

# CL

## CL Series

Low Voltage DC type

## Handle low-torque tightening jobs with confidence!

- This screwdriver is especially designed to deliver low torque for accurate and stable fastening of precision screws.
- Model CL-2000 has a coreless motor with an especially long life.
- These mini type screwdrivers are suitable for those who prefer a light, compact tool.
- Running on low voltage, direct current, this tool is designed for safety.

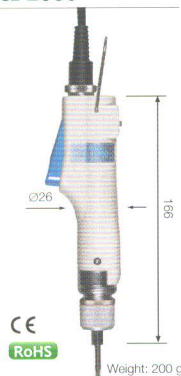
### Variation chart

| A | Q       | B | ESD                              | C | Q-CR-ESD  | D | NL*   |
|---|---------|---|----------------------------------|---|---|---|---|
|   | Suction |   | Anti-static electricity features |   | Clean room and anti-static electricity features |   | Electrical noise is more subdued than in standard tools |

\*CE NL Type is CE mark compliant

### Lever Start Type

CL-2000



Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | — | ● |

CL-2000 is CE mark compliant

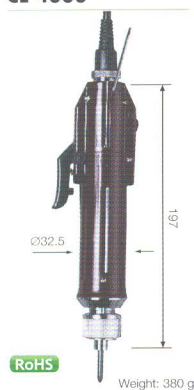
CL-3000



Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-4000

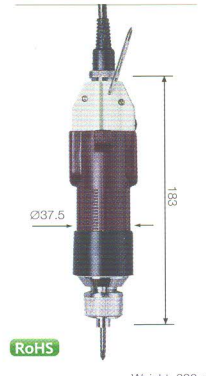


Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

### Push-to-Start Type

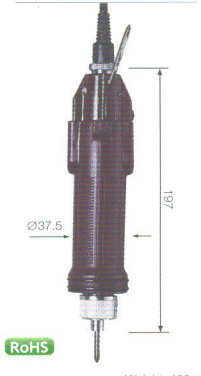
CL-3000PS



Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | — | ● |

CL-4000PS



Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | — | ● |

### Accessories for better operation

#### Push-start grip attachment

#### PS-1 · PS-2

Converts the starting system of a mini size driver from lever-start to push-start.



RoHS

Compatible model:

PS-1: CL-4000

PS-2: CL-3000

### Specifications

| Lever Start type Model          |                           | CL-2000             | CL-3000  | CL-4000  |
|---------------------------------|---------------------------|---------------------|--|--|
| Push-to-Start type Model        |                           |                     | CL-3000PS  | CL-4000PS  |
| Output Torque Range             | N·m                       | 0.02 - 0.2          | 0.03 - 0.2   | 0.1 - 0.55   |
|                                 | lbf·in                    | 0.17 - 1.7          | 0.3 - 1.7  | 0.9 - 4.8  |
|                                 | (kgf·cm)                  | (0.2 - 2)           | (0.3 - 2)  | (1 - 5.5)  |
| Torque Switching                |                           | Stepless Adjustment | Stepless Adjustment                                      | Stepless Adjustment  |
| Unloaded Rotation Speed (r.p.m) | HI                        | 680                 | 1000   | 1000   |
|                                 | LOW                       | 490                 | 670  | 690  |
| Screw Size (mm)                 | Small Size Screw          | 1.0 - 2.3           | 1.0 - 2.0  | 1.4 - 2.6  |
|                                 | Tapping Screw             | 1.0 - 2.0           | 1.0 - 1.7  | 1.4 - 2.3  |
| Bit Type                        |                           | Hios H4             | Hios H4  | Hios H4 or 1/4HEX  |
| Power Pack                      | LHT-30                    | ○                   | ○  | —  |
|                                 | LVT-30                    | ○                   | ○  | —  |
|                                 | CLT-30                    | ○                   | ○  | —  |
|                                 | CLT-60                    | ○                   | ○  | ○  |
|                                 | CLT-100                   | ○                   | ○  | ○  |
|                                 | MC-70L                    | ○                   | ○  | ○  |
| Accessories                     | Bit                       | (H4)                | + #0(Ø2.0 x 40 mm) 1 piece<br>+ #0(Ø2.5 x 40 mm) 1 piece | + #0(Ø2.0 x 40 mm) 1 piece<br>+ #1(Ø4.0 x 40 mm) 1 piece                       |
|                                 |                           | (1/4 HEX)           |  | + #1(Ø5 x 50 mm) 1 piece<br>+ #2(Ø5 x 50 mm) 1 piece<br>- (Ø5 x 50 mm) 1 piece |
|                                 | Spring                    | Yellow              | Gold   | Blue   |
|                                 | Carbon brush (Order code) |                     | 1 pair (A45-0420)  | 1 pair (CL4-0420)  |
|                                 | Cord Length (m)           | 1.5 m (5P)          | 1.5 m (5P)   | 1.5 m (5P)   |

