需求更换磨板（8）。

小心地旋出4个螺栓（12），然后取下磨板（8）。装上新磨板（8），然后重新拧紧螺栓。

### 更换砂纸

装入新砂纸前，用刷子清除磨板（8）上的脏污和灰尘。

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。

带魔术贴的砂纸（见图片A）

如果磨板(8)带有尼龙织物，则可通过魔术贴快速便捷地固定砂纸。

装入砂纸(9)前，请先敲出磨板(8)的尼龙织物，以便实现最佳粘合效果。

将砂纸(9)紧贴磨板(8)一侧，然后将砂纸放到磨板上并压紧。

如需取下砂纸(9)，请抓住顶部，然后从磨板(8)上取下。

不带魔术贴的砂纸（参见插图B-D）

- ❶ 将两个卡箍(7)从止动件中松开，然后将其向下翻转。
- ❷ 将砂纸(9)插入后部夹条(6)下方。确保砂纸(9)不要太短并正确夹紧。将卡箍(7)翻转回初始位置并将其锁止在那里。
- ❸ 将砂纸紧绷地铺在磨板(8)上。将砂纸前部夹紧在前部夹条(10)下方。确保砂纸(9)不要太短并正确夹紧。将卡箍(7)翻转回初始位置并将其锁止在那里。

无孔砂纸，比如整卷或整米卖的砂纸，可以用穿孔工具(17)为其打孔，以便能够吸尘。为此，请将已安装好砂纸的电动工具压到穿孔工具上（见图片E）。

要取下砂纸(9)，松开两个卡箍(7)，然后将砂纸从其底座中取出。

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：

目数		
<b>red:Wood</b>		
40-240		
用于加工所有木质材料		
对于初磨，例如粗糙、未刨光的方木和木板	粗	40, 60
用于平面打磨和磨平轻微的不平整表面	中	80, 100, 120
在硬木上做最后的研磨和精磨工作	细	180, 240

<b>white:Paint</b>		
40 - 320		
加工颜料/漆料或底料、填料等		
磨除颜料层	粗	40, 60
打磨底漆	中	80, 100, 120
上漆前磨平底料	细	180, 240, 320

吸锯尘/吸锯屑

在没有采取减尘措施的情况下避免作业。合适的集尘装置或集尘盒/集尘袋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，请在使用集尘盒时及时清空该盒并定期清洁滤芯。使用集尘器时注意以下提及的要求。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	28
所需的负压 <sup>A)</sup>	毫巴	≥ 220
	百帕	≥ 220
所需的流量 <sup>A)</sup>	升/秒	≥ 28
	立方米/小时	≥ 100.8
所推荐的过滤效率	M级粉尘 <sup>B)</sup>	

- 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。

外部集尘（参见插图J）

将集尘软管(16)插到吸尘器转换接口(13)上。将集尘软管(16)与吸尘器连接。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。吸尘可能危害健康，可能导致癌症或干燥的废尘时，务必使用特殊的吸尘装置。在垂直的平面上操作电动工具时，必须以吸管朝下的方式握持电动工具。

利用集尘盒自集尘（参见插图G-I）

放上集尘袋总成(2)并套到吸尘器转换接口(13)上，直到与工具平齐。要排空集尘袋(14)，将集尘袋总成(2)从吸尘器转换接口(13)上拉下来。将适配接口(15)从集尘袋(14)上拧下并排空集尘袋。提示：为了确保最佳吸尘效果，请及时排空集尘袋(14)。在垂直的平面上工作时，必须以集尘袋(2)朝下的方式握持电动工具。

操作

投入使用

- 接通/关闭
- 请确保握住手柄时可以开启/关闭开关。
- 如要接通电动工具，请按压电源开关(1)。
- 要关闭电动工具，重新按压电源开关(1)。

预选振动次数

利用振荡次数预选调节轮(5)也可以在运行过程中预选所需的振荡次数。

- 1–2 低振荡次数
- 3–4 中振荡次数
- 5–6 高振荡次数

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。

恒定电子装置可在急速和负载时保持振频几乎恒定，确保功率均匀。

使用低振荡次数长期操作之后，应该让电动工具以最大振荡次数空转约3分钟来帮助机器冷却。

### 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。**

磨除率和打磨效果主要取决于选择的砂纸和压紧力。

只有完好的砂纸才能够提高研磨功率，并且保护电动工具。开动电动工具，把整个研磨面平贴在待研磨的表面上，并均匀地在工件上移动机器。

操作机器时要均匀施压，如此才能够提高砂纸的使用寿命。

为了在角落、边缘和不易进入的区域精确地打磨，也可以只用磨板的尖端或侧缘进行打磨。

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

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。

## 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。**

### 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)	邻苯二甲酸二 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	O	O	O	O	O	O	O	O	O	O
外壳的非金属部分	O	O	O	O	O	O	O	O	O	O
机械传动机构	X	O	O	O	O	O	O	O	O	O
电机组件	X	O	O	O	O	O	O	O	O	O
控制组件	X	O	O	O	O	O	O	O	O	O
附件	O	O	O	O	O	O	O	O	O	O
配件	O	O	O	O	O	O	O	O	O	O
连接件	X	O	O	O	O	O	O	O	O	O
电源线①	O	O	O	O	O	O	O	O	O	O
电池系统②	O	O	O	O	O	O	O	O	O	O

注1:

o: 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。

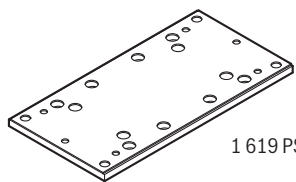
注2:

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。

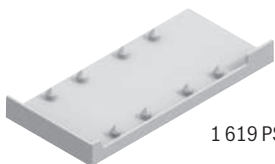
①适用于采用电源线连接供电的产品。

②适用于采用充电电池供电的产品。

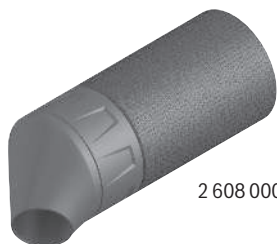
产品环保使用期限内的使用条件参见产品说明书。



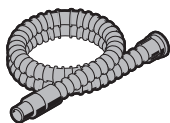
1 619 PS3 896



1 619 PS1 082



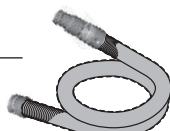
2 608 000 715



Ø 28 mm:  
2 608 000 772 (3 m)



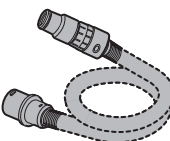
GAS 18V-12 MC



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 A06 (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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