



# BOSCH

## PRO

### GSR18V-52 | GSB18V-52

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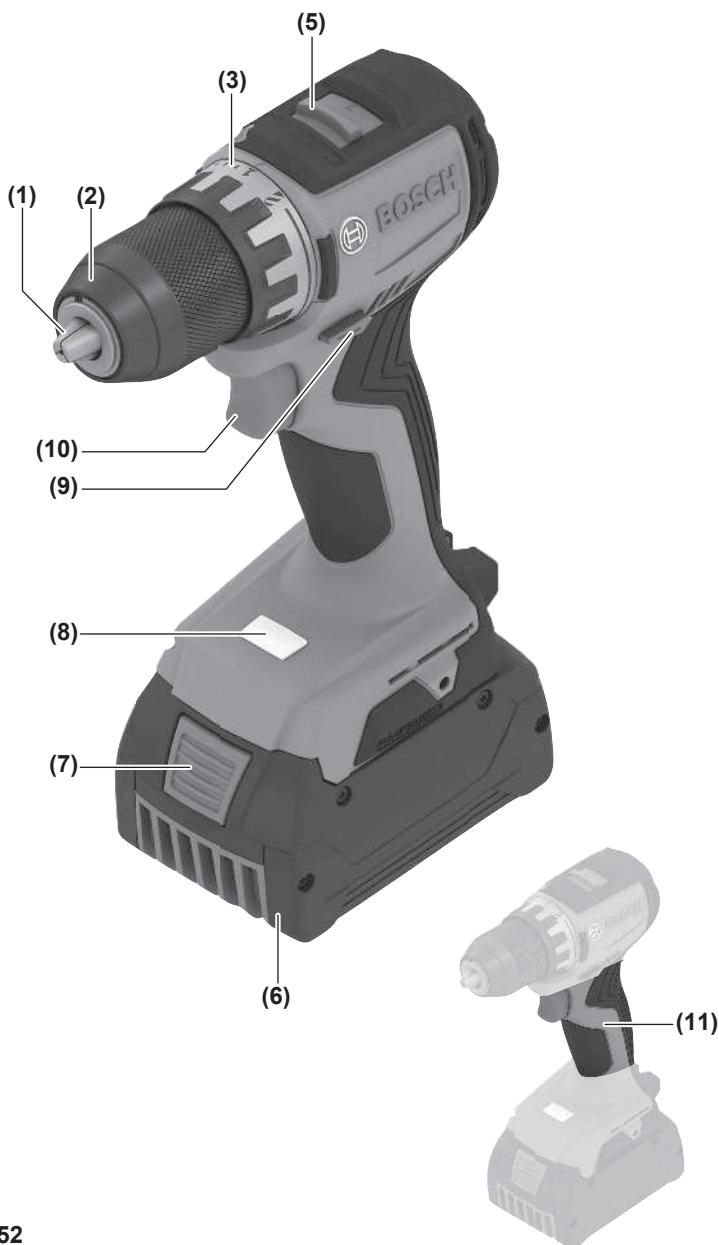


