



Professional HEAVY DUTY

GSS18V-18

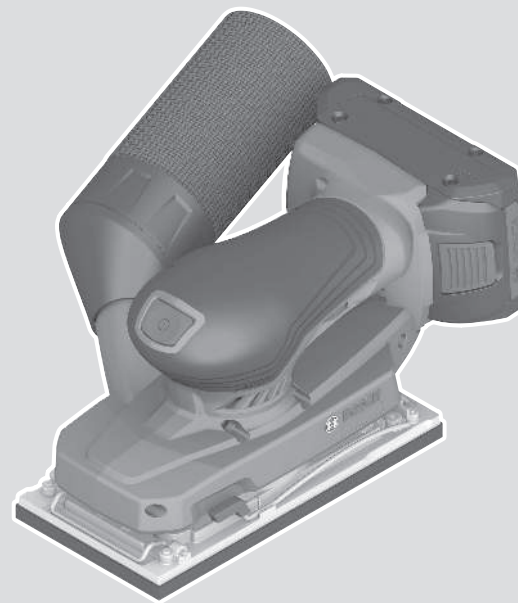
Robert Bosch Power Tools GmbH
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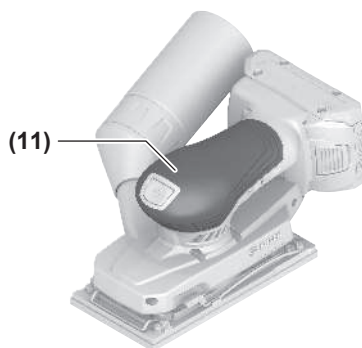
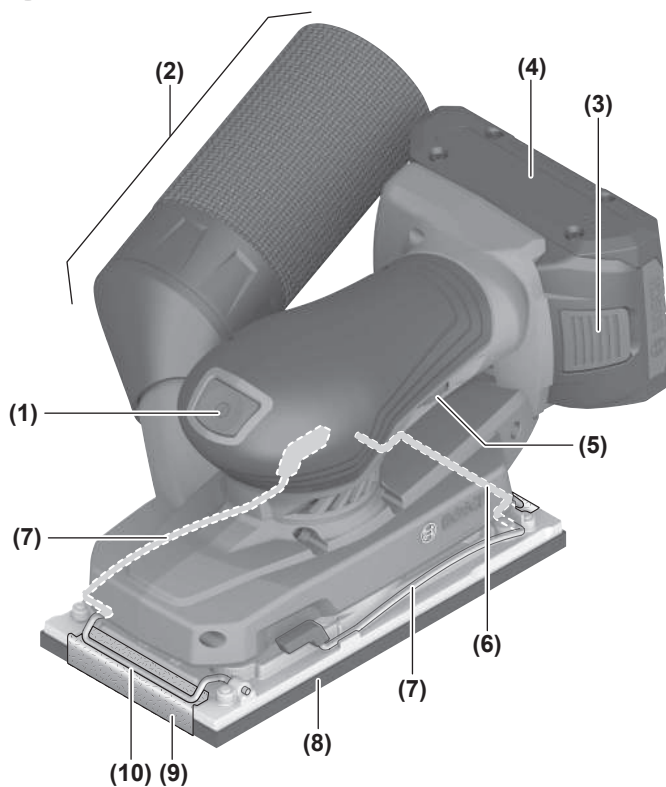


