

## Brushed Screwdriver

# SS Series

(DC Type)

## For sensitive assemblies.

## Soft stop screwdrivers.

- Designed to minimize the effects of vibrations or impacts to the assembly parts.
- Optimal tool for assembly of hard disks, liquid crystal displays, high-density boards or other precision parts.
- SS-2000 has superb durability thanks to a coreless motor.
- SS Series is noiseless as standard.

### Lever Start Type

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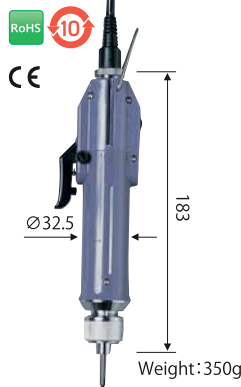
### Push-to-Start Type

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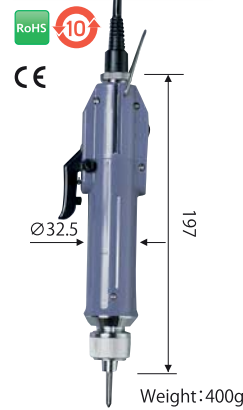
SS-2000



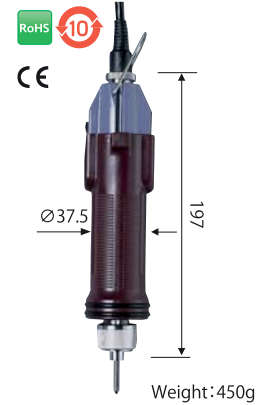
SS-3000



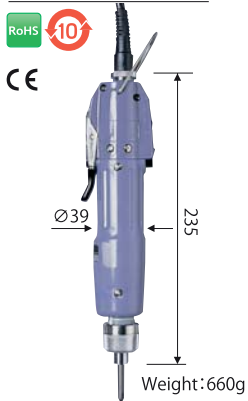
SS-4000



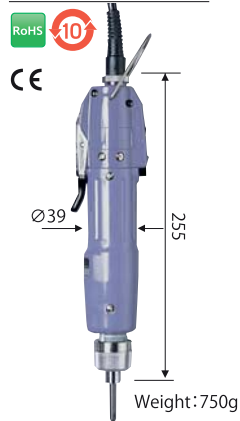
SS-4000PS



SS-6500

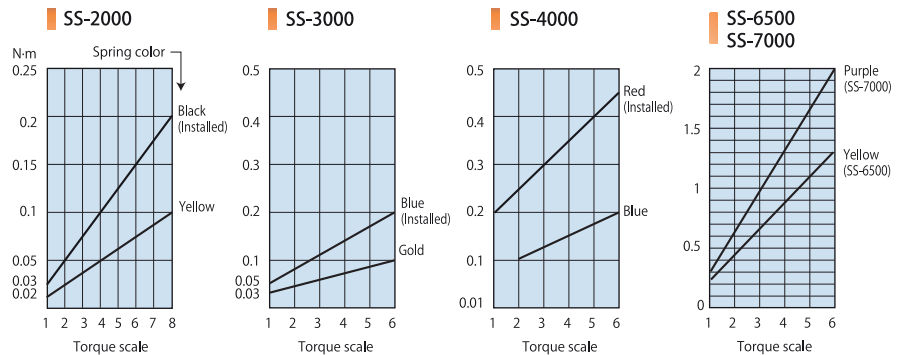


SS-7000



### Output torque guide (HI input)

(Including PS type)



