

ELECTRIC TORQUE SCREWDRIVER INDUSTRIAL STRENGTH

ISO 9001



Certificate TW04/02301



SUMAKE®

MAKE JOBS BETTER THAN EVER



Presentation

SUMAKE specializes in the design and manufacture of electric torque screwdrivers which are widely used in assembly applications. Our electric torque screwdriver features excellent torque control to ensure accuracy in fastening and an ergonomic designs featuring an anti-slip exterior that ensure comfortable operation. Our motor and clutch combination offer high accuracy, wide torque ranges, low noise, high efficiency, and much more. We are equipped with modern facilities using, strict quality control systems to ensure each electric screwdriver is fully satisfactory to our customers. In addition, the know how of our R&D team makes sure that our customers are provided with the latest innovations in light torque solutions.

With both experience and innovation, we are confident that we are providing users of **SUMAKE** Electric Screwdrivers the highest quality in the market.

SUMAKE's manufacturing process conforms to the ISO9001 standards. **SUMAKE** product quality is certified daily by an increasing number of satisfied customers all over the world who choose **SUMAKE** electric screwdrivers because they are reliable and accurate, safe and pollution free, quiet and powerful, innovative and built to last. We run a efficient well organized computerized Q.C. systems that ensure we meet quality, packaging and delivery benchmarks. **SUMAKE** quality will help you stay ahead of the competition.

Additionally, our Premium Brushless Electric Screwdrivers include a state of the art high performance brushless motor designed to provide durability and a reduction in standard maintenance costs. Brushless motors run significantly cleaner and smoother than standard brushed motors.

Why use Brushless over Brushed Motors:

- Wider Torque & RPM Range: Brushless motors obtain higher speeds and torques than traditional brushed motors.
- Higher Duty cycles: Brushless motors have a lower thermal resistance and are capable of operating in wider temperature ranges.
- Cleaner & Safer: No brushes mean less maintenance and no brush residue contaminating the internal parts of the screwdriver or the work environment. There is none of the arcing associated with traditional brushed motors making brushless motor screwdrivers safer in a wider working environments. Brushless DC motors are also safer when in contact with fluids than brush DC motors.
- Quieter: Since there is no brush arcing or brush commutation, brushless motors are much quieter and run smoother.
- Smaller and lighter: Because they have lower thermal resistance, are capable of operating in wider temperature ranges, have higher torque to inertia ratios, and have greater acceleration, smaller brushless DC motors can do the same job for which their much larger counterparts would otherwise be used. This results in an overall cost savings.

Our goal is to offer our customers a complete line of torque control products and fastening tools, while providing world-class service and support.


SUMAKE, your partner in business!




PREMIUM BRUSHLESS FULL AUTO SHUT OFF DC ELECTRIC SCREWDRIVERS

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STANDARD DC FULL AUTO SHUT-OFF ELECTRIC SCREWDRIVERS

	LOW TO MEDIUM TORQUE- 0.02~4.41 N.m POWER SUPPLY	Page 13 ~ 14
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AC FULL AUTO & SEMI AUTO ELECTRIC SCREWDRIVERS

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PREMIUM BRUSHLESS DC SCREWDRIVERS

Low Torque With Full Auto Shut Off Clutches

■ Torque Range 0.008~0.98 N.m

Feature

- Smallest & Lightest.(For EA-B101L-C/C3 ~ EA-B103LS1-C/C3)
- High functioning brushless motor.

Lightest & Lowest Torque
0.17Kg Only
0.008~0.34N.m



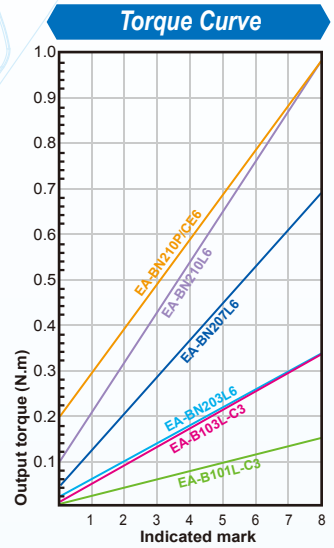
Lever Start Type
EA-B101L-C/C3 ~ EA-B103LS1-C/C3
Bit Shank: Ø4mm
Mini type



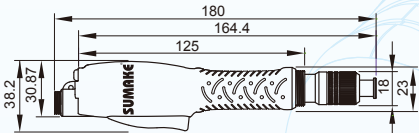
Lever Start Type
EA-BN203L/C6 ~ EA-BN210L/C6



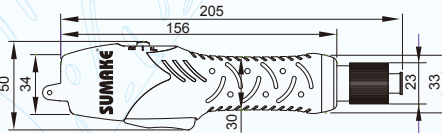
Push To Start Type
EA-BN210P/CE6



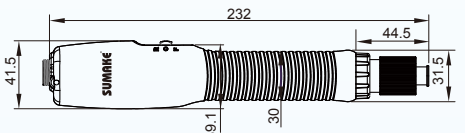
External Dimension unit:mm



Lever Start Type
EA-B101L-C/C3 ~ EA-B103LS1-C/C3



Lever Start Type
EA-BN203L/C6 ~ EA-BN210L/C6



Push To Start Type
EA-BN210P/CE6

Specifications :

Power Supply	Model No.	Torque Range ±3%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (ø)		Tapping Screw (ø)		g	lb	mm	in			
							mm	in	mm	in							
Lever Start Type																	
■	EA-B101L-C/C3	0.08~1.5	0.07~1.30	0.008~0.15	1000	700	1.0~1.7	0.04~0.07	1.0~1.5	0.04~0.06	170	0.37	180	7.08	DC12V	15W	C Ø4mm
■	EA-B101LS1-C/C3	0.08~1.5	0.07~1.30	0.008~0.15	280	200	1.0~1.7	0.04~0.07	1.0~1.5	0.04~0.06	170	0.37	180	7.08	DC12V	15W	
■	EA-B103L-C/C3	0.5~3.5	0.43~3.04	0.05~0.34	1000	700	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	170	0.37	180	7.08	DC12V	15W	
■	EA-B103LS1-C/C3	0.5~3.5	0.43~3.04	0.05~0.34	280	200	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	170	0.37	180	7.08	DC12V	15W	
Lever Start Type																	
■	EA-BN203L/C6	0.2~3.5	0.17~3.04	0.02~0.34	1000	700	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	205	8.07	DC24V/32V	25W	B HEX 6.35mm
■	EA-BN203LS1/C6	0.2~3.5	0.17~3.04	0.02~0.34	500	350	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	205	8.07	DC24V/32V	25W	
■	EA-BN203LS2/C6	0.2~3.5	0.17~3.04	0.02~0.34	370	260	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	205	8.07	DC24V/32V	25W	
■	EA-BN203LS3/C6	0.2~3.5	0.17~3.04	0.02~0.34	230	160	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	205	8.07	DC24V/32V	25W	
Lever Start Type																	
■	EA-BN207L/C6	0.5~7.0	0.43~6.08	0.05~0.69	1000	700	1.4~2.6	0.06~0.10	1.4~2.3	0.06~0.09	400	0.88	205	8.07	DC24V/32V	25W	C Ø4mm
■	EA-BN210L/C6	1.0~10	0.87~8.68	0.10~0.98	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	400	0.88	205	8.07	DC24V/32V	25W	
Push To Start Type																	
■	EA-BN210P/CE6	2.0~10	1.74~8.68	0.20~0.98	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	310	0.68	232	9.13	DC24V/32V	25W	

CE=W/CE Certificate & ESD Housing. Example: For Tool W/ESD Model no. is EA-BNXXX/CE6

EA-BN203 - 210 screwdrivers come standard with bit type B HEX 6.35mm, EA-B101 - 103 screwdrivers come with bit type C Ø4mm

Note1: Must be ordered with a power supply from page 11. Note2: Color chart is used to match up screwdrivers with power supplies.



PREMIUM BRUSHLESS DC SCREWDRIVERS

Low To Medium Torque With Full Auto Shut Off Clutches

■ Torque Range 0.15~4.90 N.m

Feature

- Innovative Brushless motor design eliminates carbon dust and reduces noise and vibration resulting in lower maintenance.
- Brushless motors allow us to build smaller screwdrivers that weigh less, run smoother, reach higher torques, and feel ergonomically comfortable to the user.
- Can be used assemble Watch, Laptop, Digital Camera, DVD player, Cell Phone, High tech Products.
- Precise repeatable torque.
- Highly mobile, easy to operate, high efficiency brushless motor reduces fatigue over long working hours.
- Speed control can be adjusted via power supply.
- Optional ESD safe housings are available.



Lever Start Type
EA-BN412L/C6 ~ EA-BN419L/C6

Push to Start Type
EA-BN412P/C6 ~ EA-BN419P/C6



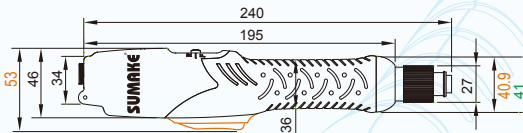
Lever Start Type
EA-BN630L/C6 ~ EA-BN650L/C6

Push to Start Type
EA-BN630P/C6 ~ EA-BN650P/C6

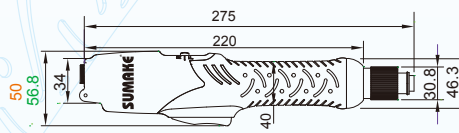


Accessory: Pistol Grip
(For EA-BN630~BN650)
EAA-PG3 (For Push)
EAA-LG3 (For Lever)
EAA-PG3/S (ESD)
EAA-LG3/S (ESD)

External Dimension unit:mm

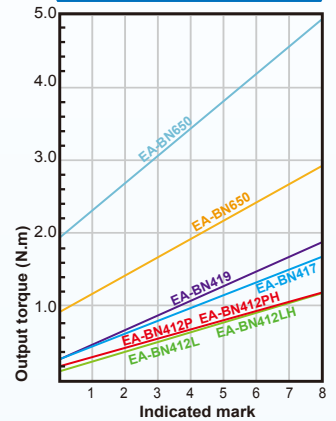


Lever Start Type
EA-BN412L/C6 - EA-BN419L/C6



Push to Start Type
EA-BN630L/C6 - EA-BN650L/C6
Push to Start Type
EA-BN630P/C6 - EA-BN650P/C6

Torque Curve



Specifications :

Power Supply	Model No.	Torque Range ±3%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type	
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (ø)		Tapping Screw (ø)		g	lb	mm	in				
							mm	in	mm	in								
Lever Start Type																		
■	EA-BN412L/C6	1.5~12	1.3~10.42	0.15~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	A HEX 5mm	
■	EA-BN412LH/C6	1.5~12	1.3~10.42	0.15~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	B HEX 6.35mm	
■	EA-BN417LH/C6	3.0~17	2.6~14.76	0.29~1.67	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	C Ø4mm	
■	EA-BN419L/C6	3.0~19	2.6~16.49	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	540	1.19	240	9.45	DC24V/32V	55W	D Ø5mm	
■	EA-BN630L/C6	10~30	8.68~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	A HEX 5mm	
■	EA-BN630LH/C6	10~30	8.68~26.04	0.98~2.94	2000	1500	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	B HEX 6.35mm	
■	EA-BN650L/C6	20~50	17.36~43.4	1.96~4.90	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	800	1.77	275	10.82	DC40V	120W	B HEX 6.35mm	
Push to Start Type																		
■	EA-BN412P/C6	2.0~12	1.74~10.42	0.20~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	A HEX 5mm	
■	EA-BN412PH/C6	2.0~12	1.74~10.42	0.20~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	B HEX 6.35mm	
■	EA-BN417PH/C6	3.0~17	2.6~14.76	0.29~1.67	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	240	9.45	DC24V/32V	55W	C Ø4mm	
■	EA-BN419P/C6	3.0~19	2.6~16.49	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	540	1.19	240	9.45	DC24V/32V	55W	D Ø5mm	
■	EA-BN630P/C6	10~30	8.68~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	A HEX 5mm	
■	EA-BN630PH/C6	10~30	8.68~26.04	0.98~2.94	2000	1500	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	275	10.82	DC40V	90W	B HEX 6.35mm	
■	EA-BN650P/C6	20~50	17.36~43.4	1.96~4.90	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	800	1.77	275	10.82	DC40V	120W	B HEX 6.35mm	

CE=W/CE Certificate & ESD Housing. Example: For Tool W/ESD Model no. is EA-BNXXX/CE6

Screwdrivers come standard with bit type B HEX 6.35mm

Note 1: Must be ordered with a power supply from page 11.

Note 2: Color chart is used to match up screwdrivers with power supplies.



PREMIUM BRUSHLESS DC PISTOL SCREWDRIVERS

Medium Torque With Full Auto Shut Off Clutches

■ Torque Range 0.3~7 N.m



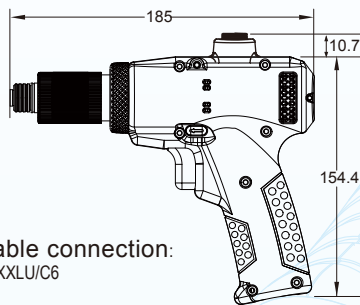
Top Cable Connection
EA-BTK620LU/C6 - EA-BTK670LU/C6



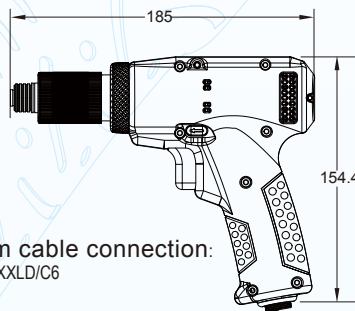
Bottom Cable Connection
EA-BTK620LD/C6 - EA-BTK670LD/C6



EPAA50006-B6P-6N
(For BTK620~BTK670)

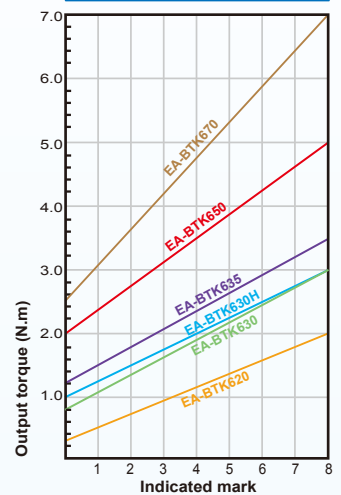


Top cable connection:
EA-BTK6XXLU/C6



Bottom cable connection:
EA-BTK6XXLD/C6

Torque Curve



Specifications :