### Ordercode

→P19

Model CL-2000's carbon brushes are located in a sealed case that cannot be opened for replacement by the user. In our test, they will last for 3-4 years when 6,000 operations are conducted daily (depends on the conditions of use).

# CL Series

Low Voltage DC type

## Well suited for many kinds of operations requiring a wide range of torque values

- This driver has been a long favorite of users who perform precision assembly, for its operability, reliability and stability.
- Has a grip designed for ease of operation over long work periods.
- Running on low voltage, direct current, this tool is designed for safety.

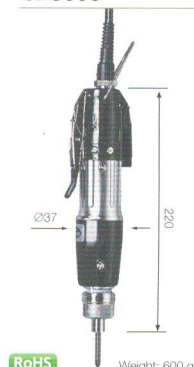
### Variation chart

| A       | Q | B                                | ESD | C   | Q-CR-ESD | D   | NL* |
|---------|---|----------------------------------|-----|---|----------|---|-----|
| Suction |   | Anti-static electricity features |     | Clean room and anti-static electricity features |          | Electrical noise is more subdued than in standard tools |     |

\* CE NL Type is CE mark compliant

### Lever Start Type

CL-6000

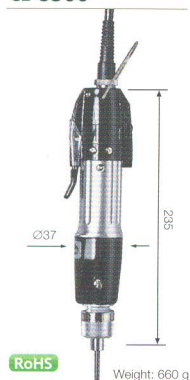


Weight: 600 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-6500

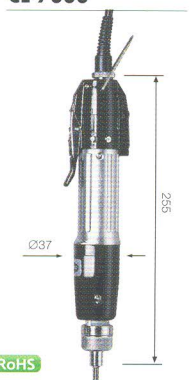


Weight: 660 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-7000

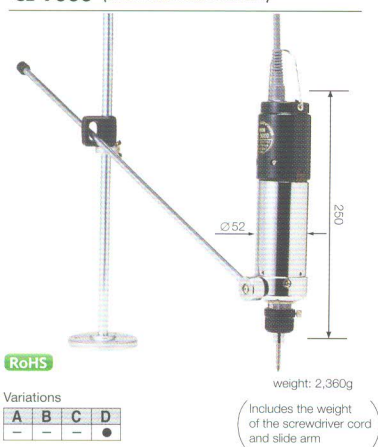


Weight: 750 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-9000 (with shockless stand)



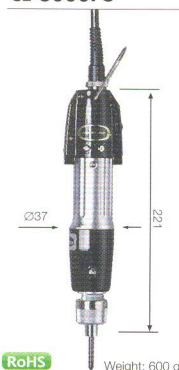
weight: 2,360g  
(Includes the weight of the screwdriver cord and slide arm)

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

### Push-to-Start Type

CL-6000PS

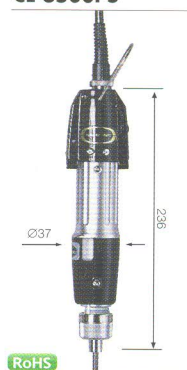


Weight: 600 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-6500PS

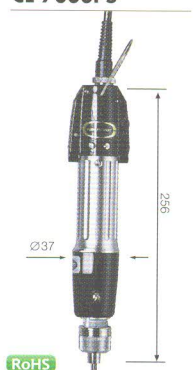


Weight: 660 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

CL-7000PS



Weight: 750 g

Variations

| A | B | C | D |
|---|---|---|---|
| ● | ● | ● | ● |

### Accessories for better operation

#### Pistol attachment

##### PA-65

This attachment converts a standard driver to a pistol-style driver.



