

Brushless® Screwdriver with a Built-in Screw Counter

BLG-BC1 Series (DC Type)



No more overlooked tightening errors!

- It prevents human errors in operations! It supports accurate screw fastening and reduces the operator's fatigue.
- A conventional external screw counter is not required. This realizes low-cost introduction of new screwdrivers.
- The integration of the screwdriver and the counter is optimal for space-saving operations.

Lever Start Type

Lever Start Type

Unit : mm

BLG-4000BC1



Two-way Start System

Two-way Start System

Unit : mm

BLG-5000BC1



Hi-speed rotation BLG-5000BC1-15



Hi-speed rotation

BLG-5000BC1-18



Hi-torque

BLG-5000BC1-HT



Note: CCC certified models have different specification and order codes from the standard models. Please contact HIOS distributors before ordering.

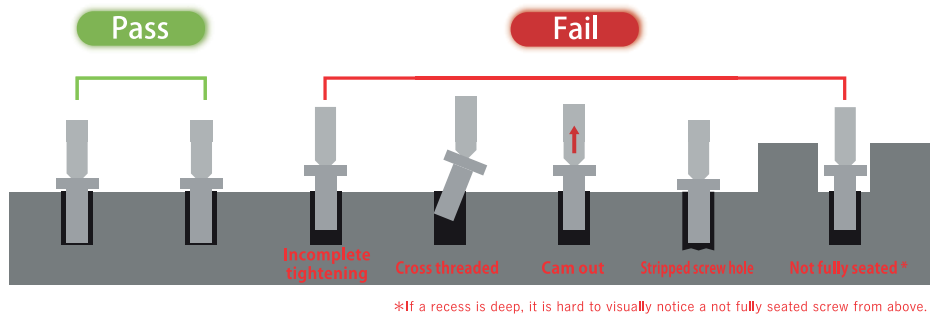
BLG-BC1 Series Specifications

Specifications

| Model name | | BLG-4000BC1 | BLG-5000BC1 | BLG-5000BC1-15 | BLG-5000BC1-18 | BLG-5000BC1-HT | |
|---------------------|-----------------|-------------------------------|---|---|---|---|---|
| Output torque range | N·m | 0.1-0.55 | 0.2-1.2 | 0.3-1.0 | 0.5-1.5 | 0.5-2.0 | |
| | lbf·in | 0.9-4.8 | 1.7-10 | 2.6-10 | 4.3-13 | 4.3-17 | |
| | (Kgf·cm) | (1-5.5) | (2-12) | (3-10) | (5-15) | (5-20) | |
| Torque switching | | Stepless Adjustment | Stepless Adjustment | Stepless adjustment | Stepless Adjustment | Stepless Adjustment | |
| Unloaded Rotation | HI | 1.000 | 1.000 | 1.500 | 1.800 | 730 | |
| | LOW | 690 | 690 | 1.000 | 1.200 | - | |
| Screw Size (mm) | Machine Screw | 1.4-2.6 | 2.0-3.0 | 2.3-3.0 | 2.3-3.0 | 2.0-4.0 | |
| | Tapping Screw | 1.4-2.3 | 2.0-3.0 | 2.0-2.6 | 2.0-2.6 | 2.0-3.0 | |
| Bit Drive | HIOS Shank | H4 | H4 | H4 | H5 and 5HEX | H5 and 5HEX | |
| | HEX Shank | 1/4HEX | H5 and 5HEX or 1/4HEX | H5 and 5HEX or 1/4HEX | 1/4HEX | 1/4HEX | |
| Power Supply | T-45BL | ○ | ○ | ○★ | - | ○★ | |
| | T-70BL | ○ | ○ | ○★ | ○★ | ○★ | |
| Accessories | Bit (one each) | H4 | + #0 (Ø2.5×40mm) + #1 (Ø4.0×40mm) | + #1 (Ø4.0×40mm) + #2 (Ø4.0×40mm) | + #1 (Ø4.0×40mm) + #2 (Ø4.0×40mm) | - | |
| | | H5 | - | + #1 (Ø5.0×60mm) + #2 (Ø5.0×60mm) | + #1 (Ø5.0×60mm) + #2 (Ø5.0×60mm) | + #1 (Ø5.0×60mm) + #2 (Ø5.0×60mm) | |
| | | 1/4HEX | + #1 (Ø5.0×50mm) + #2 (Ø5.0×50mm) - (Ø5.0×50mm) | + #1 (Ø5.0×50mm) + #2 (Ø5.0×50mm) - (Ø5.0×50mm) | + #1 (Ø5.0×50mm) + #2 (Ø5.0×50mm) - (Ø5.0×50mm) | + #1 (Ø5.0×50mm) + #2 (Ø5.0×50mm) - (Ø5.0×50mm) | + #1 (Ø5.0×50mm) + #2 (Ø5.0×50mm) - (Ø5.0×50mm) |
| | Spring | White | | | | | |
| | Cord length (m) | 2m(6P) | | | | | |
| L-shaped HEX wrench | | Width across flats: 5mm, 1 pc | | Width across flats: 5mm, 1 pc | | Width across flats: 5mm, 1 pc | |

