

## 18V Cordless Disc Grinders with Brake System G18DBBL/G18DBBVL



### Brake System + Slide Switch Suitable for Continuous Operation



- Electronic brake stops the blade in less than 3 sec when the trigger is released. This allows users to prevent accidents and work much more efficiently.
- Use only the wheel washer supplied (No.371677). Please do not use any other ones.



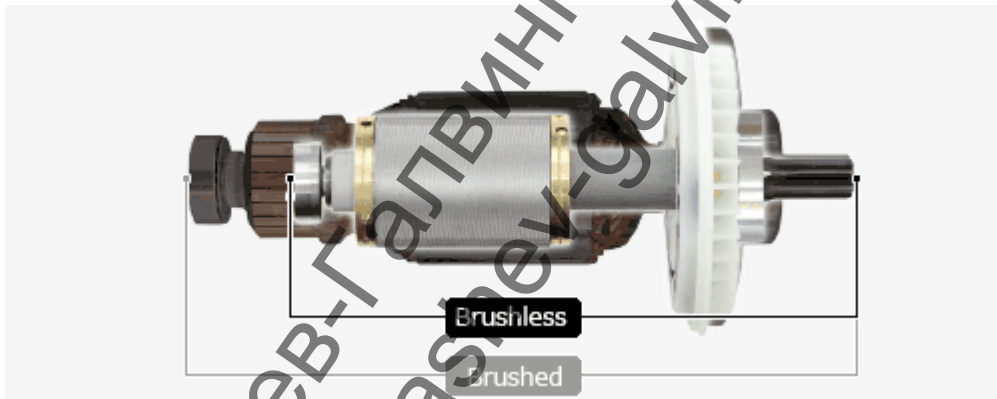
- **Our Original Brushless Motor Technology**

- ▶ No wearing parts (carbon brushes, commutator, field coil)
- ▶ Our original compact controller

### **Long Lifetime, Maintenance-Free**

The brushless motor offers a significantly extended product life cycle by eliminating trouble including armature burnout, layer short or commutator wear even in severe work environments. Besides, no carbon brush replacement is required.

### **Compact, Lightweight**



### **Top-class Runtime\*1**

Our high efficiency brushless motor and high capacity 6.0Ah Lithium-ion battery brings top-class runtime.\*1

### **Runtime per Charge**

**6.0Ah(BSL1860)    5.0Ah(BSL1850)**

**Cutting Mortar \*2** Approx. 12.8m \*4    Approx. 10.7m \*4

**Cutting Steel \*3** Approx. 206 bars \*4    Approx. 172 bars \*4

1. As of April 2017. Among 18V cordless disc grinders with electric brake system made by leading power tool manufacturers. (Surveyed by Koki Holdings.)
2. When using a  $\varnothing 125\text{mm}$  diamond wheel. Thrust power: 3.0kg, Cutting Depth: 10mm, Workpiece: mortar
3. When using a  $\varnothing 125\text{mm}$  cutting wheel. Thrust power: 2.0kg, Workpiece:  $\varnothing 10\text{mm}$  rebar

- The value is for reference purposes. They may vary according to the operating conditions including the workpiece material and the state of battery charge.

### Smallest Body\* & Grip Circumference

- Lightweight and compact body with a slim grip and small head offers easy handling and efficient operation.
  - As of April 2017. Among 18V cordless brushless disc grinders with electric brake system made by leading power tool manufacturers. (Surveyed by Koki Holdings.)



### Variable Speed Control Dial

(G18DBBVL only)

- allows users to change the rotation speed to between 4,700 and 9,000/min to suit the application.



Dial settings and no load speeds

Dial	No load speed (/min)	Use
1	4,700	 Grinding stainless steel  Rust or paint removal
2	5,500	
3	6,400	 Grinding, finishing  Rough grinding, cutting
4	7,200	
5	8,100	
6	9,000	



## Deep cutting in concrete



## Dust & Water-Resistant Construction that remarkably increases durability

The resin-coated circuit board protects the electronic components from dust and water.

Note: This series of products is designed to be resistant to dust and water. However, it is not guaranteed that they will not fail. Do not use or leave the products in environments with excessive amounts of dust, in the water or under the rain.

- **Mesh Filters**

Fine mesh filters significantly improve the dust resistance. The toolless removable filter makes its maintenance easier.



## Kickback Protection System

monitors a sudden drop in the motor rotation speed and stops the motor quickly to reduce the reaction force (kickback).



Depending on operating conditions, the Kickback Protection System may not work or provide specified performance. Make sure that the workpiece is placed and supported properly, and that the main unit is held firmly during operation.

Additionally, carefully read "KICKBACK AND RELATED WARNINGS" in the instruction manual.

### Anti-Restart Protection

prevents unintentional restart of the tool for accident avoidance.

### Soft Start

allows comfortable operation by reducing start-up reaction.

### Specifications

Model	G18DBBL	G18DBBVL
<b>Capacity</b>	<b>Wheel Dia.</b> 115mm (4-1/2")	125mm (5")
	<b>Hole Dia.</b> 22.23mm (7/8")	125mm (5")
<b>Spindle Thread</b>	M14 x 2	
<b>Battery Voltage</b>	18V	
<b>No Load Speed</b>	9,000/min.	Transmission mode :
	AUTO mode : 5,500/min.	4,700 - 9,000/min. AUTO mode : 5,500/min.
<b>Overall Length</b>	326mm (12-27/32")	
<b>Weight *1</b>	2.7kg (5.9lbs.)	
<b>Vibration</b>		
<b>Total Values *2</b> (triax vector sum)	<b>Surface</b>	Vibration Emission Value ah, AG = 10.0m/s <sup>2</sup>
	<b>Grinding</b>	Uncertainty K = 1.5m/s <sup>2</sup>
<b>Standard Accessories:</b>	115mm dia.	125mm dia. 125mm dia.
<b>Depressed Center Wheel</b>		
<b>Standard Accessories</b>	2 Batteries (BSL1860 or BSL1850), Charger (UC18YML2 or UC18YFSL), Side Handle, Wrench, Battery Cover, Carrying Case	

1. Weight: According to EPTA-Procedure 01/2003.
2. Vibration total values (triax vector sum) determined according to EN60745.



CAUTION  
REGARDING LITHIUM-ION BATTERY  
TRANSPORTATION

Notify the transporting company that a package contains a lithium-ion battery, inform the company of its power output and follow the instructions of the transportation company when arranging transport.

- Lithium-ion batteries that exceed a power output of 100Wh are considered to be in the freight classification of Dangerous Goods and will require special application procedures.
- For transportation abroad, you must comply with international law and the rules and regulations of the destination country.

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