

# BRUSHLESS **POWER TORQUE** DC-TYPE AUTOMATIC SCREWDRIVER

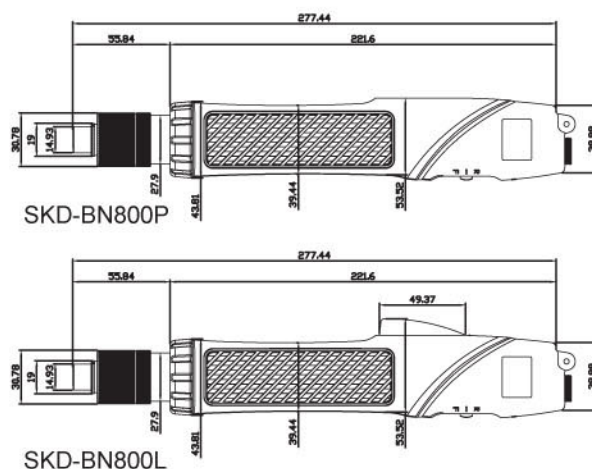


SKD-BN800, SKD-BE800, SKD-TBN/RBN/BN900, SKP-BC40HL, KL-SCBSN

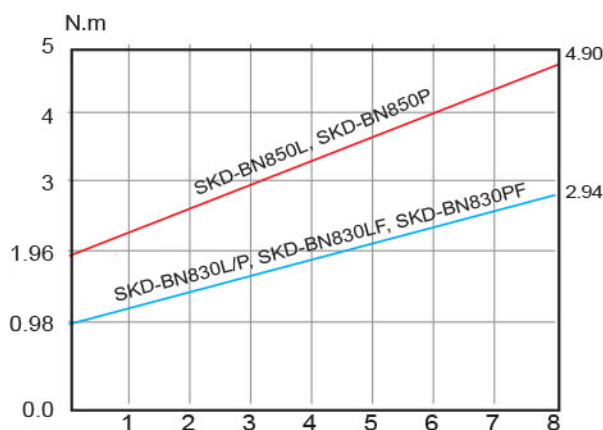


- Brushless feature is applicable in a clean-room environment. The output of torque is highly stable. It is not only a easy-operate equipment but also be operated continuously for a long period.
- One LED on the housing is to remind the operators that the screwdriver is connecting to the power controller.
- Besides, it is a non-carbon, low noise equipment and low voltage.
- There are variable torque's ranges can be selected : 30kgf.cm / 2,000r.p.m, and 50kgf.cm / 1,000r.p.m.
- The best choice when composing the vertical's internal parts and/or any large-size electric equipments, including home appliances, LED/LCD panels and etc.
- Optional accessories spring balancer hoist or pistol grip can be added for easy and safe operation.


### External Dimension



### Torque Range Chart



### Specifications

Model		SKD-BN830LF/PF	SKD-BN830L/P	SKD-BN850L	SKD-BN850P
Input Voltage		DC40V			
Power Consumption		90W	90W	120W	120W
Torque	(kgf.cm)	10~30	10~30	20~50	20~50
	(Lbf.in)	8.67~26.02	8.67~26.02	17.35~43.37	17.35~43.37
	(N.m)	0.98~2.94	0.98~2.94	1.96~4.90	1.96~4.90
Repeatable Torque Accuracy(%)		±3%			
Torque Adjustment		Stepless			
Free Speed (r.p.m)	HI	2000	1000	1000	1000
	LO	—	—	—	—
Screw Size Dia (mm)	Machine Screw	2.6~4.0	2.6~4.0	4.0~5.0	4.0~5.0
	Tapping Screw	2.6~3.5	2.6~3.5	≤4	≤4
Weight(g)		800			
Length(mm)		278			
ESD(Anti-Static)		✓ (with black housing)			
CE		✓			
RoHS		✓			
Power Controller		SKP-40B(6P)			
Bit Type					

