



High torque applications up to 5N·m (50kgf·cm).

- This driver can tighten high-torque required screws which are tightened by pneumatic screwdrivers.
- can always fasten screws with stable torque.
- The Shockless Stand absorbs reaction force created by the clutch.

Push-to-Start Type

Push-to-Start Type

Unit : mm

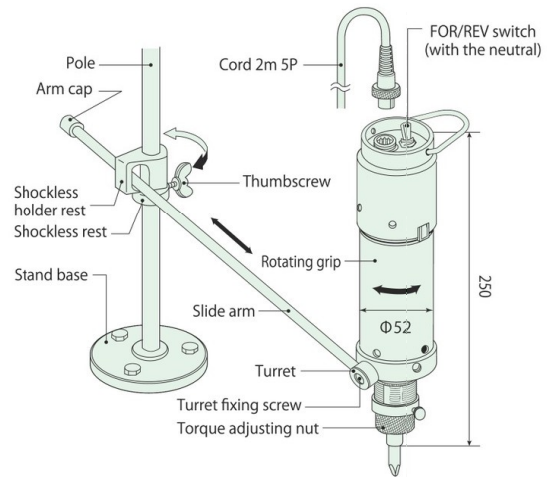
CL-9000 (with shockless stand)



Weight: 3,010g
(Driver Cord, Slide Arm : 2,360g)
(Pole, Stand Base : 650g)

Main Components of Shockless Stand

Unit : mm



Weight: 1,300 g
(body only)

Specifications

Slide arm length	530	
Effective sliding range	475	
Support rod height	570	
Stand base	Height	8
	Diameter of fixing bolt hole	Ø6
	Distance between fixing bolt holes	52 (one side of the equilateral triangle)

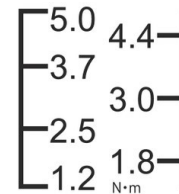
CL Series Specifications

Specifications

Push-to-Start Type Model	CL-9000	
Out put Torque Range	N·m	1.2 - 5
	lbf·in (kgf·cm)	10 - 43 (12 - 50)
Torque Switching	Stepless adjustment	
Unloaded Rotation Speed (r.p.m)± 5%	530	
Screw Size (mm)	Machine Screw	4.0 - 6.0
	Tapping Screw	4.0 - 6.0
Bit Drive	HEX shank	1/4HEX
Power Supply	CLT-80	
Accessories	1/4HEX	+ #2 (Ø7.0×100mm) + #3 (Ø7.0×100mm)
	Stand ASSY	Pole, stand base, shockless rest, thumbscrew (1pc each)
	Arm ASSY	Shockless holder, slide arm with arm cap, turret, turret fixing screw (1pc each)
	Cord Length(m)	2m (5P)
	Carbon brush (Order code)	1 pair (CL9-0410)

Scale of Output Torque

A label that indicates output torque values is placed on the body of CL-9000.



Variations

CL Applicable Drivers

Suction(Vacuum)Attachment

CLQ

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. 63-64.

Model	(A) Mouthpiece model	(B) Bit length	(C) Suction Attachment model
CLQ-2000	F3-Standard 18mm	H4 60mm	CLQ2-SET/CLQ2-SET-ESD*
CLQ-3000	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
CLQ-4000	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
CLQ-6000	F6-Standard 31mm	H5 80mm	CLQ65-SET/CLQ65-SET-ESD*
CLQ-6500	F6-Standard 31mm	H5 80mm	CLQ65-SET/CLQ65-SET-ESD*
CLQ-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

CL-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. 10⁴Ω]

Models:
CL-2000ESD CL-6000ESD
CL-3000ESD CL-6500ESD
CL-4000ESD CL-7000ESD
(Including PS Type)



Clean Room + Anti-electrostatic

CLQ-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. 10⁴Ω]

Models:
CLQ-3000CR-ESD
CLQ-4000CR-ESD
CLQ-6000CR-ESD
CLQ-6500CR-ESD
CLQ-7000CR-ESD
(Including PS Type)

Related Products

Related Products

Noiseless Screwdriver

CL-NL



Electrical noise is more subdued than standard screwdrivers.

*This product is not CE certified.

Models:
CL-6500NL
CL-3000NL * CL-7000NL
CL-4000NL CL-9000NL
CL-6000NL *
(Including PS Type)

Power supply with HIOS Screw Counter

CLT-70STC3

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



Compatible screwdrivers:
CL-2000 CL-3000 CL-4000 CL-6000
CL-6500 CL-7000 (Including PS Type)

Separate Counter

CLOP-SC1

Separate Counter helps to prevent skipping screw fastening.



▶ See P. 47-50 for details.

Accessories

Accessories

Pistol Attachment

PA-65

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



Compatible screwdrivers:
CL-6000, CL-6500, CL-7000 (Including PS Type)

Angle Attachment

ANGL-Z (For HIOS H5 and 5HEX drive)

ANGLX-Z (For 1/4 HEX drive)

This attachment is most suitable when the available space is very small for screw fastening. The attachment can be fitted to the tip of the screwdriver.



* Always set the output torque at 1.2N·m or lower when you use this attachment.



Compatible screwdrivers:
CL-6000, CL-6500, CL-7000 (Lever Type only)

Push-to-Start Grip Attachment

PS-1

PS-1-ESD

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



Compatible screwdrivers:
CL-4000 (Image of fitting)