Power Supply	Model No.	Torque Range±3%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type	
		kgf-cm	lbf-in	N.m	Hi	Lo	Machine Screw(ø)		Tapping Screw(ø)		g	lb	mm	in				
Top Cable Connection																		
■	EA-BTK620LU/C6	3.06~20.4	2.6~17.7	0.3~2.0	1200	900	2.3~3.5	0.09~0.13	2.3~3.0	0.09~0.12	700	1.54	185	7.28	DC40V	50W	A HEX 5mm B HEX 6.35mm	
■	EA-BTK630LU/C6	8.16~30.6	7.1~26.5	0.8~3.0	1200	900	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK630LHU/C6	10.2~30.6	8.9~26.5	1~3.0	3300	2480	2.0~4.0	0.08~0.15	2.0~3.5	0.08~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK635LHU/C6	12.24~35.7	10.68~32.04	1.2~3.5	1700	1280	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK650LU/C6	20.4~51	17.7~44.2	2~5	700	530	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK650LHU/C6	20.4~51	17.7~44.2	2~5	1000	750	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W		
■	EA-BTK670LU/C6	25.5~71.3	22.1~61.9	2.5~7	850	640	5.0~6.0	0.19~0.23	≤5	≤0.20	700	1.54	185	7.28	DC40V	50W		
Bottom Cable Connection																		
■	EA-BTK620LD/C6	3.06~20.4	2.6~17.7	0.3~2.0	1200	900	2.3~3.5	0.09~0.13	2.3~3.0	0.09~0.12	700	1.54	185	7.28	DC40V	50W	A HEX 5mm B HEX 6.35mm	
■	EA-BTK630LD/C6	8.16~30.6	7.1~26.5	0.8~3.0	1200	900	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK630LHD/C6	10.2~30.6	8.9~26.5	1~3.0	3300	2480	2.0~4.0	0.08~0.15	2.0~3.5	0.08~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK635LHD/C6	12.24~35.7	10.68~32.04	1.2~3.5	1700	1280	2.6~4.0	0.10~0.15	2.6~3.5	0.10~0.13	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK650LD/C6	20.4~51	17.7~44.2	2~5	700	530	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W		
NEW	EA-BTK650LHD/C6	20.4~51	17.7~44.2	2~5	1000	750	4.0~5.0	0.15~0.19	≤4	≤0.16	700	1.54	185	7.28	DC40V	50W		
■	EA-BTK670LD/C6	25.5~71.3	22.1~61.9	2.5~7	850	640	5.0~6.0	0.19~0.23	≤5	≤0.20	700	1.54	185	7.28	DC40V	50W		

Screwdrivers come standard with bit type B HEX 6.35mm

CE=W/CE Certificate & ESD Housing. Example: For Tool W/ESD Model no. is EA-BNXXX/CE6, EA-BTKXXX/CE6

Note 1: Must be ordered with a power supply from page 11. Note 2: Color chart is used to match up screwdrivers with power supplies.

PREMIUM BRUSHLESS DC PISTOL SCREWDRIVERS

High Torque Full Auto Shut Off Clutches

■ Torque Range 2~18 N.m



Lever Start Type

Top cable connection

EA-BTN960LU/C6 ~EA-BTN9180LU/C6

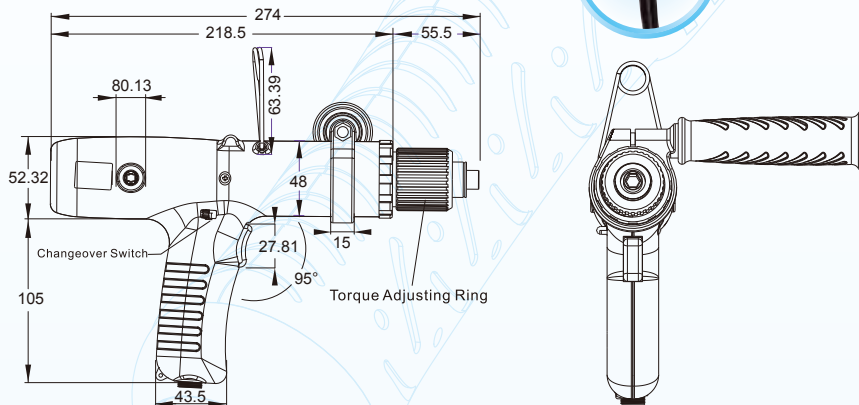
Bottom cable connection

EA-BTN960LD/C6 ~ EA-BTN9180LD/C6

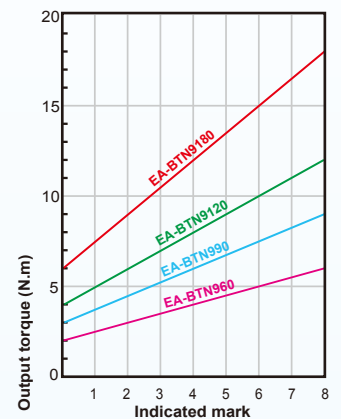
To order with a 3/8" Square Anvil place a "W" at the end of Model No.

Example:
EA-BTN960LDW/C6

External Dimension unit:mm



Torque Curve



Specifications :

Power Supply	Model No.	Torque Range ±5%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (ø)		Tapping Screw (ø)		g	lb	mm	in			
Top Cable Connection																	
■	EA-BTN960LU/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	274x157	10.8x6.2	DC40V	100W	B HEX 6.35mm
■	EA-BTN990LU/C6	30.6~91.8	26.55~79.66	3~9	800	600	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	274x157	10.8x6.2	DC40V	120W	
■	EA-BTN9120LU/C6	40.8~122.4	35.4~106.21	4~12	550	410	≤6	≤0.23	≤5	≤0.20	1250	2.75	274x157	10.8x6.2	DC40V	120W	
■	EA-BTN9180LU/C6	61.2~183.6	53.11~159.32	6~18	350	260	≤8	≤0.31	≤6	≤0.23	1250	2.75	274x157	10.8x6.2	DC40V	150W	
Bottom Cable Connection																	
■	EA-BTN960LD/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	274x157	10.8x6.2	DC40V	100W	B HEX 6.35mm
■	EA-BTN990LD/C6	30.6~91.8	26.55~79.66	3~9	800	600	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	274x157	10.8x6.2	DC40V	120W	
■	EA-BTN9120LD/C6	40.8~122.4	35.4~106.21	4~12	550	410	≤6	≤0.23	≤5	≤0.20	1250	2.75	274x157	10.8x6.2	DC40V	120W	
■	EA-BTN9180LD/C6	61.2~183.6	53.11~159.32	6~18	350	260	≤8	≤0.31	≤6	≤0.23	1250	2.75	274x157	10.8x6.2	DC40V	150W	

Screwdrivers come standard with bit type B HEX 6.35mm

Note 1: Must be ordered with a power supply from page 11.

Note 2: Color chart is used to match up screwdrivers with power supplies.



PREMIUM BRUSHLESS DC ELECTRIC SCREWDRIVER

High Torque Full Auto Shut Off

■ Torque Range 2~25 N.m



Push to Start Type

EA-BK760P/C6 ~
EA-BK7120P/C6

Lever Start Type

EA-BK760L/C6 ~
EA-BK7120L/C6



Push to Start Type

EA-BAK960P/C6 ~
EA-BAK9250P/C6

Lever Start Type

EA-BAK960L/C6 ~
EA-BAK9250L/C6



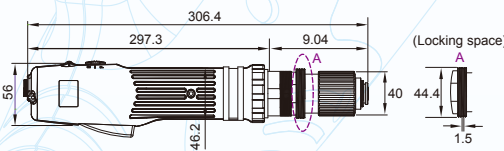
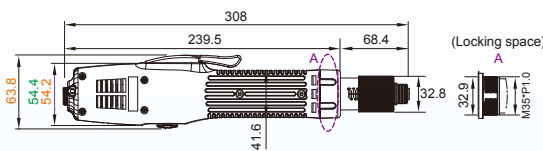
Auxiliary Handle

EPC15001
(For EA-BK760~BK7120)

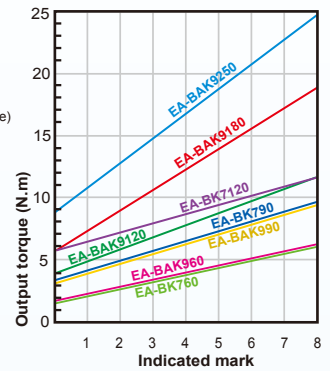
EPCF85002
(for EA-BAK960 ~ EA-BAK9250)

To order with a 3/8" Square Anvil place a "W" at the end of Model No.
Example:
EA-BK7120LW/C6

External Dimension unit:mm



Torque Curve



Lever Start Type
EA-BK760L/C6 ~ EA-BK7120L/C6

Push to Start Type
EA-BK760P/C6 ~ EA-BK7120P/C6

Lever Start Type
EA-BAK960L/C6 ~ EA-BAK9250L/C6

Push to Start Type
EA-BAK960P/C6 ~ EA-BAK9250P/C6

Specifications :

Power Supply	Model No.	Torque Range ±5%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight	Overall Length	Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw(ø)		Tapping Screw(ø)						
							mm	in	mm	in	g	lb	mm	in	
Lever Start Type															
■	EA-BK760L/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤4	≤0.16	1030	2.27	308	12.1	DC40V 150W
■	EA-BK760LH/C6	20.4~61.2	17.7~53.11	2~6	2000	1500	4.0~5.0	0.16~0.20	≤4	≤0.16	1030	2.27	308	12.1	DC40V 150W
■	EA-BK790L/C6	30.6~91.8	26.55~79.66	3~9	1000	750	≤6	≤0.23	≤5	≤0.19	1030	2.27	308	12.1	DC40V 150W
■	EA-BK7120L/C6	61.2~122.4	53.11~106.21	6~12	880	660	≤8	≤0.32	≤6	≤0.23	1030	2.27	308	12.1	DC40V 150W
■	EA-BAK960L/C6	20.4~61.2	17.7~53.11	2~6	1200	900	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	315	12.4	DC40V 100W
■	EA-BAK990L/C6	30.6~91.8	26.55~79.66	3~9	900	680	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	315	12.4	DC40V 120W
■	EA-BAK9120L/C6	40.8~122.4	35.4~106.21	4~12	600	450	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V 120W
■	EA-BAK9120LH/C6	40.8~122.4	35.4~106.21	4~12	880	660	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9180L/C6	61.2~183.6	53.11~159.32	6~18	370	280	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9180LH/C6	61.2~183.6	53.11~159.32	6~18	600	450	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9250L/C6	81.6~255	70.81~221.28	8~25	370	280	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V 150W
■	EA-BAK9250LH/C6	81.6~255	70.81~221.28	8~25	550	410	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V 150W
Push to Start Type															
■	EA-BK760P/C6	20.4~61.2	17.7~53.11	2~6	1000	750	4.0~5.0	0.16~0.20	≤4	≤0.16	1030	2.27	308	12.1	DC40V 150W
■	EA-BK760PH/C6	20.4~61.2	17.7~53.11	2~6	2000	1500	4.0~5.0	0.16~0.20	≤4	≤0.16	1030	2.27	308	12.1	DC40V 150W
■	EA-BK790P/C6	30.6~91.8	26.55~79.66	3~9	1000	750	≤6	≤0.23	≤5	≤0.19	1030	2.27	308	12.1	DC40V 150W
■	EA-BK7120P/C6	61.2~122.4	53.11~106.21	6~12	880	660	≤8	≤0.32	≤6	≤0.23	1030	2.27	308	12.1	DC40V 150W
■	EA-BAK960P/C6	20.4~61.2	17.7~53.11	2~6	1200	900	4.0~5.0	0.16~0.20	≤4	≤0.16	1250	2.75	315	12.4	DC40V 100W
■	EA-BAK990P/C6	30.6~91.8	26.55~79.66	3~9	900	680	5.0~6.0	0.20~0.23	≤4.5	≤0.18	1250	2.75	315	12.4	DC40V 120W
■	EA-BAK9120P/C6	40.8~122.4	35.4~106.21	4~12	600	450	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V 120W
■	EA-BAK9120PH/C6	40.8~122.4	35.4~106.21	4~12	880	660	≤8	≤0.32	≤6	≤0.23	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9180P/C6	61.2~183.6	53.11~159.32	6~18	370	280	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9180PH/C6	61.2~183.6	53.11~159.32	6~18	600	450	≤10	≤0.4	≤8	≤0.32	1250	2.75	315	12.4	DC40V 150W
■	EA-BAK9250P/C6	81.6~255	70.81~221.28	8~25	370	280	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V 150W
■	EA-BAK9250PH/C6	81.6~255	70.81~221.28	8~25	550	410	≤10	≤0.4	≤8	≤0.32	2200	4.84	380	15.1	DC40V 150W

Screwdrivers come standard with bit type B HEX 6.35mm

CE=W/CE Certificate & ESD Housing. Example: For Tool W/ESD Model no. is EA-BNXXX/CE6, EA-BAKXXX/CE6.

Note: High torque screwdriver should be ordered with an Auxiliary Torque Arm.(see page.21)

Note: These drivers must be ordered with a power supply on page 11.Except: EAA-MCTDS5

PREMIUM BRUSHLESS DC ELECTRIC SCREWDRIVERS

High Torque Full Auto Shut Off

■ Torque Range 2~50 N.m



Angle-Lever Start Type

EA-BAKA950L/C6 ~
EA-BAKA9220L/C6

★With 3/8" Sq. Anvil
place "w" at the end of model No.
Example: EA-BAKA950LW/C6



Push to Start Type

EA-BAN9350P/C6

Lever Start Type

EA-BAN9350L/C6



Power Torque
50Nm!

