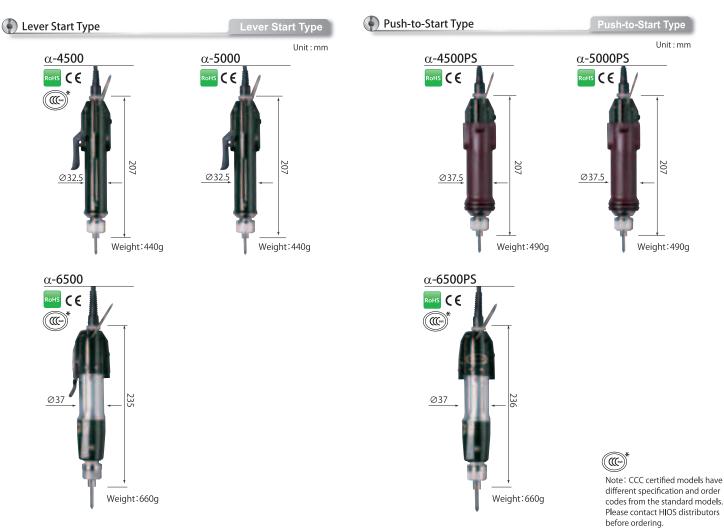


Powerful, high speed motor improves productivity

- α -Series increases operating efficiency by reducing screw tightening time with high speed rotation (1,700 rpm).
- A low DC voltage power safety design.
- \bigcirc α-Series is noiseless as a standard specification.

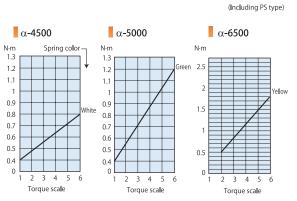


•	α -Series	Specifications
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(8)	100		73	Eзн	ca	rs-		0.0
	9,	(F)	91		100	и	Lº.	1115

Lever Start Type Model			pe l	Model	α -4500	α-5000	α-6500	
Push-to-Start Type Model			Гуре	Model	α- 4500PS	α-5000PS	α-6500PS	
Out	Output N·m		m	0.4 - 0.8	0.4 - 1.2	0.5 - 1.8		
Torque Range Ibi		lbf	·in	3.5 - 7	3.5 - 10	4.3 - 16		
		(kgf·cm)		(4 - 8) (4 - 12)		(5 - 18)		
Tor	Torque Switching				Stepless adjustment	Stepless adjustment	Stepless adjustment	
Unl	Unloaded Rotation HI			HI	1,700	1,000	1,700	
Spe	Speed (r.p.m) ±10% LOW		LOW	1,200	700	1,200		
Scr	Screw Machine Screw		Screw	2.0 - 3.0	2.3 - 3.0	3.0 - 4.0		
Size	Size(mm) Tapping Screw		Screw	2.0 - 2.6	2.3 - 3.0	2.6 - 3.0		
Bit	Bit HIOS Shank			H4	H4	H5		
Driv	Drive HEX Shank			1/4HEX or 5HEX	1/4HEX or 5HEX	1/4HEX or 5HEX		
Pov	Power		CLT-60		0	0	0	
	ply		CLT-100		0	0	_	
Jur	Pry		MC-70L		0	0	0	
				H4	+#1 (∅4.0×40 mm)	+#1 (∅4.0×40 mm)		
				+#2 (∅4.0×40 mm)	+#2 (∅4.0×40 mm)			
>	Ri+	Bit (one each)		H5			+#1 (∅5.0×60 mm)	
50				ПЭ			+#2 (∅5.0×60 mm)	
Accessories	(OHE				+#1 (5.0×50 mm)	+#1 (5.0×50 mm)	+#1 (5.0×50 mm)	
)rie:				1/4HEX	+#2 (5.0×50 mm)	+#2 (5.0×50 mm)	+#2 (5.0×50 mm)	
0					− (5.0×50 mm)	− (5.0×50 mm)	- (5.0×50 mm)	
	Cord length (m)			n)	1.5 m (5P)	1.5 m (5P)	2 m (5P)	
	Carbo	Carbon brush (order code)			1pair (A45-0420)	1pair (A45-0420)	1pair (CL65-0490)	

Output torque guide (HI input)



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 value displayed will also vary. Please refer to the value in the specifications only as a guide.



Suction (Vacuum)

By making use of negative pressure, the effort needed to pick up screws can be reduced. This suction device can even pick up non-ferrous screws such as stainless steel screws by vacuuming, and improves operation efficiency. It can also be used to remove powder dust generated from screw tightening.



 αQ

Order guide

(A) and (B) needed to be purchased separately if you have a suction-type screwdriver. (A), (B) and (C) needed to be purchased separately if you want to convert your screwdriver to a suction type.

*There are several options of sizes of (A) and (B) depending on the screw size. For more information on the size, please refer to P. 58.

Model	(A) Mouthpiece model	(B) Bit length	(C) Suction attachment model
αQ-4500	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
αQ-5000	F3-Standard 18mm	H4 60mm	CLQ4-SET/CLQ4-SET-ESD*
αQ-6500	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

 α -FSD

 $\begin{array}{ll} \text{Models:} \\ \alpha\text{-4500ESD} & \alpha\text{-6500ESD} \\ \alpha\text{-5000ESD} & \dots & \dots \end{array}$

(Including PS Type)



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

[Surface resistance: max. $10^4\Omega$]



Clean Room + Anti-electrostatic

αQ-CR-ESD

Models: α Q-4500CR-ESD α Q-5000CR-ESD α Q-6500CR-ESD

(Including PS Type)

In addition to anti-electrostatic measures, two vacuum units are installed in the body and the suction attachment in order to suck up dust generated from screw tightening.

[Class 100 equivalent] [Surface resistance: max. $10^4\Omega$]

* Push-to-start grip attachment PS-1-ESD (anti-electrostatics) is attached to α Q-4500CR-ESD and α Q5000CR-ESD.



Related Products

Power supply with HIOS screw counter

CLT-70STC3

Power supply with HIOS screw counter helps to prevent skipping screw tightening.



Compatible screwdrivers: α -4500, α -5000, α -6500 (Including PS Type)

Separate counter

CLOP-SC1

External counter helps to prevent skipping screw tightening.



See P. 41-43 for details



Accessories

Pistol Attachment

PA-65

This attachment converts a standard screwdriver to a pistol-style screwdriver, most suitable for horizontal tightening.



Compatible screwdrivers: α -6500 (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 tight for screw tightening. This attachment can be fitted to the tip of the screwdriver.

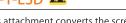


Compatible screwdrivers: α -6500 (Lever Type only)

Push-to-Start Grip Attachment

'5-1

PS-1-ESD 🕰



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



PS-1-ESD



(Image of fitting)

Compatible screwdrivers: α -4500, α -5000