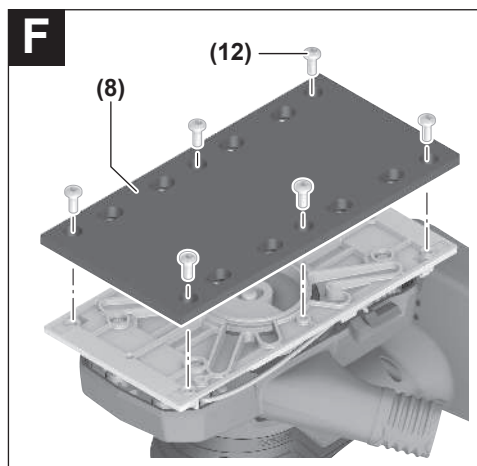
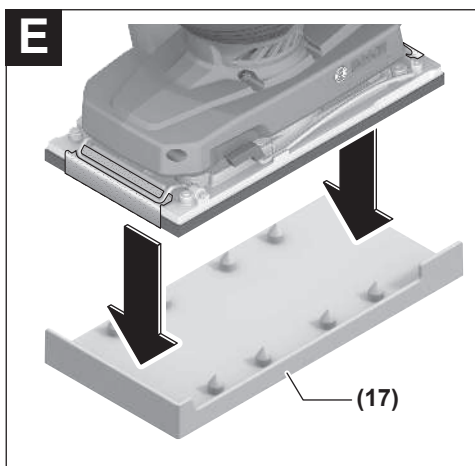
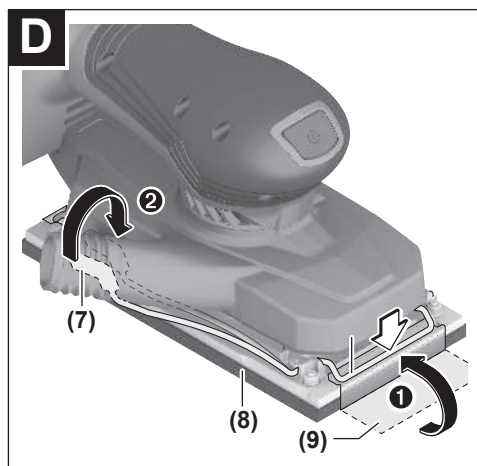
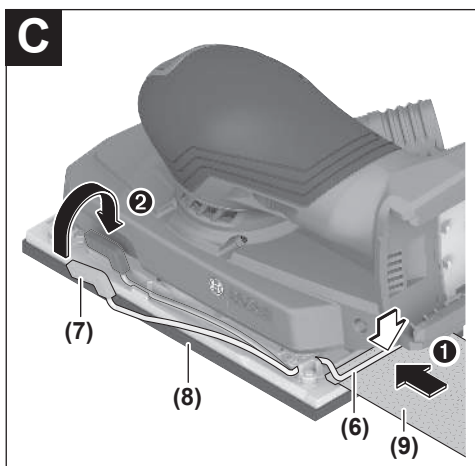
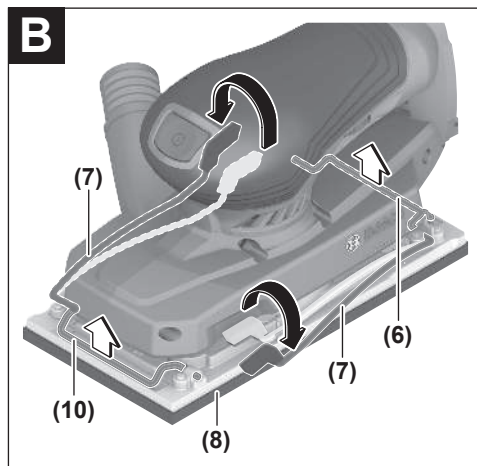
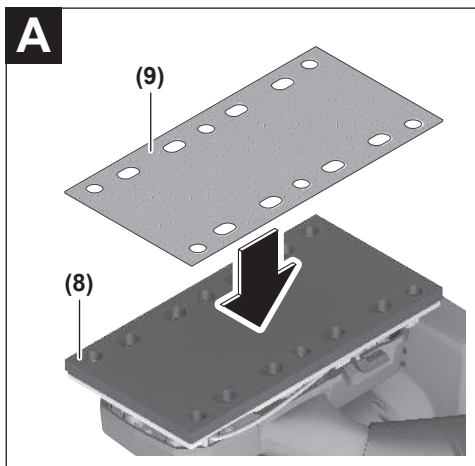
zh 原始使用說明書