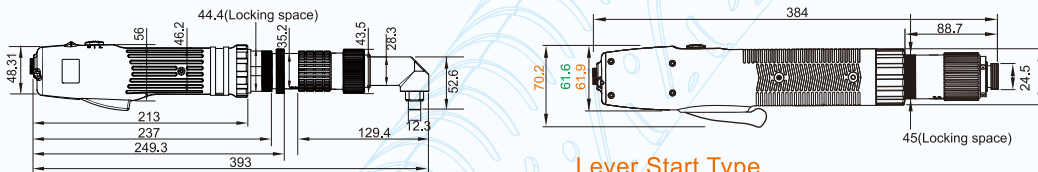
Push to Start Type

EA-BAN9350PW/C6 w/3/8" Sq. Anvil
EA-BAN9500PW/C6 w/1/2" Sq. Anvil

Lever Start Type

EA-BAN9350LW/C6 w/3/8" Sq. Anvil
EA-BAN9500LW/C6 w/1/2" Sq. Anvil

External Dimension unit:mm



Lever Start Type

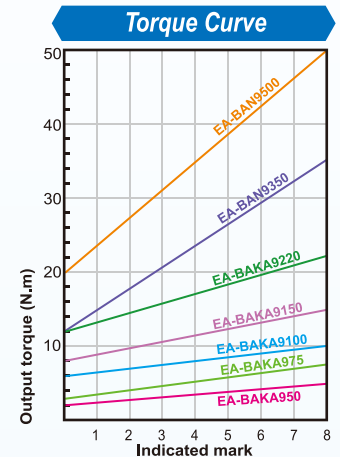
EA-BAKA950L/C6 ~ EA-BAKA9220L/C6

Lever Start Type

EA-BAN9350L/C6 ~ EA-BAN9500LW/C6

Push to Start Type

EA-BAN9350P/C6 ~ EA-BAN9500PW/C6



Specifications :

Power Supply	Model No.	Torque Range ±5%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw(ø)		Tapping Screw(ø)		g	lb	mm	in			
Angle -Lever Start Type																	
■	EA-BAKA950L/C6	20.4~51	17.7~44.25	2~5	1200	900	≤5	≤0.20	≤4	≤0.16	2500	5.5	393	15.4	DC40V	100W	B HEX 6.35mm W 3/8" Square
■	EA-BAKA975L/C6	30.6~76.5	26.55~66.37	3~7.5	900	680	≤6	≤0.23	≤4.5	≤0.18	2500	5.5	393	15.4	DC40V	120W	
■	EA-BAKA9100L/C6	61.2~102	53.1~88.5	6~10	600	450	≤8	≤0.31	≤6	≤0.23	2500	5.5	393	15.4	DC40V	120W	
■	EA-BAKA9100LH/C6	61.2~102	53.1~88.5	6~10	880	660	≤8	≤0.31	≤6	≤0.23	2500	5.5	393	15.4	DC40V	150W	
■	EA-BAKA9150L/C6	81.6~153	70.8~132.75	8~15	370	280	≤10	≤0.39	≤8	≤0.31	2500	5.5	393	15.4	DC40V	150W	
■	EA-BAKA9150LH/C6	81.6~153	70.8~132.75	8~15	600	450	≤10	≤0.39	≤8	≤0.31	2500	5.5	393	15.4	DC40V	150W	
■	EA-BAKA9220L/C6	122.4~224.4	106.2~194.7	12~22	370	280	≤10	≤0.39	≤8	≤0.31	2500	5.5	393	15.4	DC40V	150W	
Lever Start Type																	
■	EA-BAN9350L/C6	122.4~357	106.21~309.8	12~35	350	260	≤10	≤0.39	≤8	≤0.31	2300	5.06	384	15.1	DC40V	150W	
■	EA-BAN9350LW/C6	122.4~357	106.21~309.8	12~35	350	260	-	-	-	-	2300	5.06	384	15.1	DC40V	150W	W:3/8" square
■	EA-BAN9500LW/C6	204~510	177~442.56	20~50	200	150	-	-	-	-	2300	5.06	384	15.1	DC40V	150W	W:1/2" square
Push to Start Type																	
■	EA-BAN9350P/C6	122.4~357	106.21~309.8	12~35	350	260	≤10	≤0.39	≤8	≤0.31	2300	5.06	384	15.1	DC40V	150W	B HEX 6.35mm
■	EA-BAN9350PW/C6	122.4~357	106.21~309.8	12~35	350	260	-	-	-	-	2300	5.06	384	15.1	DC40V	150W	W:3/8" square
■	EA-BAN9500PW/C6	204~510	177~442.56	20~50	200	150	-	-	-	-	2300	5.06	384	15.1	DC40V	150W	W:1/2" square

Screwdrivers come standard with bit type B HEX 6.35mm

CE=W/CE Certificate & ESD Housing. e.g. For Tool W/ESD Model no. is EA-BAKAXXX/CE6, EA-BANXXX/CE6

Note: High torque screwdriver should be ordered with an Auxiliary Torque Arm.(see page.21)

Note: These drivers must be ordered with a power supply on page 11.



PREMIUM BRUSHLESS TORQUE SCREWDRIVERS

Made For Automation Assembly Applications

Full auto shut-off screwdrivers built to be easily integrated into automated assembly applications.

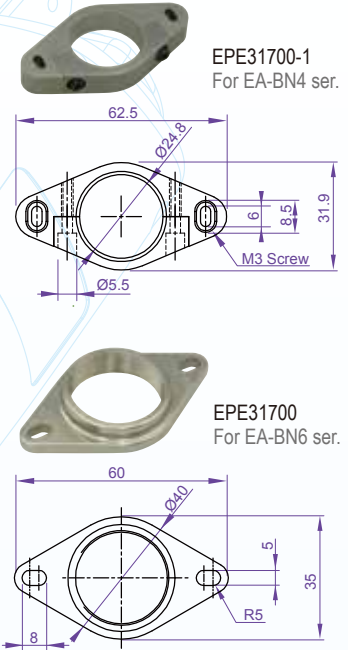


Features:

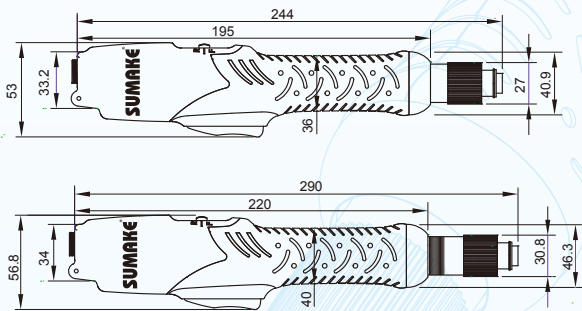
- Torque Ranges: 0.15 ~ 4.9 Nm.
- Screwdrivers built to work with our Flange Mounting Plates.
- Use with or signal controls (EAA-SCBSN6) to turn screwdriver on/off.



Flange mounting plate
Material: Stainless Steel



External Dimension unit:mm



Lever Start Type

- EA-BN412L/C6F
- EA-BN412LH/C6F
- EA-BN417LH/C6F
- EA-BN419L/C6F

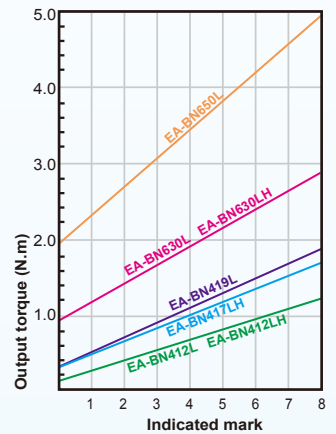
Lever Start Type

- EA-BN630L/C6F
- EA-BN630LH/C6F
- EA-BN650L/C6F



EAA-SCBSN6

Torque Curve



★ Note:

- 1) Use Flange Mounting Plate to attach screwdriver to automated system.
- 2) Use signal control unit to integrate screwdriver's operation with a PLC.

Specifications :

Power Supply	Model No.	Torque Range ±3%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (ø)		Tapping Screw (ø)		g	lb	mm	in			
Lever Start Type																	
■	EA-BN412L/C6F	1.5~12	1.3~10.42	0.15~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	244	9.61	DC24V/32V	55W	A HEX 5mm
■	EA-BN412LH/C6F	1.5~12	1.3~10.42	0.15~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	244	9.61	DC24V/32V	55W	B HEX 6.35mm
■	EA-BN417LH/C6F	3.0~17	2.6~14.76	0.29~1.67	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	540	1.19	244	9.61	DC24V/32V	55W	C Ø4mm
■	EA-BN419L/C6F	3.0~19	2.6~16.49	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	540	1.19	244	9.61	DC24V/32V	55W	D Ø5mm
■	EA-BN630L/C6F	10~30	8.68~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	290	11.42	DC40V	90W	B HEX 6.35mm Double End
■	EA-BN630LH/C6F	10~30	8.68~26.04	0.98~2.94	2000	1500	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	800	1.77	290	11.42	DC40V	90W	
■	EA-BN650L/C6F	20~50	17.36~43.4	1.96~4.90	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	800	1.77	290	11.42	DC40V	120W	

Screwdrivers come standard with bit type B HEX 6.35mm

CE=W/CE Certificate & ESD Housing. Example: For Tool W/ESD Model no. is EA-BNXXX/CE6F

Note 1: Must be ordered with a power supply from page 11. Note 2: Color chart is used to match up screwdrivers with power supplies.

PREMIUM BRUSHLESS DC ELECTRIC SCREWDRIVER

Vacuum Pickup With Full Auto Shut-off Clutch

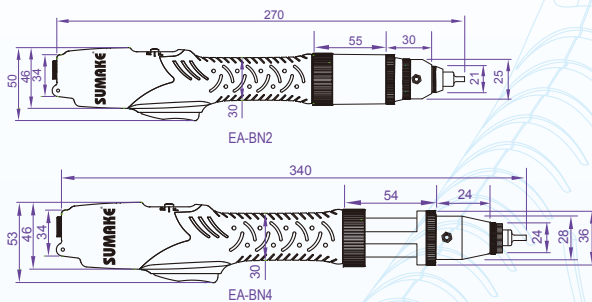
Features:

- Works with EA-BN203 ~ EA-BN419, EA-BD2 ~ EA-BD4 brushless series screwdriver.
- Ideal for non-magnetic screws for example plastic, aluminum, and stainless steel screws.
- Match Screw size to vacuum pick-up adaptor.
- Works on screw head diameters between 3.2 ~ 7.5 mm.

Quick Installed:



External Dimension unit:mm

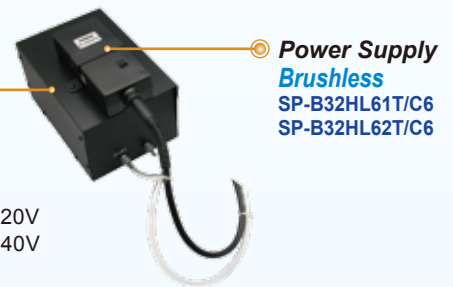


Suction Head Sizes:

Suction Head Model (d2)	Nosepiece	Suitable Model	Bit Type
		 	B HEX 6.35
			C Ø4mm
		 	B HEX 6.35
			C Ø4mm
			D Ø5mm

- ★ Bits standard : B type HEX 6.35mm
- ★ Option : C type Ø4mm - EA-BN203L-C/C6 ;
D type Ø5mm - EA-BN412L-D/C6

Vacuum Pump
EAP-200A/C 110-120V
EAP-200E/C 220-240V



Nosepiece Sizes:

nosepiece	Code	Part No.	d1Ø	d2Ø	DØ	H	Bit PxdxL	Part No.			unit: mm	
								Ø4	Ø5	HEX 6.35		
	EA-BN2, EA-BD2											
	1	EPP11032-7	2.2	3.2	4.2	1.3	00X1.7X60	PH001760E4	PH001760E5	PH001760B1		
	2	EPP11032-8	2.7	4.2	5.2	1.3	0X2.0X60	PH02060E4	PH02060E5	PH02060B1		
	3	EPP11032-9	3.2	5.0	6.0	1.3	1X2.5X60	PH12560E4	PH12560E5	PH12560B1		
	EA-BN4, EA-BN4 H, EA-BD4, EA-BD4 H											
	1	EPP11032-15	3.5	5.5	6.5	2	Ø3X75L	PH13075E4	PH13080E5	PH03075B1		
2	EPP11032-17	4.5	6.5	7.5	2	Ø4X75L	PH1475E4	PH1475E5	PH14075B1			
3	EPP11032-18	5.5	7.5	8.5	2	Ø5X75L	PH1575E5	PH25080E5	PH25075B1			

To Order:

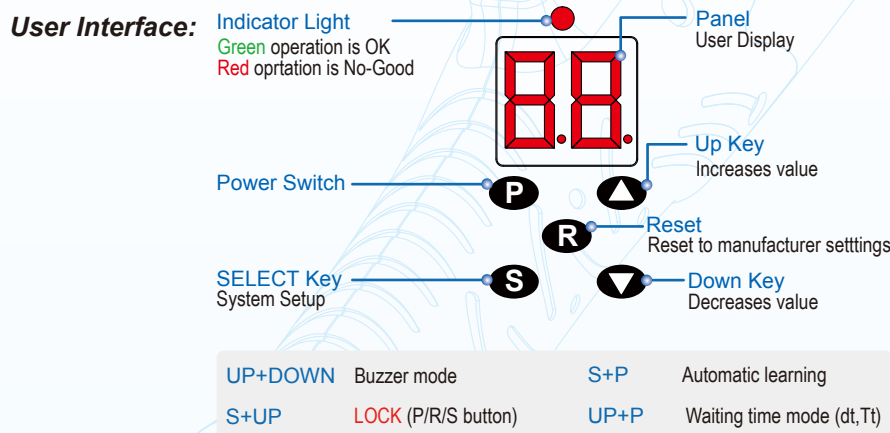
- 1) Determine Screwdriver (pages 1, 2, 10).
- 2) Determine Nosepiece by screw sizes.
- 3) Determine Suction Head by screwdriver size and nosepiece size.
- 4) Order all parts Screwdriver, Suction Head, Nosepiece, Power Supply, and Vacuum Pump.

PREMIUM BRUSHLESS COUNTER DC Full Auto Electric Screwdriver

Feature

- Innovative Brushless motor design eliminates carbon dust and produces less vibration and noise which results in overall lower maintenance costs.
- Torque ranges from 0.02 ~ 4.9 Nm.
- Compact LED counter display and control unit: easy to setup and operate, provides the same functionality as our traditional power supply counter units
- User sets up the counter according to his/her specific requirements then leaves system in automatic mode to inspect and report on the precision of fastening the screws.
- Suitable for production lines, this counter effectively counts, controls, and reports back on the fastening operation; an additional subunit can be provided that allows external control/reporting via a PLC interface.
- Automatic learning can be used to assist the user in setting up the time ranges used to identify good and bad fastening times.
- Two-color housing, ergonomic design, easy to grip.
- Torque Accuracy $\pm 3\%$

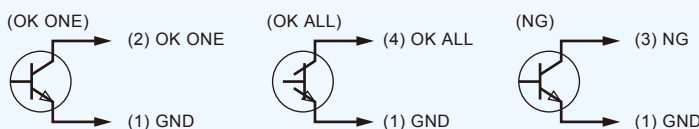
Can be ordered with an ESD (Electrostatic discharge) housing with a grounded bit unit for circuit board assembly.



