

Thanks to ultra-powerful brushless motor, durability and stability have improved.

- There is no carbon powder emission and maintains a clean environment.
- Significant durability improvement considerably reduces maintenance cost.
- Reduces the temperature rise of the motor by about 30% and mitigates problems related to heating.
- Two types of start systems (push and lever) are available with one screwdriver (not applicable to BL-2000).
- High-speed rotation shortens the tightening time and improves work efficiency.





BL-5000 Two-way(Push/Lever) Impact absorbing BL-5000SS Hi-speed rotation BL-5000-15 BL-5000-20 Hi-torque BL-5020 Weight: 360g



BL Series Specifications

Specifications

Model Name				BL-2000 BL-2000SS	BL-3000 BL-3000SS*	BL-5000 BL-5000SS	BL-500 BL-500	00-15 00-20*☆	BL-5020	BL-7000	BL-7000-20 BL-7000HT*
Outp	ut	N∙m		0.02 - 0.2	0.2 - 0.55 0.2-0.35*	0.2 - 1.2	0.2 - 1.2	0.2 - 1.0 *	0.5 - 2.0	0.7 - 2.8	0.5 - 1.5 0.7 - 3.5 *
torqu	ie range	lbf∙in		0.17 - 1.7	1.7 - 4.8 1.7 - 4.8*	1.7 - 10	1.7 - 10	1.7 - 8.7*	4.3 - 17.4	6.1 - 24	4.3 - 13 6.1 - 30*
		(kgf·cm)		(0.2 - 2)	(2 - 5.5) (2-3.5)*	(2 - 12)	(2 - 12)	(2 - 10)*	(5 - 20)	(7 - 28)	(5 - 15) (7 - 35)*
Torq	Torque switching			Stepless Adjustment	Stepless Adjustment	Stepless Adjustment	Stepless A	djustment	Stepless Adjustment	Stepless Adjustment	Stepless Adjustment
Unloaded Rotatio		on	HI	990	980	900	1,500	2,200*	750	960	2,200 700*
Speed	Speed (r.p.m) \pm		LOW	650	680	590	1,000	1,500*	500	630	1,500 500*
Screv	v Size Mad	chine S	crew	1.0 - 2.3	1.7 - 2.3	2.0 - 3.0	2.0 - 3.0		2.0 - 4.0	2.6 - 5.0	2.6 - 4.0
(mm)	Тар	ping Screw		1.0 - 2.0	2.0 - 2.3	2.0 - 3.0	2.0 - 2.6		2.0 - 3.0	2.6 - 4.0	2.6 - 4.0
Bit Drive	HIOS Shank			H4	H4	H4			H5 and 5HEX		
	e HEX Shank			_	1/4HEX	H5 and 5HEX or 1/4HEX			1/4HEX		
Powe	er	T-30B	L	0	0	_	_		_	_	_
Supp	oly	T-70BL		0	0	0			0	0	0
essories		H4	+#0 (⊘2.0×40mm)	+#0 (Ø2.5×40mm)	+#1 (∅4.0×40mm)	+#1 (Ø4.0	0×40mm)				
			Π4	+#0 (⊘2.5×40mm)	+#1 (∅4.0×40mm)	+#2 (∅4.0×40mm)	+#2(Ø4.0	0×40mm)			
			H5			+#1 (∅5.0×60mm)	+#1 (Ø5.0	0×60mm)	+#1 (∅5.0×60mm)	+#1 (∅5.0×60mm)	+#1 (Ø5.0×60mm)
	Bit (one ead					+#2 (∅5.0×60mm)	+#2(Ø5.0	0×60mm)	+#2 (∅5.0×60mm)	+#2 (∅5.0×60mm)	+#2 (Ø5.0×60mm)
		CII)	/4 HEX		+#1 (5.0×50mm)	+#1 (5.0×50mm)	+#1 (5.0	×50mm)	+#1 (5.0×50mm)	+#1 (5.0×50mm)	+#1 (5.0×50mm)
		1/			$+#2 (5.0 \times 50 \text{mm})$	+#2 (5.0×50mm)	+#2 (5.0	×50mm)	+#2 (5.0×50mm)	+#2 (5.0×50mm)	+#2 (5.0×50mm)
					− (5.0×50mm)	− (5.0×50mm)	- (5.0)	×50mm)	− (5.0×50mm)	− (5.0×50mm)	− (5.0×50mm)
	Spring			Yellow spring							
	Cord length (m)			2m (5P) ESD design	1.5m (5P)	1.5m (5P)	1.5m	(5P)	1.5m (5P)	2m (5P)	2m (5P)
	L-shaped HEX wrench					Width across flats: 5mm ,1 pc	Width across fl	ate Emm 1 ne	Width across flats: 5mm ,1 pc	Width across flats: 5mm,1 pc	Width across flats: 5mm ,1 pc