RoHS  
Compatible model:  
CL-6000, CL-6500, CL-7000

#### Angle attachment

##### ANGL-Z (For Hios shanks)

##### ANGLX-Z (For hex shanks)

Attach to the end of the driver when there isn't enough space for a standard driver to tighten the target screw.



\*Please keep output torque to within 1.5N · m

RoHS  
Compatible model:  
CL-6000, CL-6500, CL-7000  
(Lever Start type only)

### Specifications

| Lever Start type Model          |                           | CL-6000             | CL-6500  | CL-7000  |  |
|---------------------------------|---------------------------|---------------------|--|--|--|
| Push-to-Start type Model        |                           | CL-6000PS           | CL-6500PS  | CL-7000PS  | CL-9000  |
| Output Torque Range             | N·m                       | 0.2 - 1             | 0.3 - 1.6  | 0.3 - 2.5  | 1.2 - 5  |
|                                 | lbf·in                    | 1.7 - 8.8           | 2.6 - 14   | 2.6 - 22   | 10 - 43  |
|                                 | (kgf·cm)                  | (2 - 10)            | (3 - 16)   | (3 - 25)   | (12 - 50)  |
| Torque Switching                |                           | Stepless Adjustment | Stepless Adjustment  | Stepless Adjustment  | Stepless Adjustment                                      |
| Unloaded Rotation Speed (r.p.m) | HI                        | 800                 | 900  | 750  |  |
|                                 | LOW                       | 500                 | 600  | 500  | 530  |
| Screw Size (mm)                 | Small Size Screw          | 2.0 - 3.0           | 2.0 - 4.0  | 2.0 - 5.0  |  |
|                                 | Tapping Screw             | 2.0 - 2.6           | 2.0 - 3.0  | 2.0 - 4.0  | 4.0 - 6.0  |
| Bit Type                        |                           | Hios H5 or 1/4HEX   | Hios H5 or 1/4HEX  | Hios H5 or 1/4HEX  | 1/4 HEX  |
| Power Pack                      | CLT-60                    | ○                   | ○  | ○  | —  |
|                                 | CLT-100                   | ○                   | ○  | ○  | —  |
|                                 | MC-70L                    | ○                   | ○  | ○  | —  |
|                                 | CLT-75                    | —                   | —  | —  | ○  |
| Accessories                     | Bit                       | (H5)                | + #1 (25 x 60 mm) 1 piece<br>+ #2 (25 x 60 mm) 1 piece                           | + #1 (25 x 60 mm) 1 piece<br>+ #2 (25 x 60 mm) 1 piece                           |  |
|                                 |                           | (1/4 HEX)           | + #1 (25 x 50 mm) 1 piece<br>+ #2 (25 x 50 mm) 1 piece<br>- (25 x 50 mm) 1 piece | + #1 (25 x 50 mm) 1 piece<br>+ #2 (25 x 50 mm) 1 piece<br>- (25 x 50 mm) 1 piece | + #2 (27 x 100 mm) 1 piece<br>+ #3 (27 x 100 mm) 1 piece |
|                                 | Spring                    |                     | White  | Yellow   |  |
|                                 | Carbon brush (Order code) | 1 pair (CL65-0490)  | 1 pair (CL65-0490)   | 1 pair (CL65-0490)   |  |
|                                 | Cord Length (m)           | 2 m (5P)            | 2 m (5P)   | 2 m (5P)   | 2 m (5P)   |

Ordercode  
→ P19