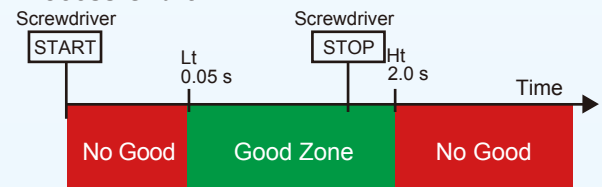
Specifications:

Function	Definition
1) Slow Start Function (For EA-BD2, EA-BD4)	Set to on or off
2) Slow Start Time Range (For EA-BD2, EA-BD4)	0 - 9.9 seconds
3) Slow Start Speed Setting (For EA-BD2, EA-BD4)	30 - 100% of screwdriver RPM
4) Count Function	Sets count up or count down
5) Count Range	1 - 99
6) Screw Time Window Min Acceptable Time	0.00 - 9.90 sec (0.01 increments)
7) Screw Time Window Max Acceptable Time	0.0 - 9.9 secs (0.1 increments)
8) Disable Screwdriver on no-good signal	Turns screwdriver off on bad torque signal
9) Reverse screw action	Determines counting action when a screw is reversed
10) Batch Jobs	1 - 5 jobs can be setup
11) Keypad Locked	Keypad can be locked so end user can not change settings

Output signal (open collector): OK ONE, OK ALL, NG



Process Chart:





BRUSHLESS WITH BUILT-IN SCREW COUNTER

DC Full Auto Electric Screwdriver

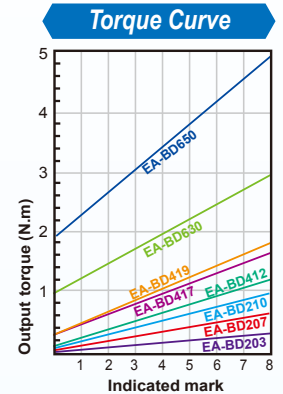
■ Torque Range 0.02~4.9 N.m



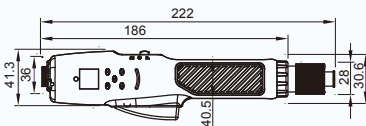
Lever Start Type
EA-BD203L/C6 ~ EA-BD210L/C6
Push to Start Type
EA-BD210P/C6

Lever Start Type
EA-BD412L/C6 ~ EA-BD419L/C6
Push to Start Type
EA-BD412P/C6 ~ EA-BD419P/C6

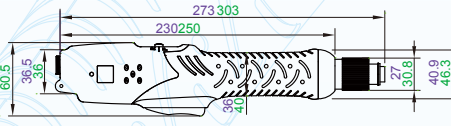
Lever Start Type
EA-BD630L/C6 ~ EA-BD650L/C6
Push to Start Type
EA-BD630P/C6 ~ EA-BD650P/C6



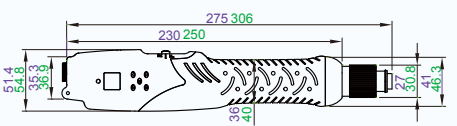
External Dimension unit:mm



Lever Start Type
EA-BD203L/C6 ~ EA-BD210L/C6



Lever Start Type
EA-BD412L/C6~EA-BD419L/C6
EA-BD630L/C6~EA-BD650L/C6



Push to Start Type
EA-BD412P/C6~EA-BD419P/C6
EA-BD630P/C6~EA-BD650P/C6

Specifications :

Power Supply	Model No.	Torque Range ±3%			Unloaded Speed ±10% (r.p.m.)		Available Screw				Net Weight		Overall Length		Power Source	Power Consumption	Bit Type
		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (ø)		Tapping Screw (ø)		g	lb	mm	in			
Lever Start Type																	
■	EA-BD203L/C6	0.2~3.5	0.17~3.04	0.02~0.34	1000	700	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	400	0.88	222	8.74	DC24V/32V	25W	B HEX 6.35mm C Ø4mm
■	EA-BD203LS1/C6	0.2~3.5	0.17~3.04	0.02~0.34	500	350	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	300	0.66	222	8.74	DC24V/32V	25W	
■	EA-BD207L/C6	0.5~7	0.43~6.08	0.05~0.69	1000	700	1.4~2.6	0.06~0.10	1.4~2.3	0.06~0.09	400	0.88	222	8.74	DC24V/32V	25W	
■	EA-BD210L/C6	1.0~10	0.87~8.68	0.10~0.98	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	400	0.88	222	8.74	DC24V/32V	25W	A HEX 5mm
■	EA-BD412L/C6	1.5~12	1.32~10.56	0.15~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	600	1.32	273	10.75	DC24V/32V	55W	
■	EA-BD412LH/C6	1.5~12	1.32~10.56	0.15~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	600	1.32	273	10.75	DC32V	55W	B HEX 6.35mm
■	EA-BD417LH/C6	3.0~17	2.64~14.96	0.29~1.67	2000	1400	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	600	1.32	273	10.75	DC32V	55W	C Ø4mm
■	EA-BD419L/C6	3.0~19	2.64~16.72	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	600	1.32	273	10.75	DC24V/32V	55W	D Ø5mm
■	EA-BD630L/C6	10~30	8.86~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	840	1.84	303	11.9	DC40V	90W	A HEX 5mm
■	EA-BD630LH/C6	10~30	8.86~26.04	0.98~2.94	2000	1500	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	840	1.84	303	11.9	DC40V	90W	B HEX 6.35mm
■	EA-BD650L/C6	20~50	17.36~43.4	1.96~4.9	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	840	1.84	303	11.9	DC40V	120W	B HEX 6.35mm
Push to Start Type																	
■	EA-BD210P/C6	2.0~10	1.74~8.68	0.20~0.98	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	400	0.88	222	8.74	DC24V/32V	25W	A HEX 5mm
■	EA-BD412P/C6	2.0~12	1.74~10.56	0.20~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	600	1.32	275	10.82	DC24V/32V	55W	
■	EA-BD412PH/C6	2.0~12	1.74~10.56	0.20~1.18	2000	1400	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	600	1.32	275	10.82	DC24V/32V	55W	B HEX 6.35mm
■	EA-BD417PH/C6	3.0~17	2.64~14.96	0.29~1.67	2000	1400	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	600	1.32	275	10.82	DC24V/32V	55W	C Ø4mm
■	EA-BD419P/C6	3.0~19	2.64~16.72	0.29~1.86	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	600	1.32	275	10.82	DC24V/32V	55W	D Ø5mm
■	EA-BD630P/C6	10~30	8.86~26.04	0.98~2.94	1000	750	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	840	1.84	306	12.5	DC40V	90W	A HEX 5mm
■	EA-BD630PH/C6	10~30	8.86~26.04	0.98~2.94	2000	1500	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	840	1.84	306	12.5	DC40V	90W	B HEX 6.35mm
■	EA-BD650P/C6	20~50	17.36~43.4	1.96~4.9	1000	750	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	840	1.84	306	12.5	DC40V	120W	B HEX 6.35mm














Screwdrivers come standard with bit type B HEX 6.35mm

Note 1: Must be ordered with a power supply from page 11.

Note 2: Color chart is used to match up screwdrivers with power supplies.

BRUSHLESS POWER SUPPLY TABLE

Code	Model	Operating vol. (AC)	Output vol. (DC)	Output Capacity	Dimension (LxWxH) (mm)	Weight (Kgs)	Approval	N° Pin	Recommend Model
Power Supply									
1	 SP-B12HL30T/C3	100V-240V	9V;12V	Low/Hi Max 2.5A	100x50x30	0.14	ETL, CE, RoHS		
2	 SP-B32HL61T/C6	100V-240V	24V;32V	Low/Hi Max 3A	145x60x35	0.25	ETL, CE, RoHS		
3	 SP-B32HL62T/C6	100V-240V	24V;32V	Low/Hi Max 1.8A	200x80x66	0.46	ETL, CE, RoHS		
4	 SP-B40HL501T/C6 HI / LO Speed Switch	100V-240V	30V;40V	Low/Hi Max 5A	213x133x68	2.15	ETL, CE, RoHS		
5	 SP-B40HL801T/C6 HI / LO Speed Switch	115V-230V	30V;40V	Low/Hi Max 9A	213x133x68	1.94	ETL, CE, RoHS		
Power Supply Integrate with Screw Counter									
6	 SP-BC32HL101T/C6 (V3.0)	100V-240V	24V;32V	Low/Hi 1.875A	201x130x100	2	CE		
7	 SP-BC40HL501T/C6 (V3.0)	100V-240V	24V; 32V;40V	Low/Hi 5.5A	247x130x100	2.4	ETL, CE, RoHS		
8	 SP-BC40HL801T/C6 (V3.0)	115V-230V	24V; 32V;40V	Low/Hi Max 9A	247x130x100	2.4	ETL, CE, RoHS		
Signal Controller								For more details, pls refer to P.23	
11	 EAA-SCBSN6	-	-	-	110x92x33	0.2	Must order with the power supply		
Slow Start									
12	 EAA-SSBN6 (Slow Start)	-	-	-	85x55x35	0.13	Must order with the power supply		

Page	Recommend Model	Page	Recommend Model	Page	Recommend Model	Page	Recommend Model
P1	 EA-B1	P2	 EA-BN4H	P4	 EA-BTN9	P10	 EA-BD2 / EA-BD4
	 EA-BN2	P3	 EA-BN6	P5	 EA-BK7, EA-BAK9		 EA-BD4 H
P2	 EA-BN4		 EA-BTK6	P6	 EA-BAN9		 EA-BD6
			 EA-BTK6H				

Note: Power supplies come with power cable and must be matched with a screwdriver on pages 1 - 10.

BRUSHLESS POWER SUPPLY Integrated With Screw Counting

PLC Signal Input /Output function for control screwdriver:

External inputs : Forward/Reverse/Disable/Confirm/Sensor/Clear

External outputs : OK/NG/OK ALL



Model No.	SP-BC32HL101T/C6 (V3.0)	SP-BC40HL501T/C6 (V3.0)	SP-BC40HL801T/C6 (V3.0)
Suitable Model (High speed models are available)	EA-BN203~EA-BN419	EA-BN203~EA-BN650 EA-BTK620~EA-BTK650	EA-BK760~EA-BAK9250 EA-BTN960~EA-BAN9500
Input Voltage	AC 100-240V 50/60HZ	AC 100-240V 50/60HZ	115V/50HZ, 230V/60HZ
Output Voltage	DC 32V; 24V	DC 40V; 32V; 24V	DC 40V; 32V; 24V
Output Watt	60W	220W	360W
Count		1-99	
Count method		Count-up/Count-down	
Work with Sensor		ON / OFF	
GATE Sensor		ON (2 Sensor) / OFF (1 Sensor)	
Slow-start time adjustable		0.1~9.9 seconds	
Slow-start speed adjustable		LO: 100%, L1-L9 Rated Speed 35-85%	
Running Time limit-LO		0.0-9.9 seconds	
Running Time limit-HI		0.0-9.9 seconds	
NG alarm		On / Off / FF / EF with LED and buzzer	
OK alarm		On / Off / FF / EF with LED and buzzer	
Auto ZERO		ON/OFF	
External inputs		Forward / Reverse / Disable / Confirm / Sensor / Clear	
External outputs		OK / NG / OK ALL	
Screwdriver Control		SPEED:HI / LO : SLOW START	
Outside Dimensions	200 x 130x 100(mm)		247 x 130 x 100(mm)

Specifications:

Function	Definition
1) Slow Start Function	Set to on or off
2) Slow Start Time Range	0 - 9.9 seconds
3) Slow Start Speed Setting	30 - 100% of screwdriver RPM
4) Count Function	Sets count up or count down
5) Count Range	1 - 99
6) Screw Time Window Min Acceptable Time	0.00 - 9.90 sec (0.01 increments)
7) Screw Time Window Max Acceptable Time	0.0 - 9.9 secs (0.1 increments)
8) Disable Screwdriver on no-good signal	Turns screwdriver off on bad torque signal
9) Reverse screw action	Determines counting action when a screw is reversed
10) Batch Jobs	1 - 5 jobs can be setup
11) Keypad Locked	Keypad can be locked so end user can not change settings

Input/Outputs:

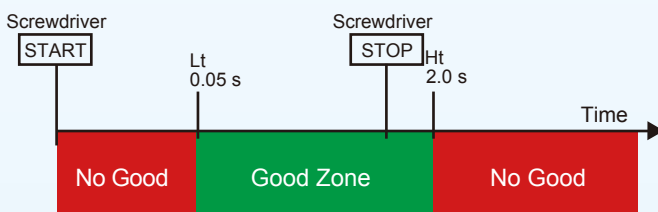
Inputs (Dry Contacts):

Remotely Start Screwdriver in Forward
Remotely Start Screwdriver in Reverse
Remotely Enable/Disable Screwdriver

Outputs (Relay):

Screwdriver Started
Screwdriver Running
Screwdriver's Clutch Engaged
Screwdriver in Reverse

Process Chart:



