

# CLF / αF / CL-A Series (DC Type)

Low Torque

## CLF Series

- CLF-3000      CLF-6000
- CLF-4000      CLF-6500
- CLF-7000



HI Speed

## αF Series

- αF-4500      αF-6500
- αF-5000



Screwdrivers for Automated Machines(DC Type)

Brushed Screwdrivers for Automated Machines CLF / αF / CL-A Series

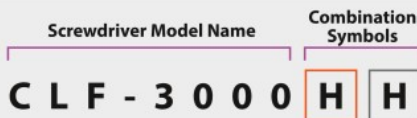
## SPECIFICATIONS

Model	CLF-3000	CLF-4000	CLF-6000	CLF-6500	CLF-7000	αF-4500	αF-5000	αF-6500	CL-816A	CL-825A	CL-850A
Output Torque Range (N·m)	0.03 - 0.15	0.1 - 0.35	0.3 - 0.6	0.4 - 1	0.5 - 1.5	0.4 - 0.6	0.4 - 0.75	0.5 - 1.1	1.5 - 2.5	2 - 4	2.4 - 4.5
Unloaded Rotation Speed (r.p.m)±10% [HI/LOW]	1,000 / 560		750 / 400	850 / 440	780 / 420	1,700 / 940	1,100 / 600	1,700 / 950	550 / 310	370 / 210	570 / 320
Screw Size(mm)	Machine Screw	1.0 - 2.0	1.4 - 2.6	2.0 - 3.0	2.0 - 3.0	2.0 - 4.0	2.0 - 3.0	3.0 - 4.0	3.0 - 4.0	4.0 - 5.0	4.0 - 5.0
	Tapping Screw	1.0 - 1.7	1.4 - 2.3	2.0 - 2.6	2.0 - 3.0	2.0 - 4.0	2.0 - 2.6	2.0 - 3.0	2.6 - 3.0	3.0 - 4.0	4.0 - 5.0
External Dimensions	Grip Diameter	∅32.5		∅37		∅32.5		∅37	∅50		∅62
	Total Length (mm)	182	197	234		266	207	248	251		261
Weight (g)	400	430	610	670	754	430	670	670	1,270		1,700
Bit Drive Selection	Standard	H4		H5		H4		H5	—		
	Special Order	—	1/4HEX	1/4HEX		1/4HEX		1/4HEX		1/4HEX	
Accessories	Spring	Gold	Blue	White	Yellow	—		White		Yellow	
	Cord Length	3m (5P)		3m (5P)		3m (5P)		3m (4P5P)		3m (4P4P)	
Carbon Brush Order Code (optional) 2 pcs per set	A45-0420	CL4-0420	CL65-0490		A45-0420		CL65-0490	CL9-0410		CL850-0381	
Variations	Q	HIOS Shank	●	●	●	●	●	●	—	—	—
		HEX Shank	—	—	—	—	—	—	—	—	—
	R/O/OW	HIOS Shank	●	●	●	●	●	●	●	●	●
		HEX Shank	●	●	●	●	●	●	●	●	●

\* The rotation speed in the table may have some error due to fluctuations in input voltage. Please refer to the rotation speed as a guide.

\* Please be careful about the flange shape because it varies depending on the wiring inside the driver or the model.

### Order Code Guide for Screwdrivers for Automated Machines



Bit drive..... HIOS Shank (H) or HEX Shank (X)  
 Controller ..... Manufactured by HIOS (H) or Nitto Seiko (N)

### Combination List

Combination Symbols	Bit Drive	Controller
<b>HH</b>	HIOS Shank	HIOS controller
<b>HN</b>	HIOS Shank	Nitto controller
<b>XH</b>	HEX Shank	HIOS controller
<b>XN</b>	HEX Shank	Nitto controller