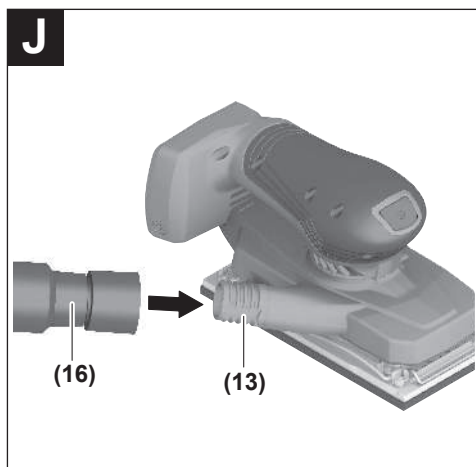
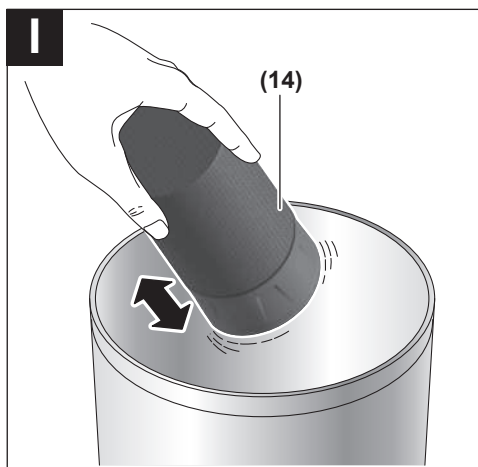
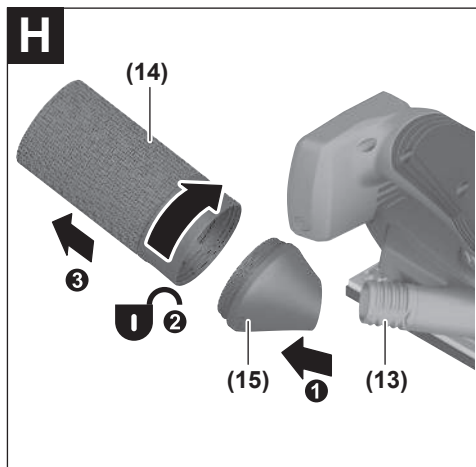
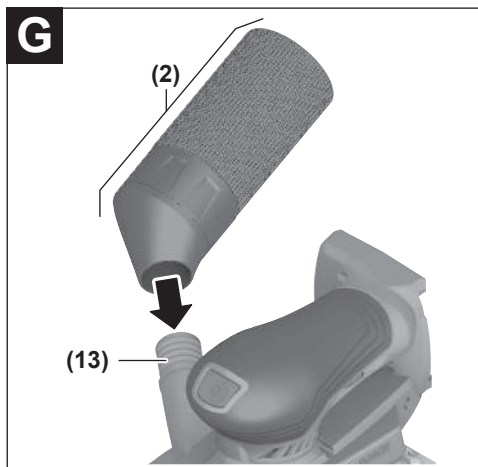


繁體中文.....	頁 6
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繁體中文

安全注意事項

電動工具一般安全注意事項

警告

請詳讀工作臺及電動工具的所有安全警告與使用說明。若不

遵照以下列出的指示，將可能導致電擊、著火和 / 或人員重傷。

保存所有警告和說明書以備查閱。

在所有警告中，「電動工具」此一名詞泛指：以市電驅動的（有線）電動工具或是以電池驅動的（無線）電動工具。

工作場地的安全

- ▶ 保持工作場地清潔和明亮。混亂和黑暗的場地會引發事故。
- ▶ 不要在易爆環境，如有易燃液體、氣體或粉塵的環境下操作電動工具。電動工具產生的火花會點燃粉塵或氣體。
- ▶ 讓兒童和旁觀者離開後操作電動工具。注意力不集中會使您失去對工具的控制。