STANDARD DC SCREWDRIVERS w/ESD HOUSING

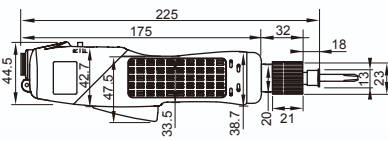
Low To Medium Torque Full Auto Shut Off

▣ Torque Range 0.02~4.41 N.m



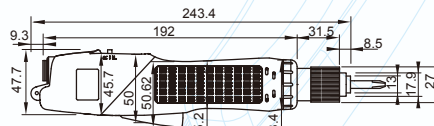
Lever Start Type

EA-203L ~ EA-210L
0.02 - 0.98 N.m



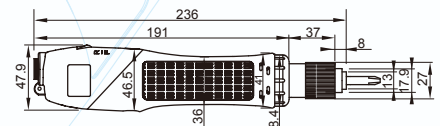
Lever Start Type

EA-408LH ~ EA-416L
0.10 - 1.57N.m



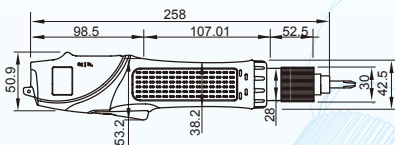
Push To Start Type

EA-408PH ~ EA-416P
0.20 - 1.57N.m



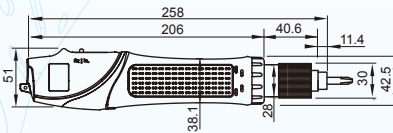
Lever Start Type

EA-610LH ~ EA-630L
0.20 - 2.94 N.m

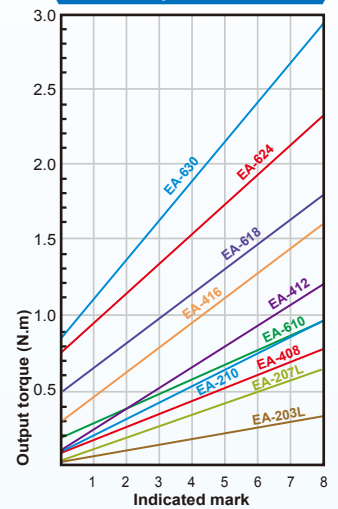


Push To Start Type

EA-610PH ~ EA-630P
0.20 - 2.94 N.m

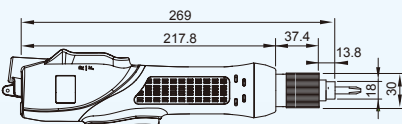


Torque Curve



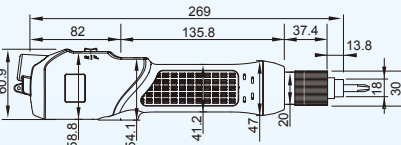
Lever Start Type

EA-712LH ~ EA-745L
0.49 - 4.41 N.m

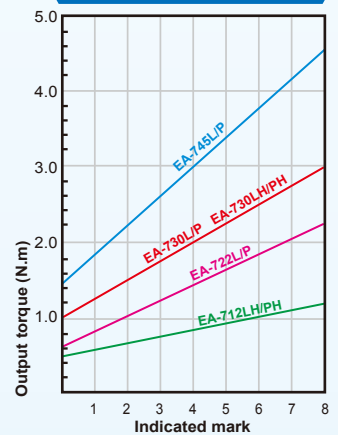


Push To Start Type

EA-712PH ~ EA-745P
0.49 - 4.41 N.m



Torque Curve





STANDARD DC SCREWDRIVERS w/ESD HOUSING

Low To Medium torque Full Auto Shut Off



Specifications : Model for 6 Pin:EA-203L6 ; Model for 7 Pin:EA-203L7

Power Supply		Model No.	Torque Range ±3%			Uploaded Speed ±10% (r.p.m.)		Available Screw				Weight		Length		Power Source	Power Consumption	Bit Type
6Pin	7Pin		kgf-cm	lbf-in	N.m	High	Low	Machine Screw (φ)		Tapping Screw (φ)		g	lb	mm	in			
Lever Start Type																		
●	●	EA-203L	0.2~3.5	0.17~3.04	0.02~0.34	900	700	1.0~2.3	0.04~0.09	1.0~2.0	0.04~0.08	270	0.59	222	8.7	DC24V/32V	25W	BHEX 6.35mm C04mm
●	●	EA-207L	0.5~7.0	0.43~6.08	0.05~0.69	1000	700	1.4~2.6	0.06~0.10	1.4~2.3	0.06~0.09	270	0.59	222	8.7	DC24V/32V	25W	
●	●	EA-210L	1.0~10	0.87~8.68	0.10~0.98	700	500	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	270	0.59	222	8.7	DC24V/32V	25W	
●	●	EA-408LH	1.0~8.0	0.87~6.94	0.10~0.78	2000	X	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	480	1.1	243	9.6	DC32V	48W	AHEX 5mm
●	●	EA-412L	1.0~12	0.87~10.42	0.10~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	480	1.1	243	9.6	DC24V/32V	48W	BHEX 6.35mm C04mm
●	●	EA-416L	3.0~16	2.6~13.89	0.29~1.57	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	480	1.1	243	9.6	DC24V/32V	48W	D05mm
●	●	EA-610LH	2.0~10	1.74~8.68	0.20~0.98	2000	X	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	600	1.32	258	10.16	DC32V	50W	AHEX 5mm BHEX 6.35mm D05mm
●	●	EA-618L	5.0~18	4.34~15.62	0.49~1.77	1000	700	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	600	1.32	258	10.16	DC24V/32V	50W	
●	●	EA-624L	7.0~24	6.08~20.83	0.69~2.35	750	520	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	600	1.32	258	10.16	DC24V/32V	50W	
●	●	EA-630L	8.0~30	6.94~26.04	0.78~2.94	530	350	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	600	1.32	258	10.16	DC24V/32V	50W	AHEX 5mm BHEX 6.35mm
●	●	EA-712LH	5~12	4.34~10.42	0.49~1.18	2000	X	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	700	1.54	269	10.6	DC32V	55W	
●	●	EA-722L	6~22	5.21~19.1	0.59~2.16	1000	700	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6	DC24V/32V	55W	
●	●	EA-730L	10~30	8.68~26.04	0.98~2.94	750	520	3.0~5.0	0.12~0.20	3.0~4.5	0.12~0.18	700	1.54	269	10.6	DC24V/32V	55W	AHEX 5mm BHEX 6.35mm
●	●	EA-730LH	10~30	8.68~26.04	0.98~2.94	1000	X	3.0~5.0	0.12~0.20	2.6~4.0	0.10~0.16	700	1.54	269	10.6	DC32V	55W	
●	●	EA-745L	15~45	13.02~39.06	1.47~4.41	530	350	4.0~6.0	0.16~0.24	4.0~5.0	0.16~0.20	700	1.54	269	10.6	DC24V/32V	55W	
Push to Start Type																		
●	●	EA-408PH	2.0~8.0	1.74~6.94	0.20~0.78	2000	X	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	480	1.1	236	9.29	DC32V	48W	AHEX 5mm
●	●	EA-412P	2.0~12	1.74~10.42	0.20~1.18	1000	700	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	480	1.1	236	9.29	DC24V/32V	48W	BHEX 6.35mm C04mm
●	●	EA-416P	3.0~16	2.6~13.89	0.29~1.57	1000	700	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	480	1.1	236	9.29	DC24V/32V	48W	D05mm
●	●	EA-610PH	2.0~10	1.74~8.68	0.20~0.98	2000	X	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	600	1.32	258	10.16	DC32V	50W	AHEX 5mm BHEX 6.35mm D05mm
●	●	EA-618P	5.0~18	4.34~15.62	0.49~1.77	1000	700	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	600	1.32	258	10.16	DC24V/32V	50W	
●	●	EA-624P	7.0~24	6.08~20.83	0.69~2.35	750	520	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	600	1.32	258	10.16	DC24V/32V	50W	
●	●	EA-630P	8.0~30	6.94~26.04	0.78~2.94	530	350	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	600	1.32	258	10.16	DC24V/32V	50W	AHEX 5mm BHEX 6.35mm
●	●	EA-712PH	5~12	4.34~10.42	0.49~1.18	2000	X	2.3~3.5	0.09~0.14	2.3~3.0	0.09~0.12	700	1.54	269	10.6	DC32V	55W	
●	●	EA-722P	6~22	5.21~19.1	0.59~2.16	1000	700	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6	DC24V/32V	55W	
●	●	EA-730P	10~30	8.68~26.04	0.98~2.94	750	520	3.0~5.0	0.12~0.20	3.0~4.5	0.12~0.18	700	1.54	269	10.6	DC24V/32V	55W	AHEX 5mm BHEX 6.35mm
●	●	EA-730PH	10~30	8.68~26.04	0.98~2.94	1000	X	3.0~5.0	0.12~0.20	2.6~4.0	0.10~0.16	700	1.54	269	10.6	DC32V	55W	
●	●	EA-745P	15~45	13.02~39.06	1.47~4.41	530	350	4.0~6.0	0.16~0.24	4.0~5.0	0.16~0.20	700	1.54	269	10.6	DC24V/32V	55W	

CE=W/CE Certificate & ESD Housing. e.g. screwdriver No. EA-203L/CE6

POWER SUPPLY

Power Supply : Including - Power cable and plug

Code	Model	Operating vol. (AC)	Output vol. (DC)	Output Capacity	Dimension L xW xH (mm)	Net Weight (kgs)	Approval	N° Pin	Recommend Model
Power Supply- Standard									
1		SP-32HL60T6	100V-240V	24V;32V	Low/Hi Max2A	145x60x35	0.25	RoHS	●
	SP-32HL60T/C6	ETL,RoHS,CE							
Power Supply Integrate with Screw Counter									
2		SP-C32HL60T/C7	100V-240V	20V;32V	Low/Hi Max2A	150x48x130	0.95	ETL, CE, RoHS	●



AC ELECTRIC SCREWDRIVER DIRECT PLUG IN

Brushless Low Torque Full Auto Shut-off

□ Torque Range 0.15~2.16 N.m



Lever Start Type

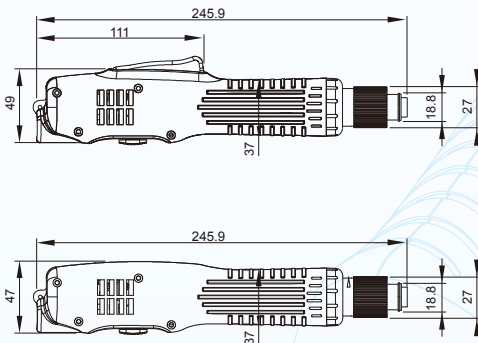
- 110V**
ED-B512L1
ED-B512LH1 High Speed
ED-B517LH1 High Speed
ED-B522L1
- 220V**
ED-B512L2
ED-B512LH2 High Speed
ED-B517LH2 High Speed
ED-B522L2



Push to Start Type

- 110V**
ED-B512P1
ED-B512PH1 High Speed
ED-B517PH1 High Speed
ED-B522P1
- 220V**
ED-B512P2
ED-B512PH2 High Speed
ED-B517PH2 High Speed
ED-B522P2

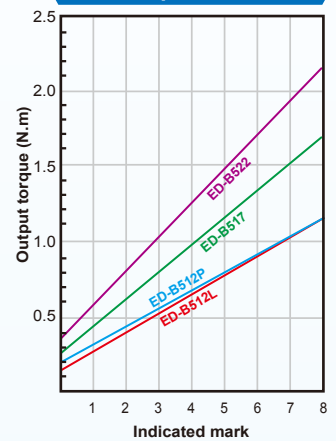
External Dimension unit:mm



Lever Start Type
 ED-B512L1 ~ ED-B522L2
 Length: 245mm (9.65") Weight: 470g (1.03 lb.)

Push to Start Type
 ED-B512P1 ~ ED-B522P2
 Length: 245mm (9.65") Weight: 470g (1.03 lb.)

Torque Curve



Specifications :

Model No.	Torque Range ±3%			Uploaded Speed ±10% (r.p.m.)	Available Screw				Net Weight		Overall Length		Power Source	Bit Type
	kgf-cm	lbf-in	N.m		Machine Screw (φ)		Tapping Screw (φ)		g	lb	mm	in		
Lever Start Type														
ED-B512L1/C	1.5~12	1.30~10.42	0.15~1.18	1200	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65	AC110~120V 50/60Hz	A HEX 5mm
ED-B512LH1/C	1.5~12	1.30~10.42	0.15~1.18	2000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B517LH1/C	3.0~17	2.56~14.76	0.29~1.67	2000	1.6~3.5	0.06~0.14	1.6~3.0	0.06~0.12	470	1.03	245	9.65		
ED-B522L1/C	4.0~22	3.47~19.10	0.39~2.16	1200	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	470	1.03	245	9.65	AC220~240V 50/60Hz	B HEX 6.35mm
ED-B512L2/C	1.5~12	1.30~10.42	0.15~1.18	1200	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B512LH2/C	1.5~12	1.30~10.42	0.15~1.18	2000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B517LH2/C	3.0~17	2.56~14.76	0.29~1.67	2000	1.6~3.5	0.06~0.14	1.6~3.0	0.06~0.12	470	1.03	245	9.65		
ED-B522L2/C	4.0~22	3.47~19.10	0.39~2.16	1200	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	470	1.03	245	9.65		
Push to Start Type														
ED-B512P1/C	2~12	1.74~10.42	0.2~1.18	1200	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65	AC110~120V 50/60Hz	C Ø4mm
ED-B512PH1/C	2~12	1.74~10.42	0.2~1.18	2000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B517PH1/C	3.0~17	2.56~14.76	0.29~1.67	2000	1.6~3.5	0.06~0.14	1.6~3.0	0.06~0.12	470	1.03	245	9.65		
ED-B522P1/C	4.0~22	3.47~19.10	0.39~2.16	1200	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	470	1.03	245	9.65	AC220~240V 50/60Hz	D Ø5mm
ED-B512P2/C	2~12	1.74~10.42	0.2~1.18	1200	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B512PH2/C	2~12	1.74~10.42	0.2~1.18	2000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	470	1.03	245	9.65		
ED-B517PH2/C	3.0~17	2.56~14.76	0.29~1.67	2000	1.6~3.5	0.06~0.14	1.6~3.0	0.06~0.12	470	1.03	245	9.65		
ED-B522P2/C	4.0~22	3.47~19.10	0.39~2.16	1200	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	470	1.03	245	9.65		

Screwdrivers come standard with bit type B HEX 6.35mm

Meet RoHS standard, AC110~120V with ETL certificate, and AC220~240V with CE certificate.

AC ELECTRIC SCREWDRIVER DIRECT PLUG IN

Brushless Medium Torque Full Auto Shut-off

■ Torque Range 0.49~4.9 N.m



Lever Start Type

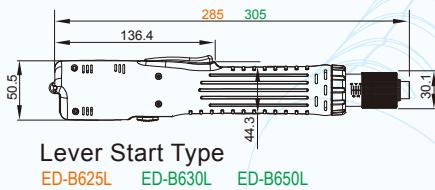
- 110V
ED-B625L1/C
ED-B625LH1/C High Speed
ED-B650L1/C
- 220V
ED-B630L2
ED-B630LH2 High Speed
ED-B650L2



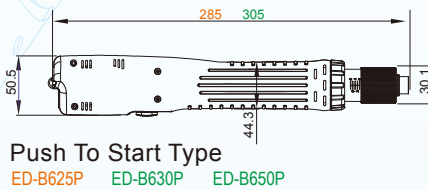
Push to Start Type

- 110V
ED-B625P1/C
ED-B625PH1/C High Speed
ED-B650P1/C
- 220V
ED-B630P2
ED-B630PH2 High Speed
ED-B650P2

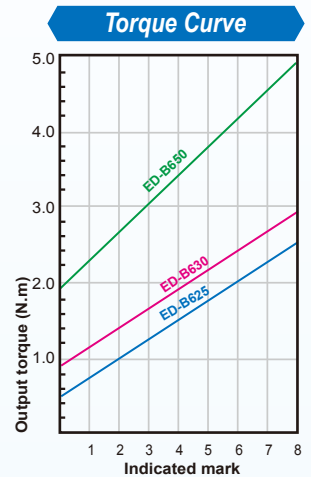
External Dimension unit:mm



Lever Start Type
 ED-B625L ED-B630L ED-B650L



Push To Start Type
 ED-B625P ED-B630P ED-B650P



Specifications :

Model No.	Torque Range $\pm 3\%$			Uploaded Speed $\pm 10\%$ (r.p.m.)	Available Screw				Net Weight		Overall Length		Power Source	Bit Type
					Machine Screw (φ)		Tapping Screw (φ)							
	kgf-cm	lbf-in	N.m		mm	in	mm	in	g	lb	mm	in		
Lever Start Type														
ED-B625L1/C	5~25	4.34~21.70	0.49~2.45	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	500	1.10	285	11.2	AC110~120V 50/60Hz	
ED-B625LH1/C	5~25	4.34~21.70	0.49~2.45	2000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	500	1.10	285	11.2		
ED-B650L1/C	20~50	17.36~43.40	1.96~4.9	1000	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	810	1.78	305	12.0		
ED-B630L2/C	10~30	8.68~26.04	0.98~2.94	1200	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	810	1.78	305	12.0	AC220~240V 50/60Hz	
ED-B630LH2/C	10~30	8.68~26.04	0.98~2.94	2000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	810	1.78	305	12.0		
ED-B650L2/C	20~50	17.36~43.40	1.96~4.9	1000	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	810	1.78	305	12.0		
Push to Start Type														
ED-B625P1/C	5~25	4.34~21.70	0.49~2.45	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	500	1.10	285	11.2	AC110~120V 50/60Hz	
ED-B625PH1/C	5~25	4.34~21.70	0.49~2.45	2000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	500	1.10	285	11.2		
ED-B650P1/C	20~50	17.36~43.40	1.96~4.9	1000	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	810	1.78	305	12.0		
ED-B630P2/C	10~30	8.68~26.04	0.98~2.94	1200	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	810	1.78	305	12.0	AC220~240V 50/60Hz	
ED-B630PH2/C	10~30	8.68~26.04	0.98~2.94	2000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	810	1.78	305	12.0		
ED-B650P2/C	20~50	17.36~43.40	1.96~4.9	1000	4.0~5.0	0.16~0.20	≤ 4	≤ 0.16	810	1.78	305	12.0		

Screwdrivers come standard with bit type B HEX 6.35mm

Meet RoHS standard, AC110~120V with ETL certificate, and AC220~240V with CE certificate.