### Accessories





# BRUSHLESS POWER TORQUE DC-TYPE AUTOMATIC WITH COUNTER TRIGGER AND PUSH START CLUTCH TYPE SERIES

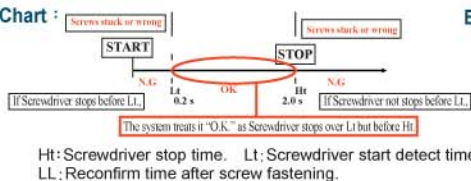


**SKD-BE800 Series** 【SKD-BE830L(6P), SKD-BE850L(6P), SKD-BE830LF(6P)】  
【SKD-BE830P(6P), SKD-BE850P(6P), SKD-BE830PF(6P)】

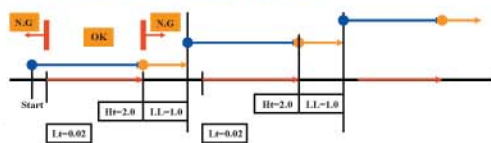


- Brushless motor, the perfect combination between screw counter and electric screwdriver, and most fit for operating in clean-room environment.
- Torque range from 10~50Kgf.cm is medium & small-sized screwdrivers. Widespread and extensively applied by users
- SKD-BE series is one compact of LED counter and electric screwdriver. Two-color housing, easy to operate, suitably used on production line and effectively control numbers of fastening screws and operation quality.
- Easy to set up, complete function, user can set up this counter according to needs of work and leave system automatically to inspect the precision of fastening screws.
- This system can set up Effective Count Number(SC), Automatic Zero(At), Start Detect Time(Lt), Stop Time(Ht), Double Confirm Time after Fastening(LL), Waiting Time between Two Screwdrivers. Professional designs for the needs of users.
- Automatic Learning can complete necessary time from start to fasten, let user confirm whether it is an ideal fastening value.
- Signal output by OK ALL/OK ONE/N.G. in the screwdrivers, open collector. The user can select another wire to connect PLC if necessary.
- If start time doesn't stop as over Ht time, that means stripped or wrong screw ; If start time stops before Lt time, that means screws stuck or wrong. This function can effectively determine whether screw fastening is right or wrong.
- After setting up screws fastening, shut-off can be confirmed just one time during pre-set time.

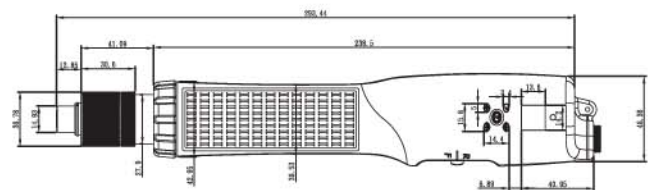
## Data Chart :



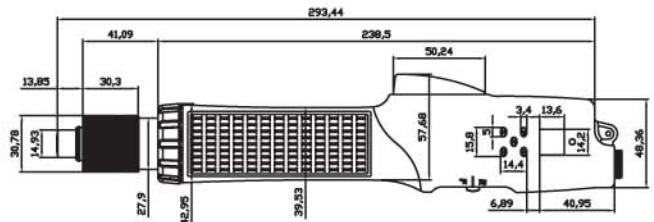
## Execute under general pre-set program :



## External Dimension

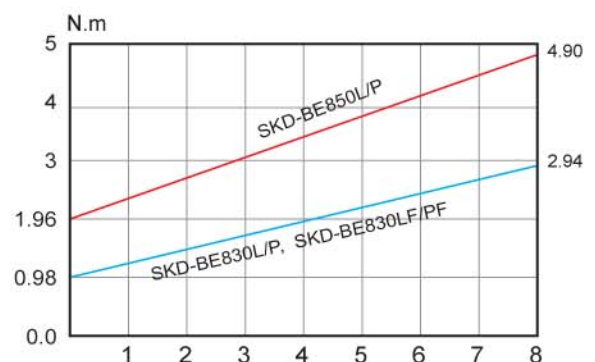


SKD-BE800P(6P)



SKD-BE800L(6P)