電氣安全

- ▶ 不得將電動工具暴露在雨中或潮濕環境中。水進入電動工具將增加電擊危險。

人身安全

- ▶ 保持警覺，當操作電動工具時關注所從事的操作並保持清醒。當您感到疲倦，或在有藥物、酒精或治療反應時，不要操作電動工具。在操作電動工具時瞬間的疏忽會導致嚴重人身傷害。
- ▶ 使用個人防護裝置。始終佩戴護目鏡。安全裝置，諸如適當條件下使用防塵面具、防滑安全鞋、安全帽、聽力防護等裝置能減少人身傷害。
- ▶ 防止意外起動。確保開關在連接電源和 / 或電池盒、拿起或搬運工具時處於關閉位置。手指放在已接通電源的開關上或開關處於接通時插入插頭可能會導致危險。
- ▶ 在電動工具接通之前，拿掉所有調節鑰匙或扳手。遺留在電動工具旋轉零件上的扳手或鑰匙會導致人身傷害。
- ▶ 手不要伸展得太長。時刻注意立足點和身體平衡。這樣在意外情況下能很好地控制電動工具。
- ▶ 著裝適當。不要穿寬鬆衣服或佩戴飾品。讓您的衣物及頭髮遠離運動部件。寬鬆衣服、佩飾或長髮可能會捲入運動部件中。
- ▶ 如果提供了與排屑、集塵設備連接用的裝置，要確保他們連接完好且使用得當。使用這些裝置可減少塵屑引起的危險。
- ▶ 切勿因經常使用工具所累積的熟練感而過度自信，輕忽工具的安全守則。任何一個魯莽的舉動都可能瞬間造成人員重傷。

電動工具使用和注意事項

- ▶ 不要濫用電動工具，根據用途使用適當的電動工具。選用適當設計的電動工具會使您工作更有效、更安全。
- ▶ 如果開關不能開啟或關閉工具電源，則不能使用該電動工具。不能用開關來控制的電動工具是危險的且必須進行修理。
- ▶ 在進行任何調整、更換配件或貯存電動工具之前，必須從電源上拔掉插頭並 / 或取出電池盒。這種防護性措施將減少工具意外起動的危險。
- ▶ 將閒置不用的電動工具貯存在兒童所及範圍之外，並且不要讓不熟悉電動工具或對這些說明不瞭解的人操作電動工具。電動工具在未經培訓的用戶手中是危險的。
- ▶ 保養電動工具與配備。檢查運動件是否調整到位或卡住，檢查零件破損情況和影響電動工具運行的其他狀況。如有損壞，電動工具應在使用前修理好。許多事故由維護不良的電動工具引發。
- ▶ 保持切削刀具鋒利和清潔。保養良好的有鋒利切削刃的刀具不易卡住而且容易控制。
- ▶ 按照使用說明書，考慮作業條件和進行的作業來使用電動工具、配件和工具的刀頭等。將電動工具用於那些與其用途不符的操作可能會導致危險。
- ▶ 把手及握持區應保持乾燥、潔淨，且不得沾染任何油液或油脂。易滑脫的把手及握持區將無法讓您在發生意外狀況時安全地抓緊並控制工具。

電池式工具使用和注意事項

- ▶ 只用製造商規定的充電器充電。將適用於某種電池盒的充電器用到其他電池盒時會發生著火危險。
- ▶ 只有在配有專用電池盒的情況下才使用電動工具。使用其他電池盒會發生損壞和著火危險。
- ▶ 當電池盒不用時，將它遠離其他金屬物體，例如回形針、硬幣、鑰匙、釘子、螺絲或其他小金屬物體，以防一端與另一端連接。電池端部短路會引起燃燒或火災。
- ▶ 在濫用條件下，液體會從電池中濺出；避免接觸。如果意外碰到了，用水沖洗。如果液體碰到了眼睛，還要尋求醫療幫助。從電池中濺出的液體會發生腐蝕或燃燒。
- ▶ 請勿使用已受損或經改裝的電池盒。已受損或經改裝的電池組可能出現無法預期的反應，進而導致著火、爆炸或造成人員受傷。
- ▶ 勿讓電池盒或工具靠近火源或暴露於異常溫度環境中。若是靠近火源或暴露在超過 130 °C 的環境中可能造成爆炸。
- ▶ 請完全遵照所有的充電說明，電池盒或工具的溫度若是超出指示的規定範圍，請勿進行充電。不當充電或是在未規定的溫度範圍內進行充電，皆可能造成電池損壞並面臨更高的著火風險。