AC ELECTRIC SCREWDRIVER DIRECT PLUG IN

Low Torque Full Auto Shut-off

■ Torque Range 0.15~1.86 N.m

Feature

- Lever or Push Start.
- Automatic shut-off clutch.
- Torque Accuracy $\pm 3\%$.
- Reverse/Forward
- Direct Plug-In.
- Excellent for general machine screws.
- RPM Range: 1000 ~ 2000
- Easy to operate.



Lever Start Type

110V
ED-212L1
ED-212LH1 High Speed
ED-219L1

220V
ED-212L2
ED-212LH2 High Speed
ED-219L2

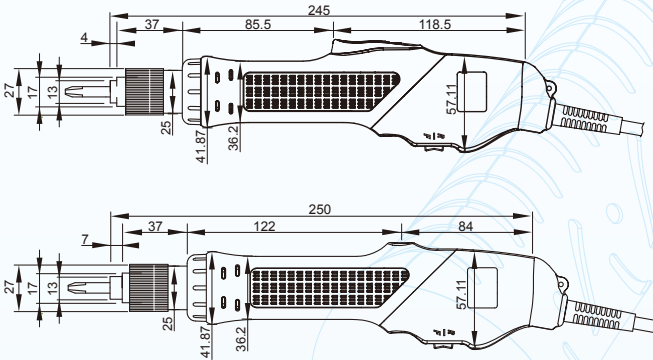


Push to Start Type

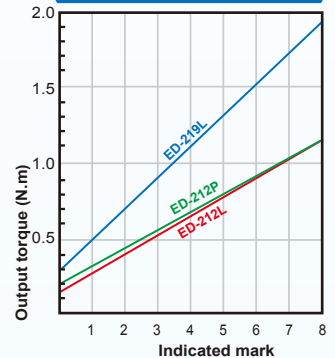
110V
ED-212P1
ED-212PH1 High Speed
ED-219P1

220V
ED-212P2
ED-212PH2 High Speed
ED-219P2

External Dimension unit:mm



Torque Curve



Specifications :

Model No.	Torque Range $\pm 3\%$			Uploaded Speed $\pm 10\%$ (r.p.m.)	Available Screw				Net Weight		overall Length		Power Source	Bit Type
	kgf-cm	lbf-in	N.m		Machine Screw (ϕ)		Tapping Screw (ϕ)		g	lb	mm	in		
					mm	in	mm	in						
Lever Start Type														
ED-212L1	1.5~12	1.30~10.42	0.15~1.18	1000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	550	1.21	245	9.65	AC110~120V 50/60Hz	A HEX 5mm
ED-212LH1	1.5~12	1.30~10.42	0.15~1.18	2000	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	550	1.21	245	9.65		
ED-219L1	3.0~19	2.60~16.49	0.29~1.86	1000	2.6~3.5	0.10~0.14	2.6~3.0	0.10~0.12	550	1.21	245	9.65		
ED-212L2	1.5~12	1.30~10.42	0.15~1.18	1000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	550	1.21	245	9.65	AC220~240V 50/60Hz	B HEX 6.35mm
ED-212LH2	1.5~12	1.30~10.42	0.15~1.18	2000	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	550	1.21	245	9.65		
ED-219L2	3.0~19	2.60~16.49	0.29~1.86	1000	2.6~3.5	0.10~0.14	2.6~3.0	0.10~0.12	550	1.21	245	9.65		
Push to Start Type														
ED-212P1	2.0~12	1.74~10.42	0.19~1.18	1000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	550	1.21	245	9.65	AC110~120V 50/60Hz	C Ø4mm
ED-212PH1	2.0~12	1.74~10.42	0.19~1.18	2000	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	550	1.21	245	9.65		
ED-219P1	3.0~19	2.60~16.49	0.29~1.86	1000	2.6~3.5	0.10~0.14	2.6~3.0	0.10~0.12	550	1.21	245	9.65		
ED-212P2	2.0~12	1.74~10.42	0.19~1.18	1000	1.6~3.0	0.06~0.12	1.6~2.6	0.06~0.10	550	1.21	245	9.65	AC220~240V 50/60Hz	D Ø5mm
ED-212PH2	2.0~12	1.74~10.42	0.19~1.18	2000	2.0~3.0	0.08~0.12	2.0~2.6	0.08~0.10	550	1.21	245	9.65		
ED-219P2	3.0~19	2.60~16.49	0.29~1.86	1000	2.6~3.5	0.10~0.14	2.6~3.0	0.10~0.12	550	1.21	245	9.65		

Screwdrivers come standard with bit type B HEX 6.35mm
 Meet RoHS standard, Without ETL/CE certificate.



AC ELECTRIC SCREWDRIVER DIRECT PLUG IN

Medium Torque Full Auto Shut-off

■ Torque Range 0.50~4.41 N.m

Feature

- Lever or Push Start.
- Automatic shut-off clutch.
- Torque Accuracy $\pm 3\%$.
- Reverse/Forward
- Direct Plug-In.
- Excellent for general machine screws.
- RPM Range: 500 ~ 1900
- Easy to operate.



Lever Start Type

110V

ED-617LH1 High Speed
ED-622L1
ED-630L1
ED-630LH1 High Speed
ED-645L1

220V

ED-617LH2 High Speed
ED-622L2
ED-630L2
ED-630LH2 High Speed
ED-645L2



Push to Start Type

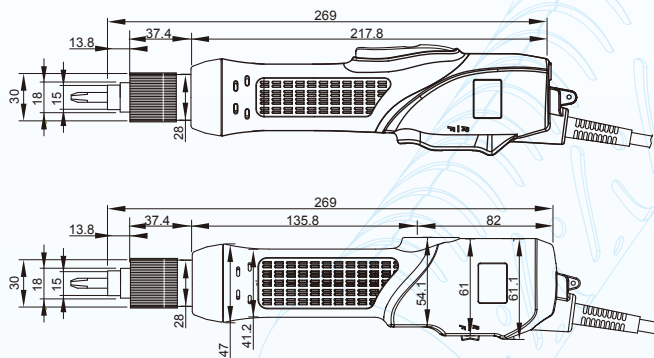
110V

ED-617PH1 High Speed
ED-622P1
ED-630P1
ED-630PH1 High Speed
ED-645P1

220V

ED-617PH2 High Speed
ED-622P2
ED-630P2
ED-630PH2 High Speed
ED-645P2

External Dimension unit:mm



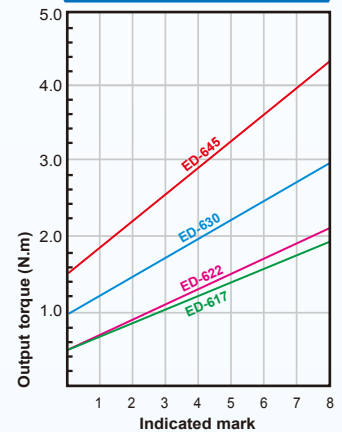
Lever Start Type

ED-617LH1 ~ ED-645L2

Push to Start Type

ED-617PH1 ~ ED-645P2

Torque Curve



Specifications :

Model No.	Torque Range $\pm 3\%$			Uploaded Speed $\pm 10\%$ (r.p.m.)	Available Screw				Net Weight		Overall Length		Power Source	Bit Type	
	kgf-cm	lbf-in	N.m		Machine Screw (φ)		Tapping Screw (φ)		g	lb	mm	in			
Lever Start Type															
ED-617LH1	5~17	4.34~14.76	0.50~1.67	1900	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	700	1.54	269	10.6	AC110~120V 50/60Hz	 	
ED-622L1	5~22	4.34~19.10	0.49~2.16	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6			
ED-630L1	10~30	8.68~26.04	0.98~2.94	700	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-630LH1	10~30	8.68~26.04	0.98~2.94	1000	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-645L1	15~45	13.02~39.06	1.47~4.41	500	4.0~6.0	0.16~0.24	4.0~5.0	0.12~0.20	700	1.54	269	10.6			
ED-617LH2	5~17	4.34~14.76	0.50~1.67	1900	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	700	1.54	269	10.6	AC220~240V 50/60Hz		
ED-622L2	5~22	4.34~19.10	0.49~2.16	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6			
ED-630L2	10~30	8.68~26.04	0.98~2.94	700	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-630LH2	10~30	8.68~26.04	0.98~2.94	1000	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-645L2	15~45	13.02~39.06	1.47~4.41	500	4.0~6.0	0.16~0.24	4.0~5.0	0.12~0.20	700	1.54	269	10.6			
Push to Start Type															
ED-617PH1	5~17	4.34~14.76	0.50~1.67	1900	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	700	1.54	269	10.6	AC110~120V 50/60Hz		
ED-622P1	5~22	4.34~19.10	0.49~2.16	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6			
ED-630P1	10~30	8.68~26.04	0.98~2.94	700	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-630PH1	10~30	8.68~26.04	0.98~2.94	1000	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-645P1	15~45	13.02~39.06	1.47~4.41	500	4.0~6.0	0.16~0.24	4.0~5.0	0.12~0.20	700	1.54	269	10.6			
ED-617PH2	5~17	4.34~14.76	0.50~1.67	1900	2.3~4.0	0.09~0.16	2.3~3.5	0.09~0.14	700	1.54	269	10.6	AC220~240V 50/60Hz		
ED-622P2	5~22	4.34~19.10	0.49~2.16	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	700	1.54	269	10.6			
ED-630P2	10~30	8.68~26.04	0.98~2.94	700	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-630PH2	10~30	8.68~26.04	0.98~2.94	1000	3.0~5.0	0.12~0.20	3.0~4.0	0.12~0.16	700	1.54	269	10.6			
ED-645P2	15~45	13.02~39.06	1.47~4.41	500	4.0~6.0	0.16~0.24	4.0~5.0	0.12~0.20	700	1.54	269	10.6			

Screwdrivers come standard with bit type B HEX 6.35mm

Meet RoHS standard, Optional CE certificate is available. (220V)



AC ELECTRIC SCREWDRIVER DIRECT PLUG IN

Low Torque Full Auto Shut-off

■ Torque Range 0.5~1.96 N.m



Lever Start Type

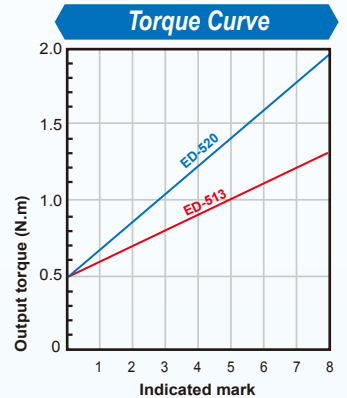
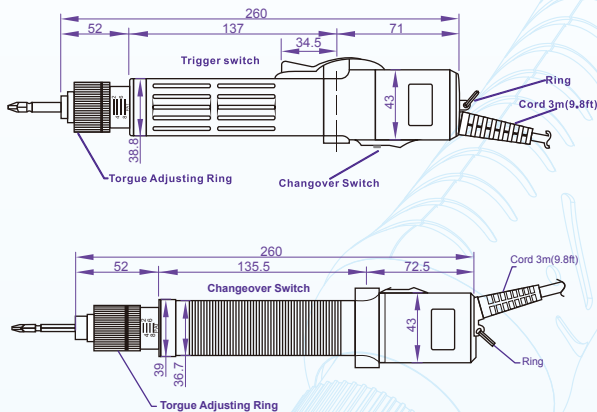
110V
ED-513LH1 High Speed
ED-520L1
 220V
ED-513LH2 High Speed
ED-520L2



Push to Start Type

110V
ED-513PH1 High Speed
ED-520P1
 220V
ED-513PH2 High Speed
ED-520P2

External Dimension unit:mm



Specifications :

Model No.	Torque Range $\pm 3\%$			Uploaded Speed $\pm 10\%$ (r.p.m.)	Available Screw				Net Weight		Overall Length		Power Source	Bit Type
					Machine Screw (\varnothing)		Tapping Screw (\varnothing)							
	kgf-cm	lbf-in	N.m		mm	in	mm	in	g	lb	mm	in		
Lever Start Type														
ED-513LH1	5~13	4.34~11.28	0.5~1.27	2000	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	620	1.36	260	10.24	AC110~120V 50/60Hz	A HEX 5mm B HEX 6.35mm D Ø5mm
ED-520L1	5~20	4.34~17.36	0.5~1.96	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	620	1.36	260	10.24		
ED-513LH2	5~13	4.34~11.28	0.5~1.27	2000	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	620	1.36	260	10.24	AC220~240V 50/60Hz	
ED-520L2	5~20	4.34~17.36	0.5~1.96	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	620	1.36	260	10.24		
Push to Start Type														
ED-513PH1	5~13	4.34~11.28	0.5~1.27	2000	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	620	1.36	260	10.24	AC110~120V 50/60Hz	
ED-520P1	5~20	4.34~17.36	0.5~1.96	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	620	1.36	260	10.24		
ED-513PH2	5~13	4.34~11.28	0.5~1.27	2000	2.0~3.5	0.08~0.14	2.0~3.0	0.08~0.12	620	1.36	260	10.24	AC220~240V 50/60Hz	
ED-520P2	5~20	4.34~17.36	0.5~1.96	1000	2.6~4.0	0.10~0.16	2.6~3.5	0.10~0.14	620	1.36	260	10.24		

Screwdrivers come standard with bit type B HEX 6.35mm

Meet RoHS standard, Without ETL/CE certificate.

Feature

- Absorbs all counterforce produced by the assembly tool, reducing operator fatigue.
- Allows operator to effortlessly position tool at any location and counteracts tool's weight.
- Easy to assemble.



EAA-AUXA-500
EAA-AUXA
EAA-AUX1A
EAA-AUX1A-B

90° adaptor

Allows the operator to adjust the angle of the tool in accordance with the workpiece.