## Torque Range Chart



## Specifications

Model	SKD-BE830L(6P)	SKD-BE830P(6P)	SKD-BE830LF(6P)	SKD-BE830PF(6P)	SKD-BE850L(6P)	SKD-BE850P(6P)
Input Voltage	DC40V					
Power Consumption	90W	90W	90W	90W	120W	120W
Torque	(kgf.cm)	10~30	10~30	10~30	20~50	20~50
	(Lbf.in)	8.67~26.02	8.67~26.02	8.67~26.02	17.35~43.37	17.35~43.37
	(N.m)	0.98~2.94	0.98~2.94	0.98~2.94	1.96~4.90	1.96~4.90
Repeatable Torque Accuracy(%)	±3%					
Torque Adjustment	Stepless					
Free Speed (r.p.m)	HI	1000	1000	2000	2000	1000
	LO	—	—	—	—	—
Screw Size Dia (mm)	Machine Screw	2.6~4.0	2.6~4.0	2.6~4.0	2.6~4.0	4.5~5.0
	Tapping Screw	2.6~3.5	2.6~3.5	2.6~3.5	2.6~3.5	≤4
Weight(g)	820					
Length(mm)	294					
ESD(Anti-Static)	✓ (with black housing)					
CE	✓					
RoHS	✓					
Bit Type						

## Accessories

Torque Fixing Ring KC-7C



Torque Adjuster KW-1



Suspension Rack KH-2



Spring Balancer KL-1200



Power Controller SKP-40B(6P)



Pistol Grip LG-12, PG-12



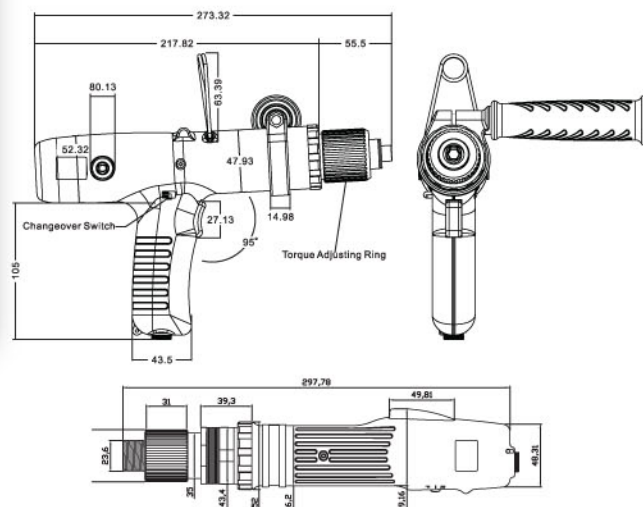


**SKD-TBN/RBN/BN900 Series** 【SKD-TBN60L, SKD-TBN90L, SKD-TBN120L, SKD-TBN180L】 【SKD-RBN250L/P, SKD-RBN350L/P, SKD-RBN500L/P】 【SKD-RBN60L/P, SKD-RBN90L/P, SKD-RBN120L/P, SKD-RBN180L/P】 【SKD-BN960L/P, LF/PF, SKD-BN990L/P, SKD-BN9120L/P】

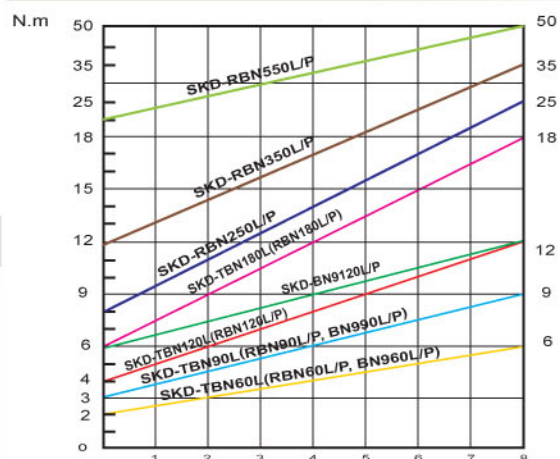


- Whole series use brushless motor, no carbon pollution, and low noise motor operation. It is the best fit for assembling power torque products.
- Assemble large-sized LED/LCD panel and home appliances. Tools can be hanged with spring balancer to lessen work fatigue.
- SKD-TBN series torque range can reach up to 2~18 N.m ; SKD-RBN series torque range can reach up to 2~50 N.m. High accuracy and stable torque output can replace pneumatic screwdriver to avoid unstable torque due to the fluctuation of the air pressure. Also can prevent oil and noise pollution and achieve energy saving and more Eco-friendly.
- SKD-RBN series must be collaborated with Auxiliary Arm and SKD-TBN series must be equipped with side handle, which can increase stable torque output, torque precision, and easier for user to operate.
- Suitable for assembling large-scale work pieces in semi-automatic or full automatic assembly line. In particular, the most suitable for applications such as automotive industrial parts assembly, air conditioning, electricity, telecommunications, large appliances and medical equipment assembly.
- Highly mobility, easy to operate, stable torque, high efficiency. Motor can be free from fatigue under long-working hours.