檢修

- ▶ 將您的電動工具送交專業維修人員，必須使用同樣的備件進行更換。這樣將確保所維修的電動工具的安全性。

- **請勿自行檢修受損的電池盒。**電池組應交由製造商或是獲得授權的服務供應商來進行檢修。

砂磨機安全注意事項

- **本電動工具僅適用於乾式研磨。**水進入電動工具將增加電擊危險。
- **請注意：有失火之虞！**請避免砂磨材料或砂帶機過熱。暫停作業之前請務必清空集塵容器。集塵袋、超微細過濾器、紙袋內（或吸塵器過濾袋 / 濾材內）的研磨粉塵可能在不利條件下自行點燃，例如研磨金屬時所產生的火花。尤其是當研磨粉塵若混入殘留的烤漆、聚胺酯或其他化學物質，而且在經過長時間運轉後砂磨材料的溫度又極高時，這種情形特別具危險性。
- **請定期清潔電動工具的通風口。**電動機風扇會將灰塵吸進機殼，過多的金屬粉末沉積會導致電氣危險。
- **固定好工件。**使用固定裝置或老虎鉗固定工件，會比用手持握工件更牢固。
- **等待電動工具完全靜止後才能夠放下機器。**
- **如果充電電池損壞了，或者未按照規定使用充電電池，充電電池中會散發出有毒蒸氣。充電電池可能起火或爆炸。**工作場所必須保持空氣流通，如果身體有任何不適必須馬上就醫。充電電池散發的蒸氣會刺激呼吸道。
- **切勿改裝拆開充電電池。**可能造成短路。
- **尖銳物品（例如釘子或螺絲起子）或是外力皆有可能造成充電電池損壞。**進而導致內部短路而發生電池起火、冒煙、爆炸或過熱等事故。
- **僅可在製造商的產品中使用充電電池。**如此才可提供過載保護。



保護充電電池免受高溫（例如長期日照）、火焰、污垢、水液和濕氣的侵害。有爆炸及短路之虞。



產品和功率描述



請詳讀所有安全注意事項和指示。如未遵守安全注意事項與指示，可能導致火災、人員遭受電擊及 / 或重傷。
請留意操作說明書中最前面的圖示。

依規定使用機器

本電動工具適合在木材、塑膠、金屬、填縫泥及上漆表面上進行乾式研磨。

插圖上的機件

機件的編號和電動工具詳解圖上的編號一致。

- (1) 起停開關
- (2) 集塵袋完整套件
- (3) 充電電池解鎖按鈕
- (4) 充電電池^{a)}
- (5) 振盪次數設定轉鈕
- (6) 後夾邊條

- (7) 夾箍 (2 x)
- (8) 磨板
- (9) 研磨片
- (10) 前夾邊條
- (11) 把手 (絕緣握柄)
- (12) 磨板螺栓
- (13) 排塵接管
- (14) 集塵袋
- (15) 集塵袋轉接頭
- (16) 吸塵管^{a)}
- (17) 打孔器^{a)}

a) 所述之配件並不包含在基本的供貨範圍中。

技術性數據

平板砂磨機		GSS18V-18
產品機號		3 601 JR7 0..
額定電壓	V=	18
無負載轉速 ^{A)}	/min	5000-10000
無負載振盪次數 ^{A)}	/min	10000-20000
振盪繞圈直徑	mm	2
磨板尺寸	mm	182 x 92
重量 ^{B)}	kg	1.2
充電狀態下的建議環境溫度	°C	0 ... +35
操作狀態下的容許環境溫度 ^{C)} 以及存放狀態下	°C	-15 ... +50
相容的充電電池		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
為確保最大效能而建議使用的充電電池		ProCORE18V... ≥ 4.0 Ah EXPERT18V...
建議使用的充電器		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) 於 20-25 °C 配備充電電池 **ProCORE18V 4.0Ah** 時測得。

B) 不含充電電池 (您可在 www.bosch-professional.com 找到充電電池重量)

C) 溫度 <0 °C 時，性能受限
數值可能因產品而異，並受使用條件以及環境條件影響。進一步資訊請見 www.bosch-professional.com/wac。