With extra 90° adaptor

EAA-AUX-500
EAA-AUX
EAA-AUX7
EAA-AUX1
EAA-AUX1-B



Fasten the workpiece in vertical.



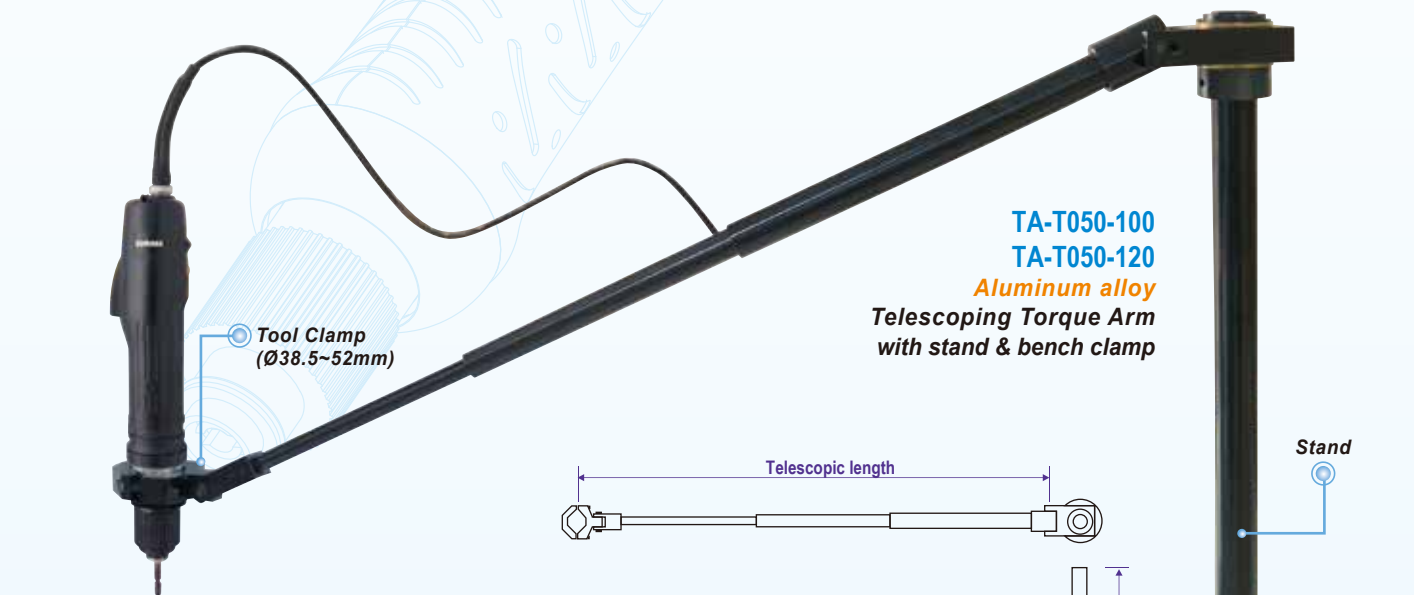
Specifications :

Model No.	EAA-AUXA-500 EAA-AUX-500	EAA-AUXA EAA-AUX	EAA-AUX7	EAA-AUX1A EAA-AUX1	EAA-AUX1A-B EAA-AUX1-B
Description	Suspension Arm	Suspension Arm	Suspension Arm	Suspension Arm	Suspension Arm
Reach (mm)	50 ~ 830	50 ~ 830	50 ~ 830	50 ~ 830	50 ~ 830
Capacity (kgs)	Max 4	Max 4	Max 4	Max 3	Max 3
Gas Spring (kgs)	35	25	25	20	20
Applicable Model	EN-BAN9350~ EN-BAN9500	EA-BAK960 ~ EA-BAK9250	EA-BK760~ EA-BK7120	EA-712 ~ EA-745 ED-617 ~ ED-645	EA-BN630 ~ EA-BN650 EA-BD630 ~ EA-BD650

TELESCOPIC TORQUE ARM

Features

- Eliminates torque reaction and removes weight of assembly tool from operator's arm and back.
- Easy to install on the workbench, wall, trolley or production line.
- Can be used with both air or electric torque tools.
- Best if used with a spring balancer (page 23).
- The arm collapses like a telescope providing smooth tool placement.
- Attachment clamp is free to move 360 degrees (see below pictures below).
- Standard tool balancer should be used to hang the tool while using this arm.
- Max torque capacity 50 Nm.
- Max reach is 120 cm; minimum reach is 43 cm.



Specifications :

Model No.	Max Torque (Nm)	Telescopic length Min~Max(cm)	Clamp Dia (mm)	Net Weight (kg)	Model No.	Max Torque (Nm)	Telescopic length Min~Max(cm)	Clamp Dia (mm)	Net Weight (kg)
TA-T050-100	50	43~100	38.5~52	4.65	TA-T050W-100	50	43~100	38.5~52	2.2
TA-T050-120	50	50~120	38.5~52	4.75	TA-T050W-120	50	50~120	38.5~52	2.3
TA-T050S-100	50	43~100	38.5~52	3.5	TA-T050C-100	50	43~100	38.5~52	3
TA-T050S-120	50	50~120	38.5~52	3.7	TA-T050C-120	50	50~120	38.5~52	3.2

Applicable Model: EA-BN412~EA-BN650, EA-BK760~EA-BK7120, EA-BAK960~EA-BAK9250, EA-BAN9350~EA-BAN9500, EA-BANK960~EA-BANK9500, EA-BD203~EA-BD650, EA-BTN960~EA-BTN9180, EA-BTNK960~EA-BTNK9180, ED-617~ED-645, ES-618~ES-645

SIGNAL CONTROLLER For Brushless Screwdrivers

Features

- Slow Start Time Adjustment (0 - 9.9 sec)
- Slow Start Speed Adjustment (30 - 100% RPM)
- Maximum Run Time Setting (0 - 9.9 sec)

Overview

The Signal Control connects between the screwdriver and the power supply. It allows the user to set up slow start functionality as well as I/O communication with the screwdriver.

Inputs (Dry Contacts):

Remotely Start Screwdriver in Forward
Remotely Start Screwdriver in Reverse
Remotely Enable/Disable Screwdriver

Outputs (Relay):

Screwdriver Started
Screwdriver Running
Screwdriver's Clutch Engaged
Screwdriver in Reverse

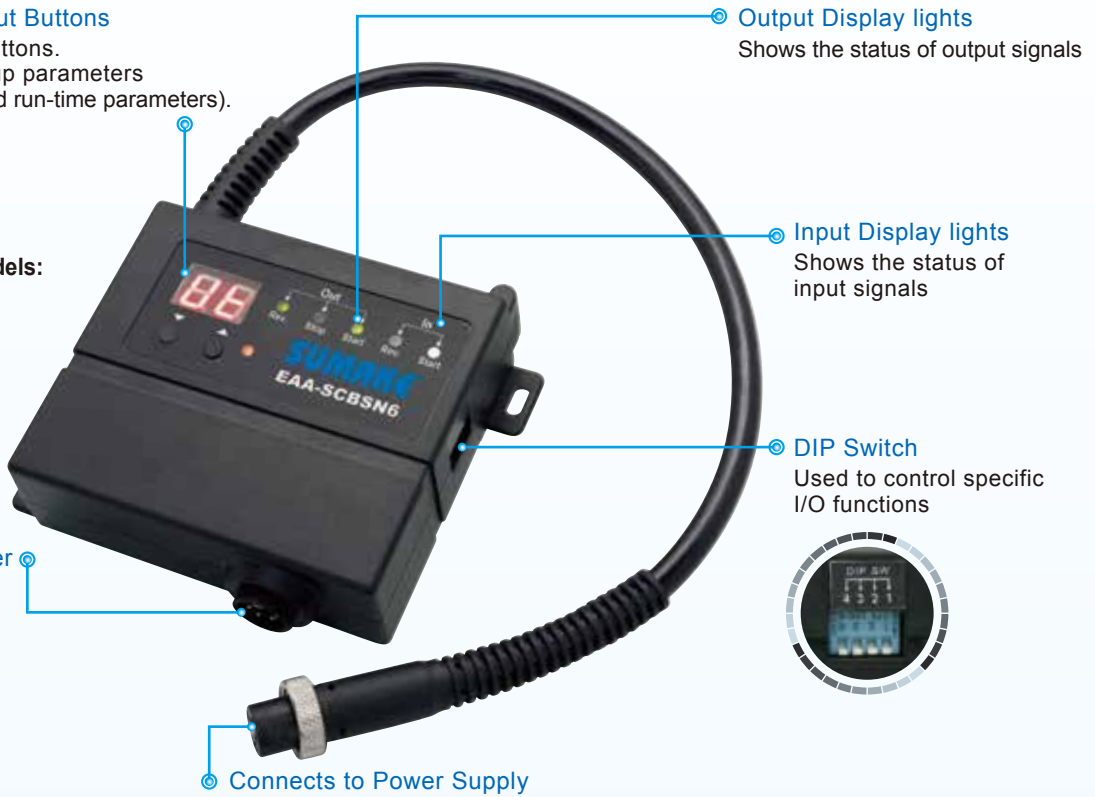
Output Display and Input Buttons

UP/DOWN input push buttons.
LED display used to setup parameters
(for example slow start and run-time parameters).

EAA-SCBSN6

Suitable Screwdriver Models:

EA-BN203 ~ 650
EA-BTK620 ~ 670
EA-BTN960 ~ 9180
EA-BK760 ~ 7120
EA-BAK960 ~ 9250
EA-BAKA950 ~ 9220
EA-BAN9350 ~ 9500



Connects to Screwdriver

Connects to Power Supply

SPRING BALANCER



SA-2201 (0.3-0.8kgs)
SA-2203 (0.6-1.5kgs)
SA-2203-1 (1.0-2.0kgs)
SA-2204 (1.5-3.0kgs)
SA-2207 (3.0-5.0kgs)
Spring Balancer



SA-2204A (0.8-2.0kgs)
SA-2204B (0.3-1.2kgs)
Spring Balancer

Model No.	Capacity (kg)	Cable Travel (M)	Rope		Rope Dia. (mm)	Net Weight (kg)	Packing: Pcs/Ctn/G.W./Cuff' (kgs)
			Sta.	Opt.			
SA-2201	0.3-0.8	1.4	Cable	Nylon	2.5	0.41	40Pcs/Ctn/19.8/1.7'
SA-2203	0.6-1.5	1.4	Cable	Nylon	2.5	0.46	40Pcs/Ctn/21.0/1.7'
SA-2203-1	1.0-2.0	1.4	Cable	Nylon	2.5	0.53	40Pcs/Ctn/21.0/1.7'
SA-2204	1.5-3.0	1.4	Cable	Nylon	2.5	0.55	40Pcs/Ctn/22.8/1.6'

Model No.	Capacity (kg)	Cable Travel (M)	Rope	Rope Dia. (mm)	Net Weight (kg)	Packing: Pcs/Ctn/G.W./Cuff' (kgs)
SA-2204A	0.8-2.0	1.4	Nylon	4	0.57	30Pcs/Ctn/19.5/1.7'
SA-2204B	0.3-1.2	1.4	Nylon	4	0.57	30Pcs/Ctn/18.0/1.7'
SA-2207	3.0-5.0	1.3	Cable	3.2	0.81	30Pcs/Ctn/24.0/1.7'

TORQUE METERS For Air / Electric Screwdrivers

Features

- Ideal for clutched torque screwdrivers.
- Comes with Torque Certification, AC Charger, Run Down Nut, and a case.
- User can set min and max test torque ranges and will be notified if torque reading falls outside of test range.
- USB 1.0 connector allows data output to computer. (TM-015A, TM-150A)
- Auto-zero option.
- Rechargeable Battery.
- Store up 800 readings.
- Available measurement units: lbs-in, kgF-cm, Nm.
- Works in both clockwise and counterclockwise.



TM-250A



TM-015A TM-150A
For Auto Shut-off



TM-S50
For Semi-Auto shut off
& Cushion Type Electric Screwdriver

Additional TM-1000 Features









- Full color LCD touch screen.
- Processes statistical calculations: CP, CPK, Sigma
- Torque graphing capabilities.
- Export data via USB or save to SD card.
- Automatic screen rotation to support Pistol Drivers.
- Provides the ability to quickly audit and verify a tool.
- Units: in.oz, in.lb, ft.lb, Nm, cNm, kgF.cm, gF.cm, kgF.m



TM-1000
For Auto-Shut off



Standard Joint Specifications :

Model No.							
	SJ-03A	SJ-15A	SJ-15AK	SJ-50A	SJ-150A	SJ-250A	SJ-50S
Measuring Range (N.m)	0.015 ~ 0.3	0.3 ~ 1.5	0.3 ~ 1.5	1.5 ~ 5.0	5.0 ~ 15.0	5.0 ~ 25.0	0.05 ~ 5.0
HEX size(mm) 	6	6	6.35	6.35	6.35	19	6.35
Applicable Models	TM-015A	TM-015A	TM-150A	TM-150A	TM-150A	TM-250A	TM-S50

Specifications :

Model No.	Measuring Range			Accuracy	Recharge Time	Power Supply	Continuous Operation At Full Charge	Battery Life	Dimension (mm) (WxDxH)	Net Weight (kg)	Special Charger	
	kgf-cm	lbf-in	N.m								Input	Output
TM-015A	0.15-15	0.15-13	0.015-1.5	±0.5%	8hrs	1.2V battery*5	About 30 hours	Rechargeable 300 times	123x230x65 230x125x65	1.8	AC 100V, 220-240V	DC 12V 500mA
TM-150A	1.5-150	1.5-130	0.15-15								AC 100V, 220-240V	DC 7.2V 120mA
TM-250A	3.0-250	3.0-217	0.3-25						160x210x45	2.0	AC 100V, 220-240V	DC 7.2V 120mA
TM-S50	0.5-50	0.44-44	0.05-5						123x230x65	1.9	AC 90-240V	

Model No.	Measuring Range			Input Drive (Female)	Accuracy	Dimension (mm) (WxDxH)	Net Weight (kg)	Housing Material	Overload (Displays at 110%+)	Included Accessories
	kgf-cm	lbf-in	N.m							
TM-1000	50-1000	45-885	5-100	1/2" Dr.	±0.5%	229 x 102 x 80	2.7	Aluminum	150% of full scale	Torque Measuring Adapter x1 SJ1000

SFR50/SF60 AUTOMATIC SCREW FEEDER

Features:

- Adjustable rail accomodates screw thread diameters from 1.0-5.0mm. A rail adjustment kit is included with the feeder to facilitate quick and easy setup.
- Adjustable vibration time, amplitude, and operation shut-off delay allows for optimal feed rates.
- Single rail accomodates all screw sizes.
- Max scew length: 19mm
- Compact and light weight.