zh 原始使用說明書

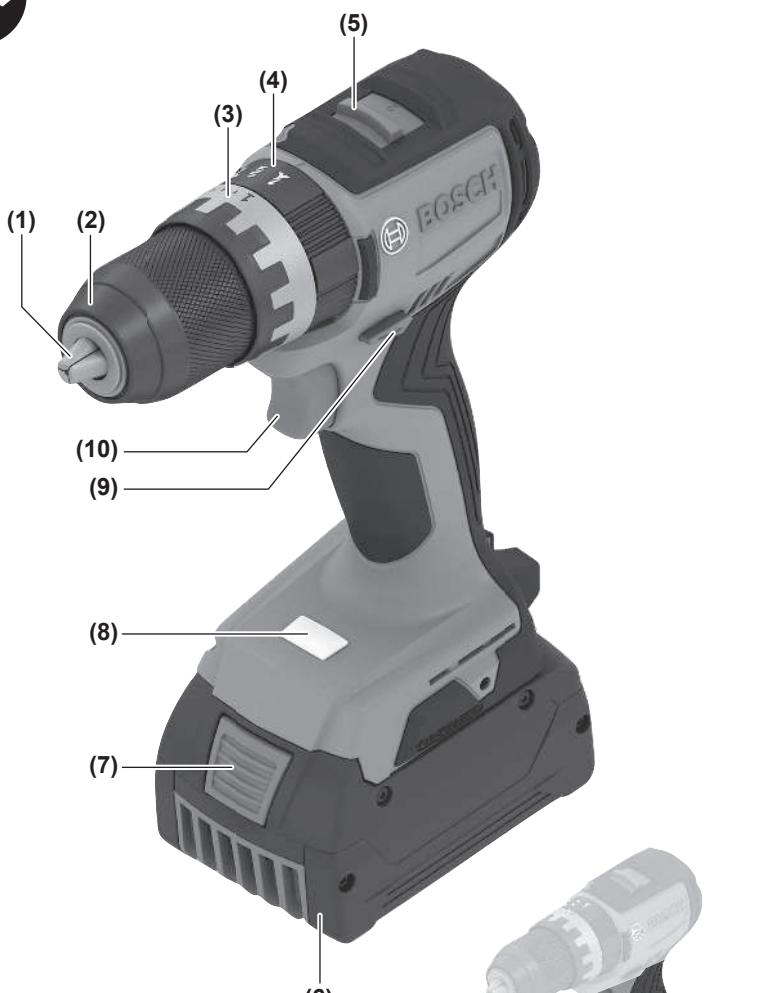


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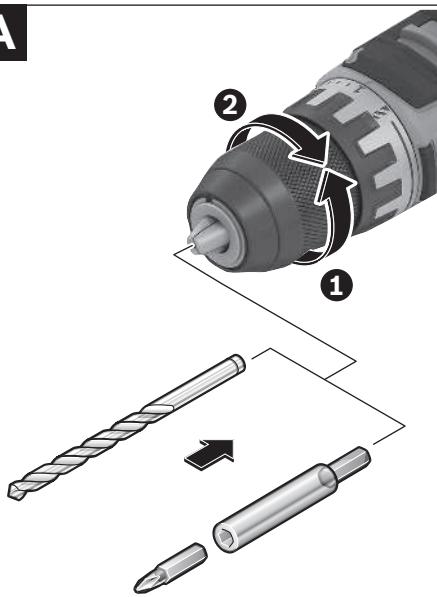
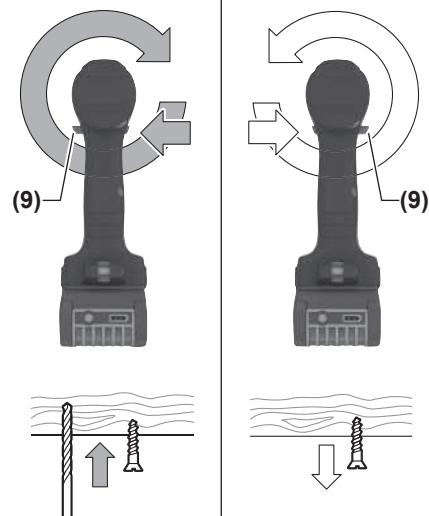




**GSR18V-52**



**GSB18V-52**

**A****B**

# 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  
當充電或是未在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。

## 電鑽和起子機的安全注意事項

### 所有作業的安全說明

- ▶ **鑽孔時請戴上耳罩。**暴露在噪音下會造成聽力喪失。
- ▶ **進行作業時，負責進行切割的配件或固定釘可能會碰觸到隱藏的配線，請從絕緣握把處拿掉電動工具。**負責進行切割的配件或固定釘若是觸及「導電」電線，可能導致電動工具外露的金屬部件「導電」，進而使操作人員遭受電擊。

### 使用長鑽頭的安全說明

- ▶ **切勿以超過鑽頭額定最高轉速的速度操作。**若鑽頭未接觸工作且以超過最高轉速的速度無負載轉動，可能會讓鑽頭彎曲並導致人員受傷。
- ▶ **請務必以低速啟動並將鑽尖確實抵住工作。**若鑽頭未接觸工作且以超過最高轉速的速度無負載轉動，可能會讓鑽頭彎曲並導致人員受傷。
- ▶ **請沿著鑽頭方向施加適當的壓力，切勿過度施壓。**鑽頭可能會彎曲並造成斷裂、失控並導致人員受傷。

