



Transformer-less AC type

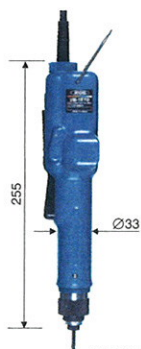
Plugs directly into an AC power point

VB Series

Unit: mm

Lever start type

VB-1510



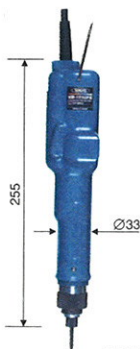
Weight: 526g



Variations **A B**

Push-to start type

VB-1510PS



Weight: 526g

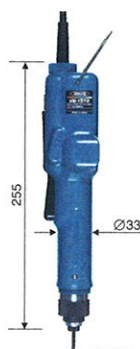


Variations **A B**

High speed type

Lever start type

VB-1510-18



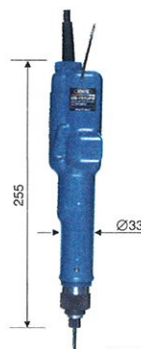
Weight: 526g



Variations **A B**

Push-to start type

VB-1510PS-18



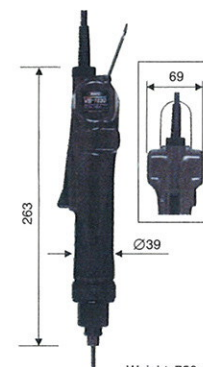
Weight: 526g



Variations **A B**

Lever start type

**VB-1820
VB-3012**



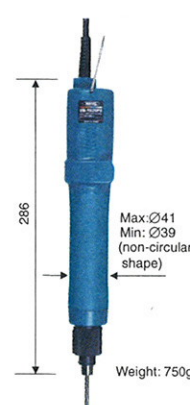
Weight: 750g



Variations **A B**

Push-to start type

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



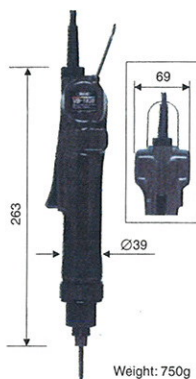
Weight: 750g



Variations **A B**

Lever start type

VB-4504



Weight: 750g



Variations **A B**

Push-to start type

VB-4504PS



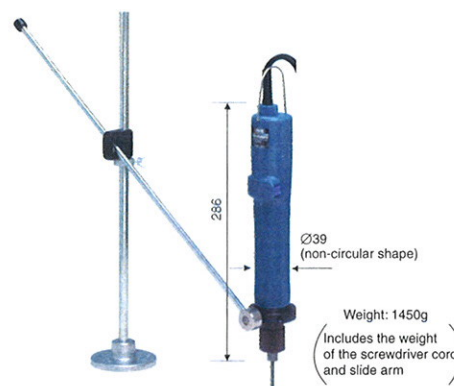
Weight: 750g



Variations **A B**

Push-to start type (100V only)

VB-4504PS
(with shockless stand)



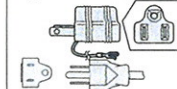
Weight: 1450g
(Includes the weight of the screwdriver cord and slide arm)



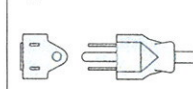
Variations **A B**

● Plug

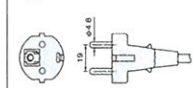
Type A / 100V



Type A-2 / 120V



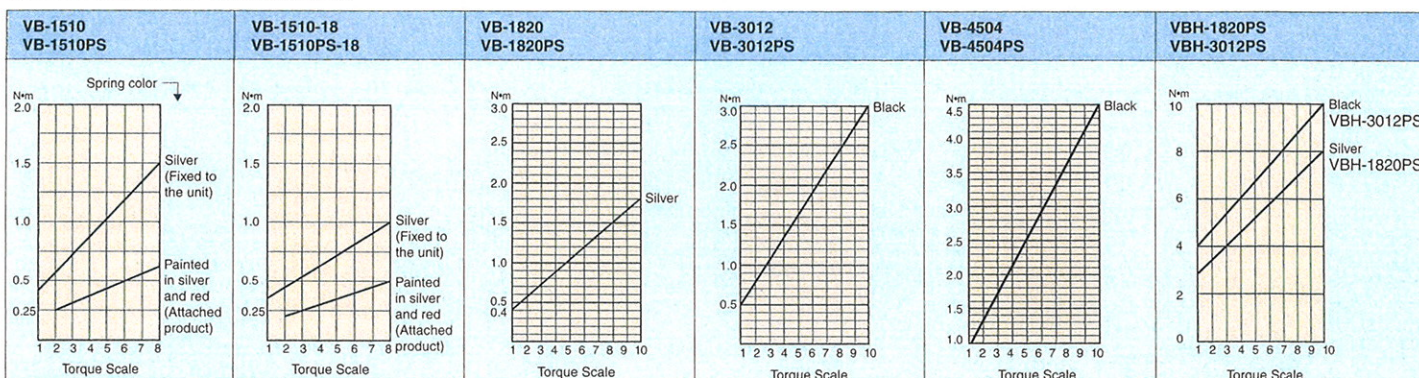
Type C / 220V-240V



●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 guide (during HI input)



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 CE



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 Ø41, Min Ø39 (non-circular)	Max Ø41, Min Ø39 (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
530	475	570	8	6	52 (Equilateral triangle, length of 1 side)

● 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 consumptin (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	2.2-13	2.2-10	3.5-16	4.3-26	8.7-39
	(kgf·cm)	(2.5-15)	(2-10)	(4-18)	(5-30)	(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	2.0-4.0	2.6-4.0	3.0-5.0	3.0-5.0
	Tapping Screw	2.0-3.0	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 of each	Hios H4	+ #1 (φ 4 × 40mm) + #2 (φ 4 × 40mm)	+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)	+ #1 (φ 5 × 60mm) + #2 (φ 5 × 60mm)	+ #1 (φ 5 × 50mm) + #2 (φ 5 × 50mm)
		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)	M2.6 (panhead screw)	M2.6 (panhead screw)
	3PIN to 2PIN power cable adaptor is attached		1 piece	1 piece	1 piece	1 piece