### External Dimension



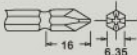


### Torque Range Chart



### Accessories



### Specifications

Model		SKD-RBN60L SKD-RBN60P	SKD-RBN90L SKD-RBN90P	SKD-RBN120L SKD-RBN120P	SKD-RBN180L SKD-RBN180P	SKD-RBN250L SKD-RBN250P	SKD-RBN350L SKD-RBN350P	SKD-RBN500L SKD-RBN500P	SKD-TBN60L	SKD-TBN90L	SKD-TBN120L	SKD-TBN180L	SKD-BN960L SKD-BN960P	SKD-BN960LF SKD-BN960PF	SKD-BN990L SKD-BN990P	SKD-BN9120L SKD-BN9120P
Input Voltage		DC40V														
Power Consumption		100W	120W	120W	200W	260W	260W	260W	100W	120W	120W	200W				
Torque	(N.m)	2~6	3~9	4~12	6~18	8~25	12~35	20~50	2~6	3~9	4~12	6~18	2~6	2~6	3~9	6~12
Repeatable Torque Accuracy(%)		±5%													±5%	
Torque Adjustment		Stepless													Stepless	
Free Speed (r.p.m)	HI	1000	800	550	350	550	350	200	1000	800	550	350	1000	2200	1000	880
	LO	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Screw Size Dia (mm)	Machine Screw	4.0~5.0	5.0~6.0	≤8	≤10	≤8	≤10	≤12	4.0~5.0	5.0~6.0	≤8	≤10	4.0~5.0	4.0~5.0	≤6	≤8
	Tapping Screw	≤4	≤4.5	≤6	≤8	≤6	≤8	≤10	≤4	≤4.5	≤6	≤8	≤4	≤4	≤5	≤6
Weight(kg)		1.25				1.45			1.20				1.03			
Length(mm)		298				298			274X160				360			
ESD(Anti-Static)		✔ (with black housing)				—			—				✔ (with black housing)			
CE		✔				✔			✔				✔			
RoHS		✔				✔			✔				✔			
Auxiliary Arm		✔				✔			—				✔			
Handle Grip		✔														
Power Controller		SKP-40B-HL-800														
Bit Type		<div><div>BB</div><div>HEX 6.35mm(No.3)</div><div><div>WW</div><div>3/8\" data-bbox="845 985 865 1000"/&gt;</div></div></div>														



## SKP-BC40HL-800(V3.0)

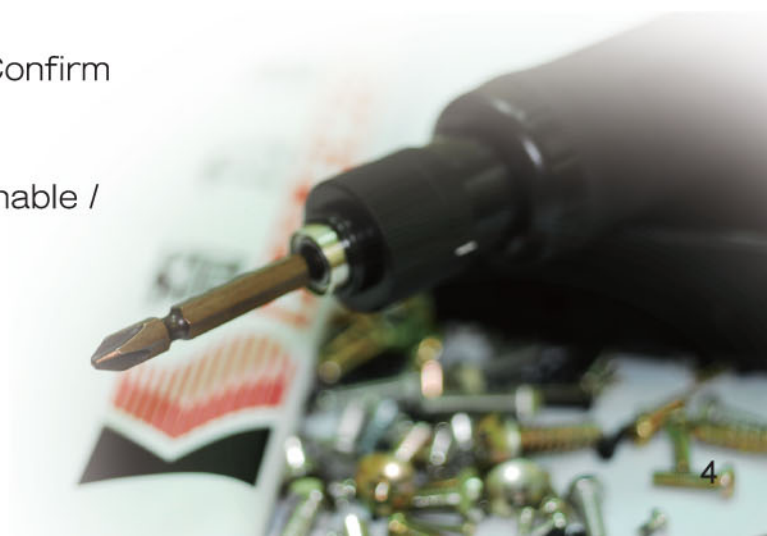
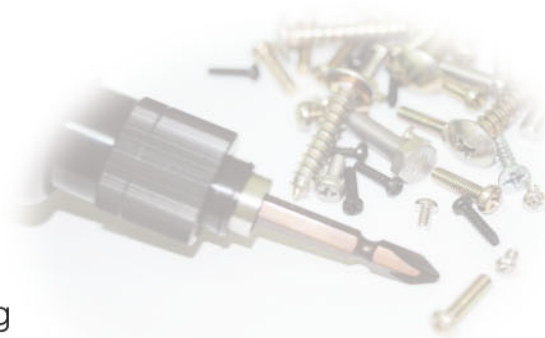
SKD-BN200  
SKD-BN500  
SKD-BN800  
SKD-RBN  
SKD-TBN  
SKD-BN900

