

Environmentally friendly brushless screwdriver lineup



Transformer-less AC type

Plugs directly into an AC power point

VB Series



CE certified models are also available for VB series. (220-240V)
Please inquire us for more details.

Unit: mm

Lever start type

VB-1510



Weight: 526g

Push-to start type

VB-1510PS



Weight: 526g

Lever start type

VB-1510-18



Weight: 526g

High speed type
Push-to start type

VB-1510PS-18



Weight: 526g

Lever start type

**VB-1820
VB-3012**



Weight: 750g

Push-to start type

**VB-1820PS
VB-3012PS**



Weight: 750g



Variations A B



Variations A B



Variations A B



Variations A B



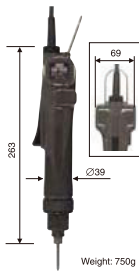
Variations A B



Variations A B

Lever start type

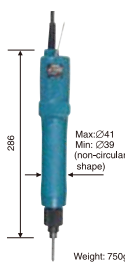
VB-4504



Weight: 750g

Push-to start type

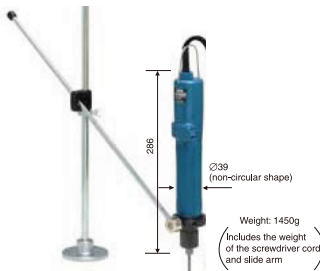
VB-4504PS



Weight: 750g

Push-to start type (100V only)

VB-4504PS
(with shockless stand)



Variations A B

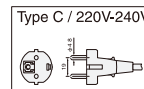
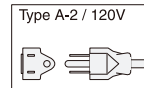
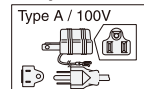


Variations A B



Variations A B

● Plug



● The VB-4504 can be used with 120V and 220-240V.

● See p.10 for specifications for the VB-4504PS (100V) shockless stand.

● Output torque grade (during HI input)

VB-1510 VB-1510PS	VB-1510-18 VB-1510PS-18	VB-1820 VB-1820PS	VB-3012 VB-3012PS	VB-4504 VB-4504PS	VBH-1820PS VBH-3012PS

Variation chart

A **Q**

Suction

B **OPC**

Screwdriver for screw counter

* Refer to p9 for screw counters
* The suction attachment sold separately.

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

Hammerhead shape/ultrahigh torque

VBH Series (with shockless stand)

Push-to start type

VBH-1820PS
VBH-3012PS

Variations **A** **B** **RoHS**



Ideal for working with products requiring high torque levels.

- High torque screw applications that were previously only possible with air-powered screwdrivers can now be performed with a brushless screwdriver.
- Tightening to the same torque level can now be done reliably.
- Recoils when tightening the screws are absorbed by the shockless stand to reduce operator fatigue.
- Features a light action push trigger for improved usability.

Specifications

Model	VBH-1820PS		VBH-3012PS	
Control torque range N·m (kgf·cm)	3.0~8.0 (30~80)		4.0~10.0 (40~100)	
Unloaded Rotation speed (r.p.m) ±10%	470		270	
Screw Size (mm)	5.0~6.0		5.0~6.0	
Dimensions (mm)	Grip	Max \varnothing 41, Min \varnothing 39 (non-circular)	Max \varnothing 41, Min \varnothing 39 (non-circular)	
	Length	366	366	
Weight (kg)	1.9kg (includes the screwdriver cord and slide arm)			
Bit Type	1/4 HEX			
AC Cord Length (m)	3m			
Accessories	3 Hollow set screws (M4 x 6mm) 1 hexagonal L-shaped wrench (width between flats 2mm)			

Shockless stand specifications

Length of slide arm	Usable slide range	Brace height	Stand		
			Stand height	Mounting bolt hole diameter	Mounting bolt hole spacing (Equilateral triangle, length of 1 side)
530	475	570	8	6	52

- Please inquire about purchases of VBH Series products.

Specifications

Lever start type Model	VB-1510		VB-1510-18		VB-1820		VB-3012		VB-4504	
Push-to start type Model	VB-1510PS		VB-1510PS-18		VB-1820PS		VB-3012PS		VB-4504PS	
Power Input / Power consumption (W)	AC 100V ±5% Approx. 20W		AC 100V ±5% Approx. 20W		AC 100V ±5% Approx. 40W		AC 100V ±5% Approx. 40W		AC 100V ±5% Approx. 40W	
	AC 120V ±5% Approx. 20W		AC 120V ±5% Approx. 20W		AC 120V ±5% Approx. 40W		AC 120V ±5% Approx. 40W		AC 120V ±5% Approx. 40W	
	AC 220~240V ±5% Approx. 25W		AC 220~240V ±5% Approx. 25W		AC 220~240V ±5% Approx. 32W		AC 220~240V ±5% Approx. 32W		AC 220~240V ±5% Approx. 32W	
Output Torque Range	N·m	0.25-1.5	0.2-1.0	0.4-1.8	0.5-3	1-4.5				
	lbf·in (kgf·cm)	2.2-13 (2.5-15)	2.2-10 (2-10)	3.5-16 (4-18)	4.3-26 (5-30)	8.7-39 (10-45)				
Torque Switching	Stepless Adjustment									
Unloaded Rotation Speed (r.p.m) ±10%	970		1,800		2,000		1,200		400	
Screw Size (mm)	Small Size Screw		2.0-4.0		2.6-4.0		3.0-5.0		3.0-5.0	
	Tapping Screw		2.0-3.0		2.6-3.0		3.0-4.0		3.0-4.0	
Bit Type	Hios 4 or 5 HEX or 1/4 HEX		Hios 4 or 5 HEX or 1/4 HEX		Hios 5 & 5 HEX or 1/4 HEX		Hios 5 & 5 HEX or 1/4 HEX		1/4 HEX	
AC Cord Length (m)	3m		3m		3m		3m		3m	
Accessories	Bit, ※1 1 of each	Hios H4	+ #1 (φ 4 × 40mm) + #2 (φ 4 × 40mm)		+ #1 (φ 4 × 40mm) + #2 (φ 4 × 40mm)		+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)		+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)	
		Hios H5	+ #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)	
		1/4 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)	
	Screw for adjustment					M2.6 (panhead screw)		M2.6 (panhead screw)		
3PIN to 2PIN power cable adaptor is attached	1 piece		1 piece		1 piece		1 piece		1 piece	