### SS Series Specifications

### Specifications

Lever Start-Type Model		SS-2000	SS-3000	SS-4000	SS-6500	SS-7000
Push-to-Start-Type Model				SS-4000PS		
Output Torque Rang	N·m	0.02 - 0.2	0.02 - 0.2	0.1 - 0.45	0.25 - 1.3	0.3 - 2
	lbf·in (kgf·cm)	0.17 - 1.7 (0.2 - 2)	0.3 - 1.7 (0.3 - 2)	0.9 - 3.9 (1 - 4.5)	2.2 - 11 (2.5 - 13)	2.6 - 17 (3 - 20)
Torque Switching		Stepless adjustment	Stepless adjustment	Stepless adjustment	Stepless adjustment	Stepless adjustment
Unloaded Rotation	HI	680	1,000	1,000	900	750
	LOW	490	670	690	600	—
Screw Size(mm)	Machine Screw	1.0 - 2.3	1.0 - 2.0	1.4 - 2.6	2.0 - 3.0	2.0 - 4.0
	Tapping Screw	1.0 - 2.0	1.0 - 1.7	1.4 - 2.3	2.0 - 3.0	2.0 - 4.0
Bit	HIOS Shank	H4	H4	H4	H5	H5
Drive	HEX Shank	—	—	1/4HEX or 5HEX	1/4HEX or 5HEX	1/4HEX or 5HEX
Power Supply	CLT-45	○	○	○	○	—
	CLT-60	○	○	○	○	○
	CLT-100	○	○	○	○	—
	MC-70L	○	○	○	○	○
Accessories	Bit (one each)	H4	+ #0 (∅2.0×40 mm) + #0 (∅2.5×40 mm)	+ #0 (∅2.5×40 mm) + #1 (∅4.0×40 mm)		
		H5			+ #1 (∅5.0×60 mm) + #2 (∅5.0×60 mm)	+ #1 (∅5.0×60 mm) + #2 (∅5.0×60 mm)
	1/4HEX			+ #1 (∅5.0×50 mm) + #2 (∅5.0×50 mm) — (∅5.0×50 mm)	+ #1 (∅5.0×50 mm) + #2 (∅5.0×50 mm) — (∅5.0×50 mm)	+ #1 (∅5.0×50 mm) + #2 (∅5.0×50 mm) — (∅5.0×50 mm)
Spring	Yellow		Gold	Blue		
Cord length (m)	1.5 m (5P)		1.5m (5P)	1.5m (5P)	2m (5P)	2m (5P)
Carbon brush (order code)			1pair (A45-0420)	1pair (CL4-0420)	1pair (CL65-0490)	1pair (CL65-0490)

Note:  
The carbon brush for SS-2000 is enclosed in the motor and cannot be replaced. Although the life of the carbon brush depends on use conditions, as a guide, if you tighten about 6,000 screws a day, you need to replace the carbon brush 3 to 4 years after you started using it. Please contact HIOS distributors for maintenance and repair.

The unloaded rotation speed (r.p.m.) in the specifications is measured when the screwdriver is operated with the HIOS standard power supply. Therefore, if you use another power supply or when input voltage varies, the rotation speed will also vary. Please refer to the value in the specifications only as a guide.

## Suction(Vacuum)Attachment

### SSQ



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
SSQ-2000	F3-Standard 18mm	H4 60mm	CLQ2-SET/CLQ2-SET-ESD*
SSQ-3000	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
SSQ-4000	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
SSQ-6500	F6-Standard 31mm	H5 80mm	CLQ65-SET/CLQ65-SET-ESD*
SSQ-7000	F6-Standard 31mm	H5 80mm	CLQ65-SET/CLQ65-SET-ESD*

(Including PS Type)

\*ESD is anti-electrostatic

Note: The Suction Attachment cannot be used with 1/4HEX.



### Anti-electrostatic

### SS-ESD



The screwdriver body is made from an anti-electrostatic material to prevent the generation of static electricity which is suitable for the assembly of precision equipment and electronic parts.

[Surface resistance: max. 10<sup>9</sup>Ω ]

Models:

SS-2000ESD SS-6500ESD

SS-3000ESD SS-7000ESD

SS-4000ESD (Including PS Type)



### Clean Room + Anti-electrostatic

### SSQ-CR-ESD



In addition to anti-electrostatic, both the body and the Suction Attachment are tubed to remove powder dust generated in the body and in screw fastening.

[Class 100 equivalent]

[Surface resistance: max. 10<sup>9</sup>Ω ]

Models:

SSQ-2000CR-ESD

SSQ-3000CR-ESD

SSQ-4000CR-ESD

SSQ-6500CR-ESD

SSQ-7000CR-ESD

(Including PS Type)

## Related Products

## Related Products

## Accessories

## Accessories

### Power supply with HIOS Screw Counter CLT-70STC3

Power supply with HIOS Screw Counter helps to prevent skipping screw fastening.



Compatible screwdrivers:  
SS-2000 SS-3000 SS-4000  
SS-6500 SS-7000 (Including PS Type)

### Separate Counter CLOP-SC1

Separate Counter helps to prevent skipping screw fastening.



▶ See P. 43-45 for details.

### Pistol Attachment PA-65

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



Compatible screwdrivers:  
SS-6500, SS-7000 (Including PS Type)

### Push-to-Start Grip Attachment

### PS-1 PS-1-ESD

This attachment converts a screwdriver from lever start to push-to-start.



Compatible screwdrivers:  
SS-4000

(Image of fitting)