充電電池

Bosch 亦販售不含充電電池的充電式電動工具。可以從外包裝看出電動工具的供貨範圍是否包括電池。

為充電電池進行充電

► **只能選用技術性數據裡所列出的充電器。**僅有這些充電器適用於電動工具所使用的鋰離子充電電池。

提示：由於國際運輸規定，出貨時鋰離子充電電池已部分充電。初次使用電動工具之前，請先將充電電池充飽電以確保充電電池蓄滿電力。

安裝充電電池

將已充飽電的充電電池推至充電電池固定座內，直到卡緊。



取出充電電池

若要取出充電電池，請按解鎖鈕，然後將充電電池抽出。**不可以強行拉出充電電池。**

本充電電池具備了雙重鎖定功能，即使不小心按壓了充電電池解鎖按鈕，充電電池也不會從機器中掉落出來。固定彈簧會把充電電池夾緊在機器中。

充電電池的電量指示器

提示：並非所有的充電電池類型都有電量指示器。充電電池的電量指示器透過綠色 LED 燈告知充電電池的目前電量。基於安全顧慮，務必在電動工具完全靜止時才能檢查充電電池的電量。

按一下電量指示器按鈕  或 ，即可顯示目前的電量。即使已取出充電電池，此項功能仍可正常運作。

按壓電量顯示按鈕後，LED 燈若未亮起，即表示充電電池故障，必須予以更換。

充電電池型號 GBA 18V... | GBA18V...



LED	容量
3 顆綠燈持續亮起	60–100 %
2 顆綠燈持續亮起	30–60 %
1 顆綠燈持續亮起	5–30 %
1 顆綠燈呈閃爍狀態	0–5 %

充電電池型號 ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...




LED	容量
5 顆綠燈持續亮起	80–100 %
4 顆綠燈持續亮起	60–80 %
3 顆綠燈持續亮起	40–60 %


LED	容量
2 顆綠燈持續亮起	20–40 %
1 顆綠燈持續亮起	5–20 %
1 顆綠燈呈閃爍狀態	0–5 %


電池缺陷風險檢測

EXPERT18V... | EXBA18V...

電池電量指示器的 LED 燈除了顯示電池的充電狀態外，還可顯示電池缺陷的風險。

要啟用此功能，請按住電量指示器按鈕  3 秒鐘。電池電量指示器上的跑動燈號會顯示電池的分析結果。結果會顯示在電池電量指示器上。

 **1 個 LED 燈：**電池有很高的缺陷風險。效能和運作時間可能已經降低。建議更換電池。

 **5 個 LED 燈：**充電電池狀況良好，故障風險低。

請注意：電池缺陷風險評估分為兩個階段，並提供簡化的狀況評估。電池會被評估為狀況良好或缺陷風險增加。不會顯示電池狀況的百分比。

如何正確地使用充電電池

妥善保護充電電池，避免濕氣和水分滲入。

充電電池必須儲存在 -20 °C 至 50 °C 的環境中。夏天不可以把充電電池擱置在汽車中。

偶爾用柔軟、乾淨且乾燥的毛刷清潔充電電池的通氣孔。

充電後如果充電電池的使用時間明顯縮短，代表充電電池已經損壞，必須更換新的充電電池。

請您遵照廢棄物處理相關指示。

安裝

► **在電動工具上進行任何作業之前（例如維修，更換工具等等），請將機器中的電池取出。**若是不小心觸動起停開關，可能造成人員受傷。

更換磨板（請參考圖 F）

您可視需要更換磨板 (8)。

將 4 顆螺栓 (12) 完全旋出，並取下磨板 (8)。裝上新的磨板 (8)，然後旋緊螺栓。

更換研磨片

裝上新的研磨片之前，請用例如刷子清除磨板 (8) 上的髒污與粉塵。

請注意：為確保最佳吸塵效果，研磨片上的孔請對準磨板開孔位置。

具有魔鬼氈設計的研磨片（請參考圖 A）

若磨板 (8) 上有魔鬼氈設計，您便能快速又便利地固定研磨片。

裝上研磨片 (9) 之前，請拍掉磨板 (8) 魔鬼氈上的粉塵，以確保最佳附著力。

放上研磨片 (9) 時，請將它與磨板 (8) 的其中一邊對齊，接著將它研磨片整片鋪到磨板上，並確實壓緊。

若要取下研磨片 (9)，請從尖端處將它從磨板 (8) 上拆下。

無魔鬼氈設計的研磨片 (請參考圖 B-D)

