

Brushless® Screwdriver

Built-in Pulse Counter

BLG-BC2 BLG-BC2 Series

(DC Type)



No more rely operations experience and skill.

- Detect errors in screw fastening in real time with high accuracy by counting the pulse of the motor.
- Misplaced screws of different type or length, recessed screws or floating screws due to seized cables are now detected.
- Installed serial port (RS-232C) makes it possible to set the driver by remote control and record pulse values of each screw tightening for traceability.
- Direct teaching allows a simple setting .

Lever Start Type

Lever Start Type

Two-way Start System

Two-way Start System

Unit : mm

BLG-4000BC2



BLG-5000BC2



Hi-speed rotation

BLG-5000BC2-15



Hi-speed rotation

BLG-5000BC2-18



Hi-torque

BLG-5000BC2-HT



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

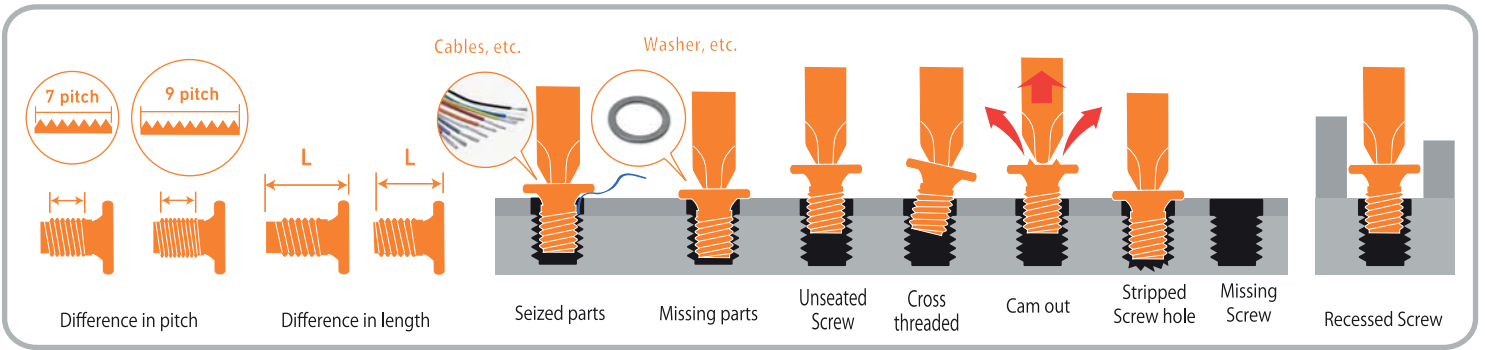
BLG-BC2 Series Specifications

Specifications

Model name		BLG-4000BC2	BLG-5000BC2	BLG-5000BC2-15	BLG-5000BC2-18	BLG-5000BC2-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	—
Speed (r.p.m) ±10%						
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)
	Spring	White	—	—	—	—
Cord length (m)		2m(6P)	2m(6P)	2m(6P)	2m(6P)	2m(6P)
L-shaped HEX wrench		—	Width across flats: 5mm, 1 pc	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.

Detectable errors with BLG-BC2



Accessories

BLG-BC2 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-4000BC2	F3-Standard 18mm	H4 60mm	BLGQ4-SET
BLG-5000BC2		H4 40mm	BLQ5-SET / BLQ5-SET-ESD*
BLG-5000BC2-15		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-5000BC2-18

External Input/output cable

BLG-BC2-3010

To use external I/O, the special cable with the sample application software is available as an option.



Vertical Screwdriver Operating Stand

VMS-40 / VMS-50

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



Compatible screwdrivers:

BLG-4000BC2

BLG-5000BC2 Series

▶ See P.42 for details.

Related Products

Related Products

External I/O Box

BLG-IO-Pro1



Connection with JUKUREN BLG-BC2 provides simple control of fastening a screw!



- ① Detects screw fastening errors and can be interlocked with revolving lights.
- ② Operations can be coordinated with PC (the dedicated software).
- ③ No preparation of a program like PLC controls is required.
- ④ Driver operation control is possible depending on whether work is available or not.
- ⑤ The driver terminates operation automatically when screw fastening error occurs.

Basic Configuration

Screwdriver



•BLG-4000BC2
•BLG-5000BC2 Series

I/OBOX



BLG-IO-Pro1

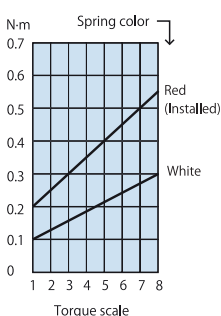
Power Supply



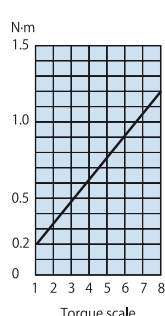
•T-45BL
•T-70BL

Output torque guide (HI input)

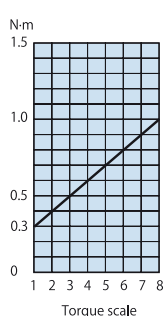
BLG-4000BC2



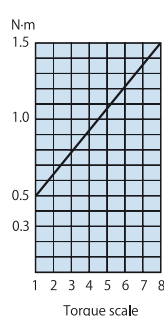
BLG-5000BC2



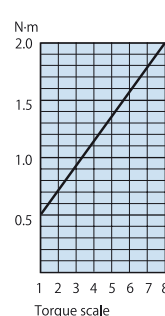
BLG-5000BC2-15



BLG-5000BC2-18



BLG-5000BC-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.