

CL Series Mini Type

# CL

## CL Series (Mini Type)

Reference page

Power pack . . . . . P17  
Peripheral unit . . . P.25,26  
Bit . . . . . P34



CL-4000

CL-4000PS

## Shows great force in low torque tightening !

It's the low torque only driver that can tighten with stabilized force.

CL-2000 has excellent durability by adapting coreless motor.

It is small size and light weight, so women can hold easily.

Ensures safety because it's designed in a low-tension direct current method.

CL-2000 is now easier to get in compound with CLT-20 (exclusive power).

### Lever Start Type

Lever Start Type

CL-2000



CL-3000



CL-4000



### Push-to-Start Type

Push-to-Start Type

CL-3000PS



CL-4000PS



unit : mm

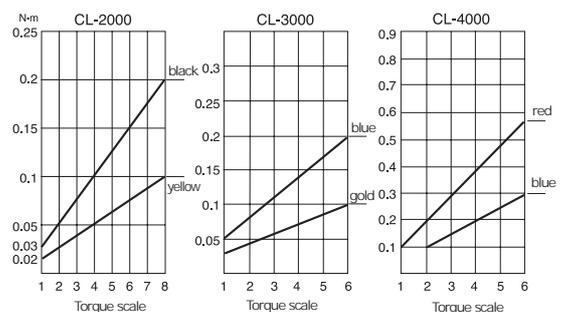
## CL-Series Mini type model

Specifications

Lever Start Type model name		CL-2000	CL-3000	CL-4000
Push-to-Start Type model name			CL-3000PS	CL-4000PS
Output torque range	N·m	0.02~0.2	0.03~0.2	0.1~0.55
	(kgf·cm)	(0.2~2)	(0.3~2)	(1~5.5)
Torque switching		Stepless adjustment	Stepless adjustment	Stepless adjustment
Unloaded rotation speed	HI	680	1,000	1,000
	LOW	490	670	690
Available fastening	small screw	1.0~2.3	1.0~2.0	1.4~2.6
Screw standard(mm)	tapping screw	1.0~2.0	1.0~1.7	1.4~2.3
Suiting bit		Hios H4	Hios H4	Hios H4 or 1/4HEX
Suiting power	CLT-20	○	—	—
	CLT-50	○	○	○
	CLT-65	○	○	○
	CLT-70	○	○	○
	CLT-100	○	○	○
	MC-70L	○	○	○
	U-element	Bit	+ #0 (φ2.0×40mm) 1piece (H4) + #0 (φ2.5×40mm) 1piece	+ #0 (φ2.0×40mm) 1piece + #0 (φ2.5×40mm) 1piece
	(1/4 HEX)	—	—	+ #1 (φ5×50mm) 1piece + #2 (φ5×50mm) 1piece — (φ5×50mm) 1piece
	Spring	Yellow(φ1.0)	Gold(φ1.0)	Blue(φ1.2)
	Carbon brush	—	1Pair	1 Pair
	Cord	5P 1.5m	5P 1.5m	5P 1.5m

※ mark on suitable power shows possibility of use.

### Output torque standard list



CL-2000 exclusive power per 1 **CLT-20** refer to p.18 for model



Exchange is impossible on carbon brush CL-2000 airtight type. It differs according to using conditions, but 3-4 year is change standard assuming 6,000 screws are fastened a day. Then you must seek for repair.

CL Series Standard Type

# CL

## CL Series (Standard Type)

Reference page  
 Suitable power . . . . P17  
 Peripheral unit . . . P.25,26  
 Bit . . . . . P34



CL-6500

CL-6500PS

## Wide range torque makes work efficient.

Long selling driver that has great operations, dependence and stability in accurate assembling.

The grip form reduces the stress of long hour working.

Ensures safety because it's designed in a low-tension direct current method.