## SKP-BC40HL(V3.0)

SKD-BN200  
SKD-BN500  
SKD-BN800

### Features of SKP-BC40HL(V3.0) / SKP-BC40HL-800(V3.0)

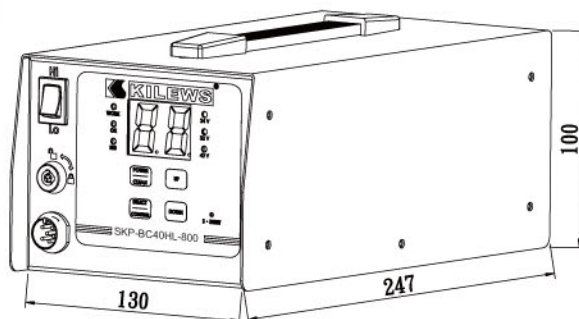
- High / Low speed switch / Hi/Lo voltage switch protection function
- Slow start time (0.0-9.9 second)
- Slow start speed Level (30%-100% of normal speed, L0-L9)
- Target reached Confirm (enable / disable)
- Input / Output function control
- External start Input Control
- External reverse Input Control
- External enable Input Control
- External confirm Input Control
- Expanding 5 sets data memory
- Auto-Learning function for time monitoring
- Before tightening reverse
- After tightening reverse
- Counting mode (count up / count down)
- Signal output (OK 1/ OK ALL / N.G)
- Cancel NG signal (Use external Clear or Confirm button to cancel NG signal)
- Operation complete time
- Self locking when counter detect error (enable / disable)
- Sensor mode (Applications according to different operation use)
- Error code by monitoring
- Strong anti-interference capability







#### External Dimension



SKD-BN800 L/P(Series)



SKD-BN900 L/P(Series)







SKD-RBN L/P(Series)



SKD-TBN L(Series)

#### Specifications

Model	SKP-BC40HL(V3.0)	SKP-BC40HL-800(V3.0)
Input Voltage	AC 100V~240V / 50HZ / 60HZ	AC 110V / 50HZ, 220V / 60HZ
Output Voltage	DC 40V / 32V / 24V 5.5A	DC 40V / 32V / 24V 9A
Power Consumption	220W	360W
Count	1~99	
Count method	Count-up / Count-down	
Reverse Resuming	ON / OFF	
Work with Sensor	ON / OFF	
GATE Sensor	ON(2 Sensors) / OFF(1 Sensor)	
Slow-start time adjustable	0~9.9 seconds	
Slow-start speed adjustable	LO:100%, 35%~85% L1~L9 Rated speed	
Running Time limit-LO	0.00~9.90 seconds	
Running Time limit-HI	0.0~9.9 seconds	
Reminder Mode	ON / OF / 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	HI / LO : Slow-Start	
Dimensions	247X130X100(mm)	
Weight(Kg)	2.4	
Accessories	Power cordX1 、 KeyX2	
Remark	   	
Applicable Models	SKD-BN200 SKD-BN500 SKD-BN800	FOR ALL SKD-BN SERIES (included RBN, TBN, BN900)

# SCREW FEEDER

## KFR-1050



Prompt delivery and steady screw feeding are the important factors of a screw feeder. We have collected feedbacks from all brands users for their opinions to develop this screw feeder. We integrated our advantages with other brands and eliminated detriments that occurred on other brands. As the result, win situation is provided to both our distributors and customers. Please read operation manual before operating in order to achieve the max value of the screw feeder.