### 其他安全注意事項

- ▶ **請牢牢握緊電動工具。**旋緊與鬆開螺栓時，瞬間可能會有較大的反作用力。
- ▶ **固定好工作。**使用固定裝置或老虎鉗固定工作，會比用手持握工作更牢固。
- ▶ **使用合適的偵測裝置偵察隱藏的電線，或者向當地的相關單位尋求支援。**接觸電線可能引起火災並讓操作者觸電。若損壞瓦斯管會引起爆炸。如果水管被刺穿會導致財物損失。
- ▶ **必須等待電動工具完全靜止後才能將它放下。**嵌件工具可能卡住而使電動工具失控。
- ▶ **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。

- ▶ **如果嵌件工具被夾住了，請立刻關閉電動工具的電源。**請準備好承受反作用力所造成的反彈。電動工具過載時或當它在進行加工的工件內部歪斜時，都會造成嵌件工具被夾住不動。

## 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

此電動工具可用來轉入或旋鬆螺絲，並且可在木材、金屬、混凝土及塑膠等材質上進行鑽孔。此外，GSB 還可在磚塊、砌牆和石材上進行衝擊鑽孔。

### 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) 工具夾座
- (2) 快速夾頭
- (3) 預設扭力調整環
- (4) 操作模式設定調整環 (GSB18V-52)
- (5) 選檔開關
- (6) 充電電池<sup>a)</sup>
- (7) 充電電池解鎖按鈕<sup>a)</sup>
- (8) 工作燈 (LED)
- (9) 正逆轉開關
- (10) 起停開關
- (11) 把手 (絕緣握柄)

a) 所述之配件並不包含在基本的供貨範圍中。

## 技術性數據

充電式電鑽起子機		GSR18V-52	GSB18V-52
產品機號		3 601 JS0 0 ..	3 601 JS0 1 ..
額定電壓	V	18	18
額定空載轉速 $n_0$ <sup>a)</sup>			
- 1 檔	min <sup>-1</sup>	0-500	0-500
- 2 檔	min <sup>-1</sup>	0-1,900	0-1,900
根據 ISO 5393，硬材料鎖螺絲的最大扭力 <sup>a)</sup>	Nm	70	73
衝擊次數 <sup>a)</sup>	min <sup>-1</sup>	-	27,000

充電式電鑽起子機		GSR18V-52	GSB18V-52
最大鑽孔直徑 (1 檔/2 檔)			
- 砌牆	mm	-	10
- 鋼材	mm	10	10
- 木材	mm	35	35
夾頭的夾緊範圍	mm	1.5–13	1.5–13
最大螺栓直徑	mm	10	10
重量 <sup>b)</sup>	kg	0.92	0.98
充電狀態下的建議環境溫度	°C	0 ... +35	0 ... +35
操作狀態下的容許環境溫度 <sup>c)</sup> 以及存放狀態下	°C	-20 ... +50	-20 ... +50
相容的充電電池		GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...	GBA18V... GBA 18V... ProCORE18V... EXPERT18V... EXBA18V... CORE18V...
建議使用的充電器		GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...	GAL18... GAL 18... GAL 36... GAL12V/18... GAL 12V/18... GAX 18... EXAL18...

A) 於 20–25 °C 配備充電電池 **GBA 18V 4.0Ah** 時測得。

B) 不含充電電池 (您可在 [www.bosch-professional.com](http://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](http://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 %
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  $-20^{\circ}\text{C}$  至  $50^{\circ}\text{C}$  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。
- 更換工具時請戴上防護手套。長時間操作之後，嵌件工具和鑽夾頭溫度會變高。

### 更換工具（請參考圖 A）

未按下起停開關（10）時，工具機轉軸將固定鎖死。因此能夠簡便、快速地更換夾頭上的工具。

往旋轉方向 ① 轉動，將快速夾頭（2）打開至能夠裝入工具為止。裝入工具。

沿旋轉方向 ② 徒手用力轉緊快速夾頭（2），直到聽見咗一聲。這樣做夾頭才會自動鎖止。

取下工具時，當您反方旋轉套筒，此鎖止裝置便會自動解鎖。

使用螺絲起子工具頭時，請您務必使用工具頭通用夾持器。

### 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。儘可能使用適合物料的吸塵裝置。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 <sup>A)</sup>	mbar	$\geq 220$
	hPa	$\geq 220$
所需流量 <sup>A)</sup>	l/s	$\geq 28$
	$\text{m}^3/\text{h}$	$\geq 100.8$
建議過濾效率	粉塵等級 M <sup>B)</sup>	