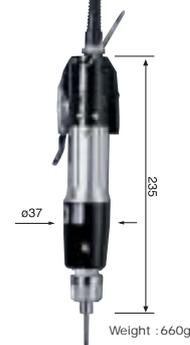
### Lever Start Type

Lever Start Type

CL-6000



CL-6500



CL-7000



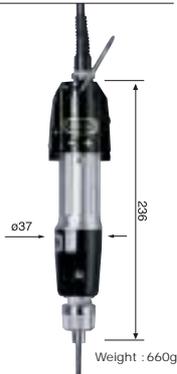
### Push-to-Start Type

Push-to-Start Type

CL-6000PS



CL-6500PS



CL-7000PS



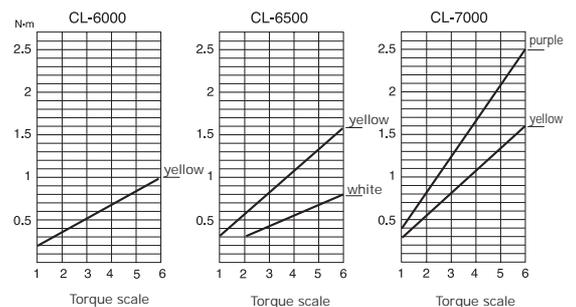
unit : mm

### CL-Series standard type model

### Specifications

Lever Start Type model name		CL-6000	CL-6500	CL-7000	
Push-to-Start Type model name		CL-6000PS	CL-6500PS	CL-7000PS	
Output torque range	N·m	0.2~1	0.3~1.6	0.3~2.5	
	(kgf·cm)	(2~10)	(3~16)	(3~25)	
Torque switching		Stepless adjustment	Stepless adjustment	Stepless adjustment	
Unloaded rotation r.p.m	HI	800	900	750	
	LOW	500	600	-	
Available fastening Screw standard(mm)	small 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	
Suiting bit		Hios H5 or 1/4HEX	Hios H5 or 1/4HEX	Hios H5 or 1/4HEX	
Suiting power	CLT-50	○	○	○	
	CLT-65	○	○	○	
	CLT-70	○	○	○	
	CLT-100	○	○	○	
	MC-70L	○	○	○	
U-element	Bit	(H5)	+ #1 (φ5×60mm) 1 piece + #2 (φ5×60mm) 1 piece	+ #1 (φ5×60mm) 1 piece + #2 (φ5×60mm) 1 piece	+ #1 (φ5×60mm) 1 piece + #2 (φ5×60mm) 1 piece
		(1/4 HEX)	+ #1 (φ5×50mm) 1 piece + #2 (φ5×50mm) 1 piece - (φ5×50mm) 1 piece	+ #1 (φ5×50mm) 1 piece + #2 (φ5×50mm) 1 piece - (φ5×50mm) 1 piece	+ #1 (φ5×50mm) 1 piece + #2 (φ5×50mm) 1 piece - (φ5×50mm) 1 piece
	Spring	-	white (φ 1.8)	yellow (φ 2.2)	
	Carbon brush	1 pair	1 pair	1 pair	
Cord		5P 2m	5P 2m	5P 2m	

### Output torque standard list



※○ mark on suitable power shows possibility of use.

CL Series Mini Type

# CL Series (High torque type)

## Shows mighty strength in 5N·m (50kgf·cm) fastening.

The high torque tightening work, which was available only with air driver, can now be done stabilized with electric power

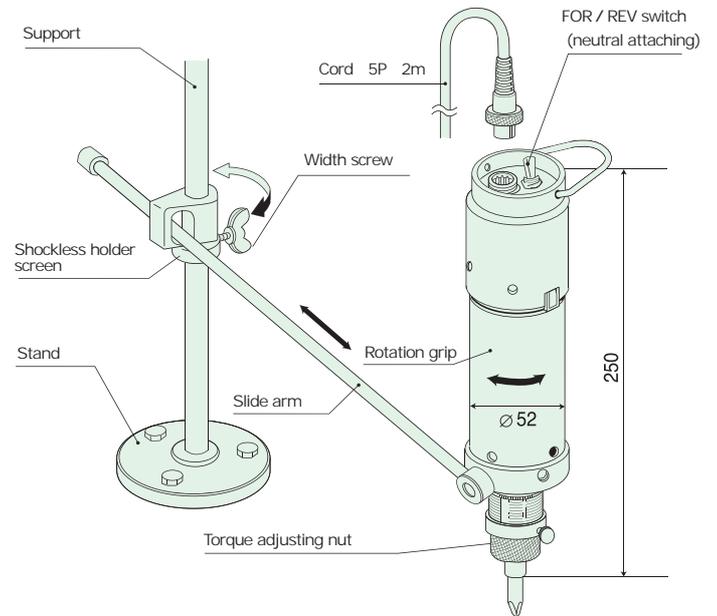
Reduces tiring in a vast amount by absorbing the reaction while fastening screws, to the shockless stand.

Ensures safety because it's designed in a low-tension direct current method.

It's the push-to-start type that starts just by pushing lightly.



CL-9000



1300g (Driver's main body)

Unit:mm

### CL Series high torque type model

### Specifications

Model name	CL-9000	
Output torque range	1.2 ~ 5	
Torque switching	Stepless	
Unloaded rotation speed r.p.m	530	
Available fastening Screw standard(mm)	4060	
Suiting nut	1/4HEX	
Suiting power	CLT-75	
U-element	(1/4HEX)	+ #2 ( 7 x 100mm) 1piece + #3 ( 7 x 100mm) 1piece
Driver cord	5P 2m 1piece	
Stand ASSY	Stand including support 1 piece Width screw 1 piece Shockless holder screen 1 piece	

Shockless stand		Stand		Measurement unit/mm
Slide arm length	530	Stand length	8	
Valid slide range	475	Attached bolt hole inside diameter	6	
Support height	570	Attached bolt's hole distance	52 (side length of a triangle)	

	<b>CL-9000 exclusive power</b>		
	<b>CLT-75</b> (Control function installed)		
	Secondary power output		
Voltage	100V	120V	220V ~ 240V
Primary power input voltage	AC100V ± 5% (50/60Hz)	AC120V ± 5% (50/60Hz)	AC220V ~ 240V ± 5% (50/60Hz)
Secondary power output	HI Max8A		
Power capacity	175W		
External size(mm)	182(W) x 220(D) x 133(H)		
Weight	About 6Kg		
AC power cord length	1.8m(ground included)		
Plug shape	A-1	A-2	C BF
Order code	CLT-75	CLT-75-120USA	CLT-75-220VDE CLT-75-SP

Refer to P.18 for plug shapes.



Close on sale

## CL-4100

It's much more easier to use.

Adding to the customary CL-4000's operational merits, durability of torque controlling part is improved. With the new design of clutch parts, accuracy is upgraded.

Torque adjusting nut protection cover prevents the worker from contacting torque. Adapted a grip that has no harm in hands.

Push-to-start type also available. (CL-4100PS)

### CL-4100 type

Lever start type model name	<b>CL-4100</b>	
Output Torque range	N·m	0.1 ~ 0.55
	(kgf·cm)	(1 ~ 5.5)
Torque switching	Stepless adjustment	
Unloaded rotation r.p.m	HI	1000
	LOW	690
Available fastening Screw standard (mm)	Small screw	1.4 ~ 2.6
	Tapping screw	1.4 ~ 2.3
Measures(mm)	Grip diameter	32.5
	Whole length	197
Suiting bit	Hios H4	
Weight(g)	About 400	

### Output torque standard list