Use only 2(HI) power outlet with the ★models. These models may not perform properly on 1(LOW) power outlet.

From now on, the screwdriver itself detects and notifies you of screw fastening errors.



Major features

- Counter ON/OFF** You can turn off the counter function and use the screwdriver as an ordinary one; then you can connect your own HIOS counter to it.
- Counter** You can set the number of fastener count from 1 to 99. Screw tightening skipping can be prevented.
- Buzzer and LED** The buzzer and LED notify you of a result of each screw fastening (Pass/fail).
- Prevention of miscount** It prevents miscount caused by a re-tightening or double fastening.
- Error detection** Screw fastening errors can be detected (e.g., incomplete tightening, cross threaded, cam-out, stripped screw hole, etc.).
- Cycle Totals** The total number of cycles resulting in a clutch activation.
- Count timer** The buzzer notifies you of completion of screw fastening and then reset the number of fastener count on the display.

Accessories

BLG-BC1 Accessories

Accessories

Accessories

Suction(Vacuum) Attachment for BLG Series

By negative pressure, the effort needed to pick up screws is reduced. This attachment can even pick up non-ferrous screws such as stainless steel screws by vacuuming, and improve operation efficiency. It also removes powder dust generated in screw fastening.

Order guide

(A),(B) and (C) below needed to be purchased separately.

* The size of (A) and (B) depends on the screw size. For more information, please refer to P. 59-60.

| Model | (A) Mouthpiece model | (B) Bit length | (C) Suction Attachment model |
|----------------|----------------------|----------------|------------------------------|
| BLG-4000BC1 | | H4 60mm | BLGQ4-SET |
| BLG-5000BC1 | F3-Standard 18mm | H4 40mm | BLQ5-SET/BLQ5-SET-ESD* |
| BLG-5000BC1-15 | | H4 60mm | BLQ5N-SET/BLQ5N-SET-ESD* |

Note: The Suction Attachment cannot be used with 1/4HEX.

* ESD is anti-electrostatic

Please contact HIOS distributors for the attachment for the BLG-5000BC1-18

Vertical Screwdriver Operating Stand

VMS-40/VMS-50

The stand keeps the screwdriver in a vertical position, allowing accurate screw fastening.



RoHS 10

Compatible screwdrivers:

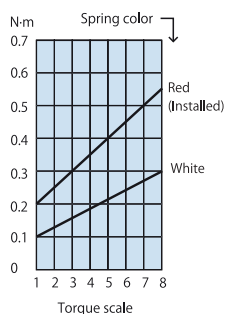
BLG-4000BC1

BLG-5000BC1 Series

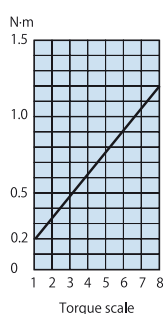
▶ See P.42 for details.

Output torque guide (HI input)

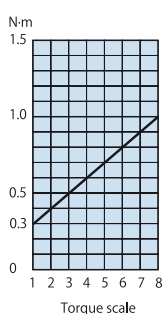
BLG-4000BC1



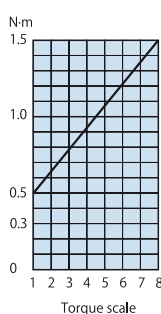
BLG-5000BC1



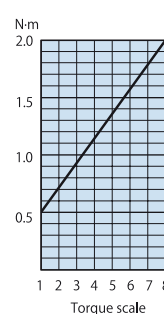
BLG-5000BC1-15



BLG-5000BC1-18



BLG-5000BC1-HT



*There are two types of spring for torque adjustment: for HI (originally fixed to the unit) and for Low (accessory). Use one of them depending on your operating conditions.