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。

### 腰帶夾

使用腰帶夾 即可把電動工具掛在腰帶上。如此不但能夠空出雙手而且電動工具亦隨手可及。

## 操作

### 調整旋轉方向（請參考圖 B）

透過正逆轉開關（9）即可變更電動工具的旋轉方向。但按下起停開關（10）時，將無法這樣做。

**正轉：**若要旋入螺栓及旋緊螺母，請將正逆轉開關（9）往左推到底。

**逆轉：**若要鬆開或旋出螺栓與螺母，請將正逆轉開關（9）往右推到底。

### 設定操作模式

#### 鑽孔



#### GSR18V-52

將預設扭力調整環（3）移至「鑽孔」符號，以達到鑽孔和拆裝螺栓的最大扭力。

#### GSB18V-52

將操作模式調整環（4）移至「鑽孔」符號，以達到鑽孔和拆裝螺栓的最大扭力。

#### 拆裝螺栓



#### GSR18V-52

將預設扭力調整環（3）設為所需扭力。

#### GSB18V-52

將操作模式設定調整環（4）移至「拆裝

螺栓」符號。

將預設扭力調整環 (3) 設為所需扭力。

### 衝擊鑽孔



GSB18V-52

將操作模式設定調整環 (4) 移至「衝擊鑽孔」符號。

### 啟動 / 關閉

按下電源開關 (10) 不要放開，即可讓電動工具持續運轉。

輕按起停開關 (10) 或完全按下時，LED (8) 隨即亮起，可照亮光線不足的工作區域。

放開起停開關 (10)，即可讓電動工具停止運轉。

### 調整轉速

您可為已啟動的電動工具無段調整轉速，轉速是由按壓起停開關 (10) 的深度而定。

輕按起停開關 (10) 時，轉速較低。逐漸在開關上加壓，轉速也會跟著提高。

### 預設扭力

使用預設扭力調整環 (3)，您可以分段預選所需的扭力。如果設定了合適的扭力，當螺栓在物料中一旋入至表面齊平後，或者說到達所設扭力之後，嵌件工具便會停止轉動。在位置 ，過載離合器被停用，例如用於鑽孔或鎖入大型螺栓。在此段位可達到最大扭力。

鬆開螺栓時，可選用較高設定值，或者請您設在 符號上。

### 機械式選檔

► 電動工具靜止時，才能操作選檔開關 (5)。

► 請務必將選檔開關完全推到底。否則可能造成電動工具損壞。

選檔開關 (5) 提供 2 種轉速範圍，供您選用。

選檔開關位 (5)	轉速	扭力	應用範圍
1	低	高	適用於重型應用： 例如大直徑鑽孔 和拆裝螺絲
2	高	低	適用於輕型應用： 例如小直徑鑽孔 和拆裝螺絲

### 溫控的過載保護裝置

只要按照規定使用，電動工具就不可能過載。若負載過大或超出電池允許溫度，轉速將被降低。電動工具的完整輸出功率僅會在恢復至允許的電池溫度後再次提供。

### 全自動的主軸鎖定功能 (Auto-Lock)

未按下起停開關 (10) 時，工具機轉軸將固定不動，工具夾頭也會鎖死。

因此，即使充電電池 (6) 沒電了，也可以使用本電動工具旋入螺栓，換句話說，也可以將本機器當做一般螺絲起子使用。

### 作業注意事項

► 電動工具應先停止運轉，然後才放到螺栓上。轉動中的嵌件工具可能會滑開。

將較大、較長螺栓旋入堅硬材質之前，應先以螺紋孔底徑預鑽孔至 2/3 螺栓長度。

拆卸螺絲起子工具頭或工具頭夾持器時，可使用輔助工具。

## 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

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。

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Servicekontakte  
Service Contacts  
Contacts de Service  
Contactos de Servicio



<https://www.bosch-pt.com/serviceaddresses>

Garantiebedingungen  
Guarantee Conditions  
Conditions de Garantie  
Condiciones de Garantía



<https://www.bosch-pt.com/guarantee/202507>