Suction(Vacuum) Attachment for BL Series

By making use of negative pressure, the effort needed to pick up screws can be reduced. This suction device can even pick up non-ferrous screws such as stainless steel screws by vacuuming, and improve operation efficiency. It can also be used to remove powder dust generated from screw tightening.

Order guide

(A), (B) and (C) needed to be purchased separately if you would like to mount this suction device to your screwdriver.

* There are several options of sizes of (A) and (B) depending on the screw size. For more information on the size, please refer to P. 58.

Model	(A) Mouthpiece model	(B) Bits total length	(C) Suction attachment model		
BL-2000	F3-Standard 18mm	H4 60mm	CLQ2-SET/CLQ2-SET-ESD*		
BL-3000	F3-Standard 18mm	H4 60mm	BLQ3N-SET/BLQ3N-SET-ESD*		
BL-5000	F3-Standard 18mm	H4 40mm	BLQ5-SET/BLQ5-SET-ESD*		
BL-3000	ro-standard romini	H4 60mm	BLQ5N-SET/BLQ5N-SET-ESD*		
BL-7000	F6-Standard 31mm	H5 80mm	BLQ7-SET/BLQ7-SET-ESD*		

Note: The suction attachment cannot be used with 1/4HEX

* ESD is anti-electrostation



Suction + Anti-electrostatic

Models:

BLQ-3000ESD BLQ-5000ESD BLQ-5000ESD-15 BLQ-5000ESD-20 BLQ-7000ESD BLQ-7000ESD-20



Clean Room

Models: BLQ-2000CR BLQ-3000CR

BLQ-5000CR BLQ-5000CR-15

BLQ-5000CR-20 BLQ-7000CR BLQ-7000CR-20



Anti-electrostatic

Models: BL-3000ESD BI -5000ESD BL-5000ESD-15

BL-5000ESD-20

the assembly of precision equipment and electronic parts.

BL-5020ESD BL-7000ESD BL-7000ESD-20 BL-7000HT

The screwdriver body uses an anti-electrostatic material to prevent the generation of static electricity, which is suitable for

[Surface resistance: max. $10^4\Omega$]



Clean Room + Anti-electrostatic



Models: BLQ-2000CR BLQ-3000CR-ESD BLQ-5000CR-ESD BLQ-5000CR-ESD-15 BI O-5000CR-FSD-20 BLQ-7000CR-ESD BLQ-7000CR-ESD-20

In addition to anti-electrostatic, two vacuum units are installed in the body and the suction attachment in order to suck up powder dust generated from screw tightening.

> [Class 100 equivalent] [Surface resistance: max. $10^4\Omega$]



For use with HIOS Screw Counter

Models:

BL-2000-OPC BI -3000-OPC BL-5000-OPC

BL-5020-OPC BL-7000-OPC BL-7000-20-OPC BL-7000HT-OPC

These screwdrivers prevent you from skipping screw tightening in combination with the screw counter.

• They have a function to output positive rotation, reverse rotation and torque-up (tightening complete) signals.

Power supply with HIOS screw counter **BLOP-STC3**



Separate counter



Compact separate counter **BLOP-SC3**



See P. 41-44 for details.

Accessories

Pistol Attachment

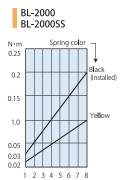
PAB-70

This attachment converts a standard screwdriver to a pistol-style screwdriver, most suitable for horizontal screw tightening.

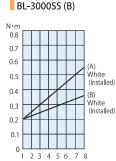


BL-7000 Series

Output torque guide (HI input)

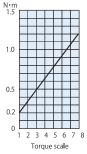




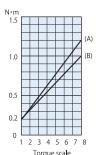


Torque scale

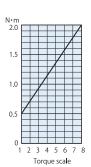
BL-5000 BL-5000SS



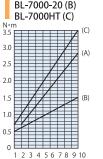
BL-5000-15 (A) BL-5000-20 (B)



BL-5020







Torque scale

^{*}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.