



Low voltage DC type

Operates when connected to low voltage DC power

BL Series

Unit: mm

Lever start type

BL-2000



anti-static electricity is standard.



*The switch uses expendable parts.



Weight: 254g

Ultra slim body case with 25Ag lightweight.

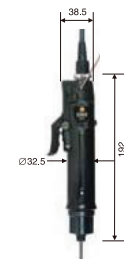


Anti-electrostatic specifications

Surface resistance is less than $10^4 \Omega$
Conductive resin is used throughout the body case, switch lever and screwdriver cord.

Two-way start type

BL-3000

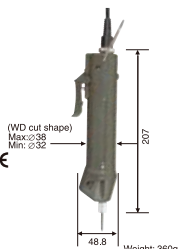


Weight: 320g

High speed type

Two-way start type

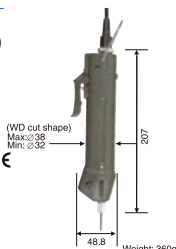
BL-5000



Weight: 360g

Two-way start type

BL-5000-15 BL-5000-20

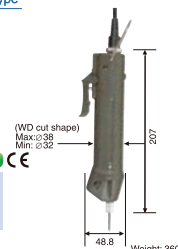


Weight: 360g

High torque type

Two-way start type

BL-5020



Weight: 360g

High torque type

Two-way start type

BL-7000



Weight: 640g

Two-way start type

BL-7000HT



Weight: 640g

High speed type

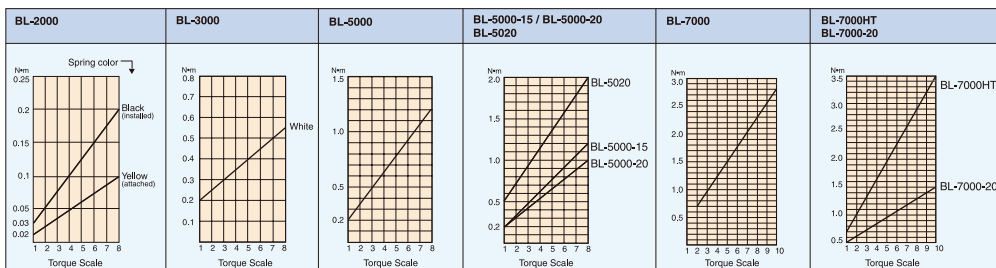
Two-way start type

BL-7000-20



Weight: 640g

●Output torque guide (during HI input)



Variation chart

A ESD
Anti-static electricity features

B Q
Suction

C Q-CR-ESD
Clean room and anti-static electricity features

D OPC
Screwdriver for screw counter

* The suction attachment sold separately.

* Refer to p.9 for screw counters

DXF File



External dimensions can be viewed in DXF file format from the Hios homepage.

*Special software is required to view DXF files.

[Go to Electric Driver](#) [DC Driver](#) [DXF File](#)

www.hios.com

Multi input type (AC 100V-240V)

Power supply for BL Series

Dedicated power supply ensures maximum performance from the screwdriver.

- Low voltage output (Ht: approximately 30V, LOW: approximately 20V) means reliable yet quiet operating noise.
- Power capacity has been increased over the previous model, providing a reliable source of power.
- Two switchable stages HI/LOW are available for more accurate screw operations.

T-30BL

(Single power point)

Compatible models

BL-2000/BL-3000



T-70BL

(Single power point)

Compatible models

BL-2000/BL-3000
BL-5000/BL-5000-15
BL5000-20/BL-5020
BL-7000/BL-7000HT
BL-7000-20



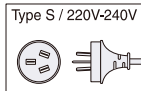
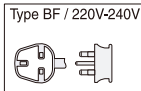
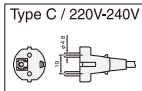
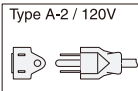
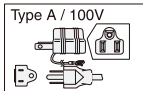
Specifications