### Specifications

Model Name & Number	KFR-1050 Automatic Screw Feeder
Size	182(L)X126(W)X147(H) mm
Weight	N.W. : Approx 2.17 Kgs (excluding switching adaptor)
Power Source	AC 100~240V
Switching Adaptor	DC 15V Switching Adaptor
Applicable Screw	From M1.0 to M5.0
Applicable Screw Length	Up to 19mm(under head)
Scooping Chamber Capacity	200~220 cc
Accessories (in package & box)	Allen Wrench (L Shaped 2.0 x 107 mm) X1 pc.
	Switching Adaptor x 1 Set.
	Accessory(front) (0.8 , 1.0 , 1.2 , 1.5 , 2.0 x 70 mm)X1 pc.
	Accessory(behind) (0.2 x 10 x 20 mm)X2 pcs (0.5 x 10 x 20 mm)X10 pcs.
	Stopper 2.0~5.0mmX1 pc.
Package Size	Each Set/Box : 282(L)X142(W)X201(H)mm
	Each Carton : 450(L)X310(W)X435(H)mm
Package Weight (Including Machine)	Each Set/Box G.W : Approx 2.63 Kgs
	Each Carton G.W : Approx 16.53 Kgs(One Carton=6 Sets)

### Features

- **WIDEST RANGE OF APPLICABLE SCREW SIZES :**  
Between 1.0~5.0mm (Incl.: 1.0mm, 1.2mm, 1.4mm, 1.7mm, 2.0mm, 2.3mm, 2.6mm, 3.0mm, 3.5mm, 4.0mm, & 5.0mm,) 11 sizes.
- **MAX OF SCREWS LENGTH & HOPPER CAPACITY :**  
Screw Length : Up to 19mm (under screw head)  
Capacity of hopper : 200~220 c.c
- **APPLICABILITY OF SPECIAL SCREW TYPES :**  
Screw Length Thread Diameter (1=1, 1<1)  
Thickness of screw head 0.2mm  
No jamming or failure occurred with these applicable types and affect productivity.
- **SIZE OF FEEDING RAIL IS ADJUSTABLE :**  
Feeding rail can be pulled out for width adjusts to the applied sizes easily. Measurements for width adjusting can be in metric or imperial units.
- **SAVE PARTS COSTS & STOCK :**  
KFR-1050 allows adjusting the width of feeding rail to serve 11 sizes screws, between 1.0mm to 5.0mm diameter. The flexibility prevents dealers from stocking up on quantities for different sizes, and reduces the cost on related accessories for users.
- **ADJUSTABLE VIBRATION INTENSITY :**  
With vibration in small amplitude at high strength, it moves screws On rail to pick-up point in good order, no overlay or jamming to affect the speed of movement and productivity.
- **HUMANIZED MULTI PROGRAMMING CONTROL:**  
\*Individual drive system for feeding and vibrating operation.  
\*Setting for suitable stop time without interapt to operate.  
\*Equipped ground wire, socket & buzzer for operative safety and alarm signal.  
\*PCB controls for efficiencies of desired speed & timing on each operating step.  
\*Switching Adaptor allowed AC 100~240V power source for stable DC 15V output No influences and problems due to the different AC power source of factories locations.

### Other functions

PCB designed with short circuit and over load protection. Screw feeder and PCB grounding connection is also available. Power On/Off buzzer alert and blinking LED indicator.







# KILEWS® TORQUE METERS

KTM-100, KTM-CSH, KTM-4B-25, KTM-250



● The torque meters are directly produced in Japan, authorized by Kilews Industrial Co., Ltd. by ODM. Each product will be provided with an Adjustment Certificate and one year Warranty in normal using. Take Note!

\* KTM-CSH is for RBN/TBN 6~18N.m and BN900 series.

\* KTM-4B-25 / KTM-250 is for RBN250 series.

These measuring instruments could not be applied in testing the pneumatic screwdriver products and prohibited in measuring the torque exceeding maximum measuring range of torque meters.