- ❶ 從鎖扣中鬆開兩個夾箍 (7)，然後往下翻轉。
- ❷ 將研磨片 (9) 鋪到後夾邊條 (6) 底下。請注意研磨片 (9) 不得過短，且應正確夾緊。將夾箍 (7) 翻回原來位置並鎖緊至該處。
- ❸ 將砂紙包覆磨板 (8) 並繃緊。將研磨片前端確實夾入前夾邊條 (10) 底下。請注意研磨片 (9) 不得過短，且應正確夾緊。將夾箍 (7) 翻回原來位置並鎖緊至該處。

未打孔的研磨片 (例如採滾筒形式或捆捲形式販售之研磨片)，只要用打孔器 (17) 先打好孔，即可在吸塵時使用。其做法是，直接將已裝上研磨片的電動工具按壓在打孔器上 (詳見圖示 E)。

若要取下研磨片 (9)，請鬆開兩個夾箍 (7) 並將研磨片從其後方夾座中抽出。

選用研磨片

本公司特別針對欲進行加工之各種材質以及所需之表面磨除效果，推出各式研磨片供您選購：

粒度		
red:Wood		
40~240		
加工任一種木質材料		
粗加工研磨，例如未刨平的粗糙木樑及木板	粗	40、60
平面磨整以及整平凹凸不平處	中	80, 100, 120
在硬木上進行的最後一道研磨程序與精磨工作	細	180、240
white:Paint		
40 - 320		
處理顏料 / 漆料或底料、填縫泥等		
磨除顏料層	粗	40、60
拋光底色	中	80, 100, 120
磨平底料以方便上漆	細	180, 240, 320

吸鋸塵 / 吸鋸屑

避免在未採取減塵措施的情況下進行工作。

適合的吸塵裝置或集塵盒 / 袋可減少危害健康的粉塵污染。工作場所要保持空氣流通。原則上，請使用適合的呼吸防護裝置。使用集塵盒時，請適時將其清空並定期清潔濾芯，以確保最佳吸塵效果。

使用吸塵器時，請遵循下述要求。請留意並遵守貴國與加工物料有關的法規。

- ▶ 避免讓工作場所堆積過多的塵垢。塵埃容易被點燃。

對吸塵器之要求		
建議軟管額定直徑	mm	28
所需負壓 ^{A)}	mbar hPa	≥ 220 ≥ 220
所需流量 ^{A)}	l/s m³/h	≥ 28 ≥ 100.8
建議過濾效率		粉塵等級 M ^{B)}

A) 電動工具的吸塵器連接頭功率值
B) 符合 IEC/EN 60335-2-69
請遵循吸塵器說明書。如果吸塵力下降，請停止工作並排除原因。

外接的吸塵裝備 (請參考圖 J)

將吸塵管 (16) 插到排塵接管 (13) 上。

將吸塵軟管 (16) 與吸塵器連接起來。本手冊的最後面另外刊錄了連接不同類型吸塵器的操作概覽。


根據工件材質選擇合適的吸塵裝置。

吸集可能危害健康、可能致癌或乾燥的廢塵時，務必使用特殊吸塵裝置。

在垂直平面上操作電動工具時，必須以吸塵管朝下的方式握持電動工具。

機器本身的吸塵裝備，含集塵袋 (請參考圖 G-I)