Primary side	Input power	AC 100V-240V (47-63Hz)
	Power capacity	40W
Secondary side output	2(30V), 1(20V) 2 stage switchable	
External dimensions (mm)	62 x 134 x 40 (H) mm	
Weight (g)	300g	
Power cord length(m)	1.8m (inlet type)	
Accessories	2 mounting points, 4 mounting screws	

Specifications

Primary side	Input power	AC 100V-240V (47-63Hz)
	Power capacity	70W
Secondary side output	2(30V), 1(20V) 2 stage switchable	
External dimensions (mm)	88 x 210 x 52 (H) mm	
Weight (g)	830g	
Power cord length(m)	1.8m (inlet type)	
Accessories	2 mounting points, 4 mounting screws	

Plug



Specifications

Lever start type Model		BL-2000	BL-3000	BL-5000	BL-5000-15 BL-5000-20*	BL-5020	BL-7000	BL-7000HT BL-7000-20*
Push-to start type Model		—						
Output Torque Range	N·m	0.02-0.2	0.2-0.55	0.2-1.2	0.2-1.2 / 0.2-1*	0.5-2	0.7-2.8	0.7-3.5 / 0.5-1.5*
	lbf·in	0.17-1.7	1.7-4.8	1.7-10	1.7-10 / 1.7-8.7*	4.3-17.4	6.1-24	6.1-30 / 4.3-13*
	(kgf·cm)	(0.2-2)	(2-5.5)	(2-12)	(2-12) / (2-10)*	(5-20)	(7-28)	(7-35) / (5-15)*
Torque Switching		Stepless Adjustment						
Unloaded Rotation Speed (μpm) ±10%	HI	990	980	900	1,500 / 2,200*	750	960	700 / 2,200*
	LOW	650	680	590	1,000 / 1,500*	500	630	500 / 1,500*
Screw Size (mm)	Small Size Screw	1.0-2.3	1.7-2.3	2.0-3.0	2.0-3.0 / 2.0-3.0	2.0-4.0	2.6-5.0	2.6-4.0
	Tapping Screw	1.0-2.0	2.0-2.3	2.0-3.0	2.0-2.6 / 2.0-2.6	2.0-3.0	2.6-4.0	2.6-4.0
Bit Type		Hios H4	Hios H4 or 1/4 HEX	Hios H4 or 5 HEX or 1/4 HEX	Hios H4 or 5 HEX or 1/4 HEX	Hios H5 or 5 HEX or 1/4 HEX	Hios H5 & 5 HEX or 1/4 HEX	Hios H5 & 5 HEX or 1/4 HEX ^{*)1}
Power Pack	T-30BL	✓	✓	✓	✓	✓	✓	✓
	T-70BL	✓	✓	✓	✓	✓	✓	✓
Accessories	Bit, 1 of each	Hios H4	+ #0(φ 2×40mm) + #0(φ 2.5×40mm)	+ #1(φ 4×40mm)	+ #1(φ 4×40mm) + #2(φ 4×40mm)			
		Hios H5				+ #1(φ 5×60mm) + #2(φ 5×60mm)	+ #1(φ 5×60mm) + #2(φ 5×60mm)	+ #1(φ 5×60mm) + #2(φ 5×60mm)
		1/4 HEX		+ #1(φ 5×50mm) + #2(φ 5×50mm) — (φ 5×50mm)	+ #1(φ 5×50mm) + #2(φ 5×50mm) — (φ 5×50mm)	+ #1(φ 5×50mm) + #2(φ 5×50mm) — (φ 5×50mm)	+ #1(φ 5×50mm) + #2(φ 5×50mm) — (φ 5×50mm)	+ #1(φ 5×50mm) + #2(φ 5×50mm) — (φ 5×50mm)
	Spring	yellow						
	Cord Length	2m (5P) ESD Design	1.5m (5P)	1.5m (5P)	1.5m (5P)	1.5m (5P)	2m (5P)	2m (5P)
Hexagonal L-shaped wrench				5mm, 1piece	5mm, 1piece	5mm, 1piece	5mm, 1piece	5mm, 1piece

^{*)1} Only 1/4 HEX is available for BL-7000HT.