Standard Accessories



SF60

Precision Screw Feeder

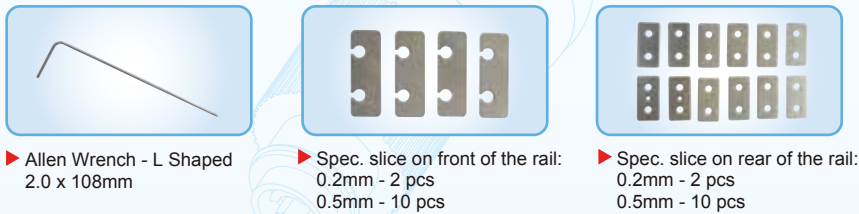
★ AC 100~240V / DC15V Cord Length: 1.9M

Power supply 	Model No.	Type of Plug	Model No.	Type of Plug	Model No.	Type of Plug
	EPK85100	USA 	EPK85100-1	EUR 	EPKFP-0815-1	UK 
					EPAA6005-U	

Features:

- Ideal for integration with automated screwing systems or vacuum pick-up screwdrivers.
- Adjustable rail fits screw size from M1.2 to M5.0, screw length ≤12.5mm and screw head ≤7mm.
- Made with Industrial Brushless Motors.
- Integrated screw counting and screw shortage warning systems.
- Patent design for screw feeding smoothly.









Standard Accessories:



SFR50

SFR50M (Manual Type)

★ Cord Length: 1.9M

Power supply 	Model No.	Type of Plug	Model No.	Type of Plug	Model No.	Type of Plug	Model No.	Type of Plug
	EPAA50002	USA 	EPAA50002-3	UK 	EPAA50002-6	INDIA 	EPAA50002-7	ISRAEL 
	EPAA50002-2	EUR 	EPAA50002-1	AUSTRALIA 	EPAA50002-13	JAPAN 		

Specifications :

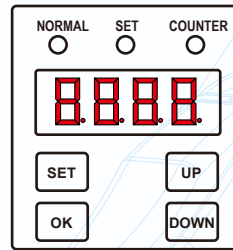
Model No.	Applicable Screw	Applicable Screw length	Switching Adaptor	Horizontal Delivery Speed	Power Source	Feeding	Scooping Chamber Capacity	Counter	Dimension L x W x H(mm)	Net Weight (Kg)
SF60	M1.0 ~ M5.0	Up to 19mm (under head)	DC 15V	46~60 pcs/min (0.76~1/sec)	AC 100~240V	Chamber blanking	200~220 cc	X	182 x 126 x 147	N.W. : Approx 2.17 (excluding switching adaptor)
SFR50	M1.2 ~ M5.0	Up to 10mm (under head)	DC 12 V	42~90 pcs/min (0.67~1.43/sec)	AC 100~240V	Chamber blanking	200~220 cc	○	182 x 124 x 150	3.1 (w/o adapter)
SFR50M	M1.2 ~ M5.0	Up to 10mm (under head)	DC 12 V	42~90 pcs/min (0.67~1.43/sec)	AC 100~240V	Chamber blanking	200~220 cc	○	182 x 124 x 150	3.1 (w/o adapter)

SFR20/SFR20M/SFR30 AUTOMATIC SCREW FEEDER

Features:

- Ideal for integration with automated screwing systems or vacuum pick-up screwdrivers.
- Made with Industrial Brushless Motors.
- Adjustable rail fits screw head sizes from 1.2 - 9.5 mm and screw lengths from 1 - 15 mm.
- Horizontal linear feeding system increases access to screw head.
- Integrated screw counting and screw shortage warning systems.
- PCB signal output allows full production line integration.

Ideal For Integrating with An Automated Screwdriving System

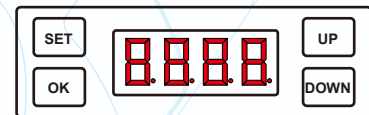


- **Function**
- SET : Set Function
- OK : Confirm
- UP : Input Value
- DOWN : Input Value

• **Horizontal liner feeding system**



SFR30

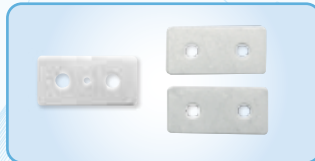


SFR20

Standard Accessories(SFR30):



- ▶ Allen Wrench -L Shaped 2.0 x 108mm











- ▶ Spec. slice on rear of the rail:
0.2mm - 1 pcs
0.5mm - 2 pcs



SFR20M
(Manual Type)

★ Cord Length: 1.9M



	Model No.	Type of Plug	Model No.	Type of Plug	Model No.	Type of Plug	Model No.	Type of Plug
	EPAA50002	USA 	EPAA50002-3	UK 	EPAA50002-6	INDIA 	EPAA50002-7	ISRAEL 
	EPAA50002-2	EUR 	EPAA50002-1	AUSTRALIA 	EPAA50002-13	JAPAN 		

Specification:





Model No.	Applicable Screw Dia. (mm)	Screw Head Dia.(mm)	Applicable Screw Length (mm)	Horizontal Delivery Speed	Scooping Chamber Capacity	Switching Adaptor	Power Source	Feeding	Dimension L x W x H (mm)	Net Weight (kg)
SFR20	M0.8(0.6)~M2.0	1.2~6.5	1.0~8	42~90 pcs/min (0.67~1.43 Sec)	100~120 cc	DC 12 V Switching Adaptor	AC 100~240V	Chamber blanking	159 x 82 x 117	1.5
SFR20M	M0.8 ~ M2.0	1.2~6.5	1.0~8	42~90 pcs/min (0.67~1.43 Sec)	100~120 cc	DC 12 V Switching Adaptor	AC 100~240V	Chamber blanking	159 x 82 x 117	1.5
SFR30	M0.8(0.6)~M3.0	1.2~9.5	1.0~15	46~50 pcs/min (1.2~1.3 Sec)	200~220 cc	DC 12 V Switching Adaptor	AC 100~240V	Chamber blanking	182 x 124 x 146	3.0

*Recommendation: Screw size is required to advice for checking the proper feeder purpose.

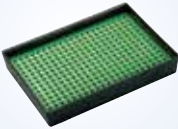
90 Degree Attachment

Outline	Model No.	Applicable Models
	EAA-AH1	EA-BN630L, EA-BN650L, EA-BD630L, EA-BD650L, EA-618L, EA-624L, EA-630L, EA-722L, EA-730L, EA-745L, ED-622L, ED-630L, ED-645L, ED-520L * For lever type screwdrivers only. * High speed screwdrivers are not recommended when using angle attachment.
	EAA-AH2	EA-BN412L, EA-BN419L, EA-412L, EA-416L, ED-212L, ED-219L * For lever type screwdrivers only. * High speed screwdrivers are not recommended when using angle attachment.




Pistol Grip:

Outline	Model No.	Applicable Models
	EAA-LG2	ED-513L, ED-520L
	EAA-PG1	ED-513P, ED-520P
	EAA-LG4 EAA-LG4/S(ESD)	EA-BN4(Lever start type)
	EAA-PG4 EAA-PG4/S(ESD)	EA-BN4(Push to start type)
	EAA-LG3 EAA-LG3/S(ESD)	EA-BN630L~EA-BN650L
	EAA-PG3 EAA-PG3/S(ESD)	EA-BN630P~EA-BN650P
	EAA-LG7/S(ESD)	EA-BK760L, EA-BK790L, EA-BK7120L(Lever start type)
	EAA-PG7/S(ESD)	EA-BK760P, EA-BK790P, EA-BK7120P(Push to start type)

Screw Setter :

Outline	Model No.	Applicable Models
	EAA-SD11	M1.7~2.0 Screw available
	EAA-SD12	M2.0~2.6 Screw available
	EAA-SD13	M3.0~4.0 Screw available









Torque Adjuster:

Outline	Model No.	Applicable Models
	EAA-TA1	EA-610 ~ EA-630 ED-513 ~ ED-520 EA-712 ~ EA-745 ED-617 ~ ED-645 EA-BN630 ~ EA-BN650 ES-618 ~ ES-645 EA-BD630 ~ EA-BD650
	EAA-TA3	EA-BN412 ~ EA-BN419 ED-212 ~ ED-219 EA-408 ~ EA-416 EA-BD412 ~ EA-BD419
	EAA-TA4	EA-203 ~ EA-210 EA-BN203 ~ EA-BN210



MAG-O-NETS

Feature:















- *The COLOUR MAG-O-NETS provide visible torque making system.
- *Increase productivity by easily locating fasteners.
- *Fits virtually any standard screwdriver bit.

	Specification:				Outline:				
	Parts No.	I.D.(mm)	O.D.(mm)	Length(mm)	Red	Yellow	Blue	Green	Orange
	AM4K (5pcs Set)	4	17.5	10.3					
	AM5K (5pcs Set)	5	17.5	10.3	X	X	X		X
	AM7	7	14	13		X	X	X	X

















Suspension Holster:

Outline	Model No.	Applicable Models
	EAA-HD1	EA-610~EA-645(with torque fixing sleeve); EA-712~EA-745(with torque fixing sleeve); ED-513~ED-520(with torque fixing sleeve); ED-617~ED-645(with torque fixing sleeve); ES-618~ES-645(with torque fixing sleeve)
	EAA-HD2	EA-610~EA-630 ; ED-212~ED-219(with torque fixing sleeve) ; EA-408~EA-416 (with torque fixing sleeve); EA-BN412~EA-BN419 (with torque fixing sleeve) ; EA-BN630~EA-BN650
	EAA-HD3	ED-617~ED-645; ED-513~ED-520; ES-618L~ES-645; EA-203~EA-210(with torque fixing sleeve); EA-712~EA-745, ED-B512~ED-B522
	EAA-HD4	EA-203~EA-416 ; ED-212~ED-219 ; ES-207~ES-645, EA-BN412~EA-BN419, ED-B512~ED-B522
	EAA-HD5	EA-BN203~EA-BN210 (or with torque fixing sleeve)
	EAA-HD6	EA-BN630~EA-BN650, EA-BK760~EA-BK7120, ES-B1803~ES-B1812, EW-B18200, ESM-B18160, ESS-B1805~ESS-B1812
	EAA-HD7	EA-BAK960~EA-BAK9250, EA-BTN960~EA-BTN9180, ES-B1815, ES-B1822

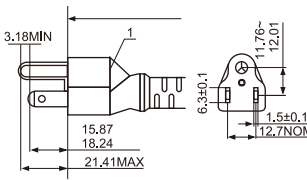
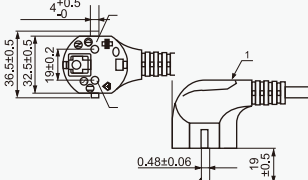
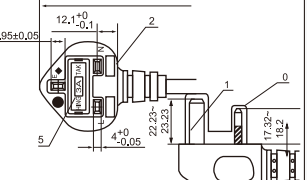
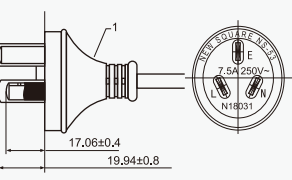
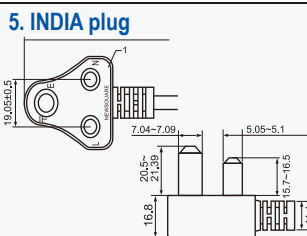
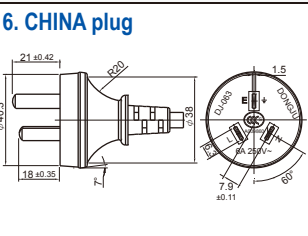
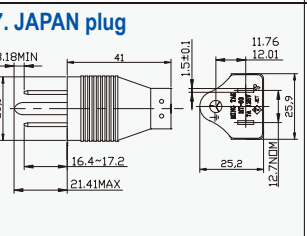
Torque Covers:

Outline	Model No.	Applicable Models	Outline	Model No.	Applicable Models
	EAA-TL1	EA-712-EA-748, ED-617-ED-645		EAA-TL7/E (ESD)	EA-BN630/E-EA-BN650/E EA-BD630/E-EA-BD650/E
	EAA-TL1/E (ESD)	EA-712/E-EA-748/E			
	EAA-TL2	ED-513-ED-520, EA-610-EA-630		EAA-TL8	EA-BN203L-EA-BN210L
	EAA-TL2/E (ESD)	EA-610/E-EA-630/E			
	EAA-TL3	EA-BD203L-EA-BD210L		EAA-TL8/E (ESD)	EA-BN203L/E-EA-BN210L/E
	EAA-TL4	EA-203L-EA-210L			
	EAA-TL3/E (ESD)	EA-BD203L/E-EA-BD210L/E		EAA-TL9	EA-B101L-EA-B103L
	EAA-TL4/E (ESD)	EA-203L/E-EA-210L/E			
	EAA-TL6	ED-212-ED-219, EA-408-EA-416 EA-BN412-EA-BN419 EA-BD412-EA-BD419		EAA-TL9/E (ESD)	EA-B101L/E-EA-B103L/E
	EAA-TL6/E (ESD)	EA-BN412/E-EA-BN419/E EA-BD412/E-EA-BD419/E			
	EAA-TL7	EA-BN630-EA-BN650 EA-BD630-EA-BD650		EAA-TL21A	EA-BAK960-9180, EA-BTN960-9180
			EAA-TL22A	EA-BAK960-EA-BAK9250	
				EAA-TL27A-1A	EA-BK760-EA-BK7120

Plug for Power Supply:

Model No.	Type of Plug	Cord Length (cm)	Applicable Models	Model No.	Type of Plug	Cord Length (cm)	Applicable Models
EPAA60005-A	USA 	150	SP-B12HL30T/C3 SP-B32HL61T/C6 SP-32HL60T6 SP-32HL60T/C6	EPAA50002	USA 	200	SP-B32HL62T/C6 SP-B40HL501T/C6 SP-B40HL801T/C6 SP-BC32HL101T/C6 SP-BC40HL501T/C6 SP-BC40HL801T/C6 SP-C32HL60T/C7
EPAA60005-E	EUROPE 			EPAA50002-2	EUR 		
EPAA60005-U	UK 			EPAA50002-3	UK 		
EPAA60005-D	AUSTRALIA 			EPAA50002-1	AUSTRALIA 		
EPAA60005-I	INDIA 			EPAA50002-6	INDIA 		
EPAA60005	CHINA 			EPAA50002-8	CHINA 		
EPAA60005-A-L	JAPAN 			EPAA50002-13	JAPAN 		
EPAA60005-IS	ISRAEL 			EPAA50002-7	ISRAEL 		

Type of Plug

1. U.S.A plug 	2. EUROPE plug 	3. U.K plug 	4. AUSTRALIA plug 
5. INDIA plug 	6. CHINA plug 	7. JAPAN plug 	8. ISRAEL plug 