裝入集塵袋完整套件 (2)，並將它推至排塵接管 (13) 上，直到它與工具齊平密合。

若要清空集塵袋 (14)，請將集塵袋完整套件 (2) 從排塵接管 (13) 上拔下。將轉接頭 (15) 從集塵袋 (14) 上旋開後取下 ，然後將集塵袋倒光。

提示：為確保最佳吸塵效果，請適時清空集塵袋 (14)。

在垂直平面上操作電動工具時，必須以集塵袋 (2) 朝下的方式握持電動工具。

操作

操作機器

啟動 / 關閉

- ▶ 請確定您不用放開把手，就能操作起停開關。
- 若要啟動電動工具：按下起停開關 (1)。
- 若要關閉電動工具：再次按下起停開關 (1)。

設定振蕩次數

利用振蕩次數設定轉鈕 (5)，即使是在工具運作期間，亦可按照需求設定振蕩次數。

- 1-2 低振蕩次數
- 3-4 中振蕩次數
- 5-6 高振蕩次數

正確的振蕩次數是由加工材質和工作條件決定，唯有實際操作才能夠找出最合適的振蕩次數。

電子穩定控制系統可在機器不論是空轉或負載時保持幾乎相同的振蕩次數，以確保運轉性能均衡一致。

使用低振蕩次數長期操作之後，應該讓電動工具以最大振蕩次數空轉約 3 分鐘來幫助機器冷卻。

作業注意事項

- ▶ 在電動工具上進行任何作業之前（例如維修，更換工具等等），請將機器中的電池取出。若是不小心觸動起停開關，可能造成人員受傷。
- ▶ 等待電動工具完全靜止後才能夠放下機器。

削磨性能和研磨效果基本上取決於研磨片的選擇和施予的壓力。

只有完好的研磨片才能夠提高研磨效率，並且保護電動工具。啟動電動工具，把整個研磨面平貼在待研磨的表面上，並均力地在工件上移動機器。

操作機器時要均力施壓，如此才能夠提高研磨片的使用壽命。

為了在角落、邊緣和不易進入的區域精確地研磨，您可以使用磨板的尖端或側緣進行研磨。

在機器上施力過度不僅無法提高研磨效率，反而會加劇電動工具的磨損，使研磨片過早失效。

不可以使用研磨過金屬的研磨片來研磨其它材質。

僅可使用 **Bosch** 原廠研磨配件。

維修和服務

維修和清潔

- ▶ 在電動工具上進行任何作業之前（例如維修，更換工具等等），請將機器中的電池取出。若是不小心觸動起停開關，可能造成人員受傷。
- ▶ 電動工具和通風口都必須保持清潔，這樣才能夠提高工作品質和安全性。

顧客服務處和顧客諮詢中心

台灣進口商

電話: (02) 7734 2588

製造商地址:

Robert Bosch Power Tools GmbH

羅伯特·博世電動工具有限公司

70538 Stuttgart / GERMANY

70538 斯圖加特/ 德國

我們的服務地址和保固條件連結可在最後一頁找到。

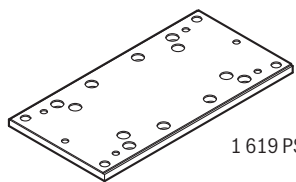
當您需要諮詢或訂購備用零件時，請務必提供本產品型號銘牌上 10 位數的產品機號。

廢棄物處理

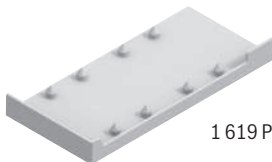
必須以符合環保的方式，將損壞的電動工具、充電電池、配件和包裝材料進行回收再利用。

不可以把電動工具和充電電池 / 拋棄式電池丟入一般家庭垃圾中！

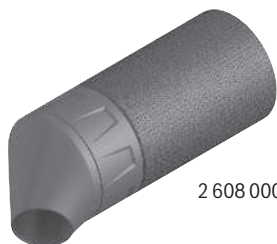




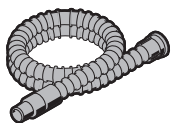
1 619 PS3 896



1 619 PS1 082



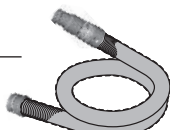
2 608 000 715



Ø 28 mm:
2 608 000 772 (3 m)



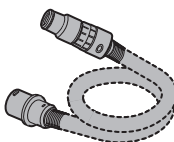
GAS 18V-12 MC



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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1.7 - picolibc 1.8.8

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