## KTM-100

- LED can identify the test range of torque setting by needed user. If the result is not complying to torque range setting, light will be warned.
- USB 1.0 connector is only used for data output ; it is convenient for user to work with computer.
- Auto-zero can be selected and zero reset becomes unnecessary for user.
- Automatically test values about maximum, minimum and mean.

## Specifications

Model		KTM-100	KTM-CSH	KTM-4B-25	KTM-250
Measuring Ranges	(kgf.cm)	1.5~100.0	30.0~200.0	5.0~250.0	5.0~250.0
	(Lbf.in)	1.5~90.0	30.0~180.0	5.0~220.0	5.0~220.0
	(N.m)	0.15~10.00	3.00~20.00	0.5~25.0	0.5~25.0
Accuracy		With in $\pm 0.5\%$			
Power Supply		1.2V batteryX5			
Charging Time		With in 8 hours			
Continuous Operation At Full Charge		12 hours			
Battery		Rechargeable 300 times or more			
Dimension(mm)		123X230X65(H)	180X130X34(H)	150X115X40(H)	160X210X50(H)
Weight(kg)		2.0	1.5	2.1	2.4
Special Charger		Input AC120V, 220~240V Output DC12V 500mA	Input AC120V, 220~240V    Output DC7.5V 500mA		
Accessory		Torque measuring adaptorX2 SJ-10K/SJ-50	Torque measuring adaptorX1 SJ-100	Soft join torque measuring adaptor x 1 Hard join torque measuring adaptor x 1	



# ACCESSORIES

## Auxiliary Arm Series [KP-AUXA, KP-AUX1T, KP-VAR, KP-VA1, KP-AUX-C/E/B/D Series]



KP-AUXA, KP-AUX1T



### Auxiliary Arm

#### KP-AUXA, KP-AUX1T

- Provide with the rocker arm, enable to revolve on 360 degrees.
- Main shaft can be extended to maximum 830mm
- Power arm inside includes nitrogen gas stick, allow user to grab the arm easily, automatic lift up to position after finishing the work.
- Easy to assemble and Disassemble.
- Optional accessory KP-VA1, KP-VAR(90 degree adapter) is available for user to Adjust angle in accordance with the object to be fastened.

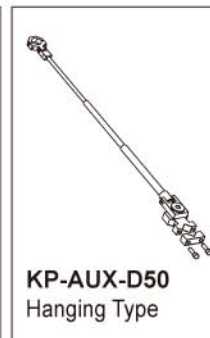
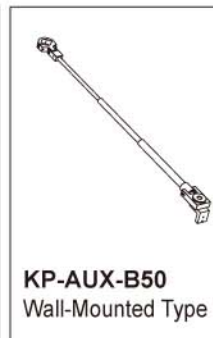
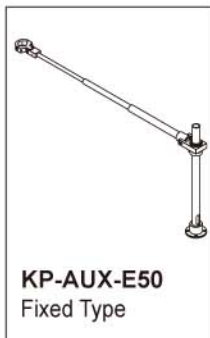
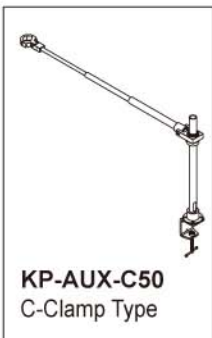


KP-VAR, KP-VA1

### Specifications

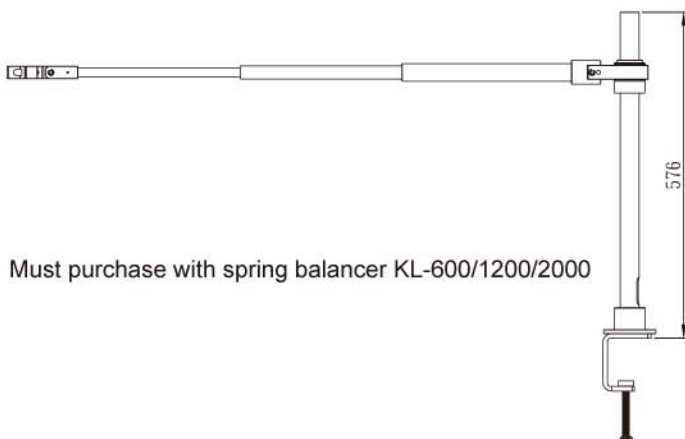
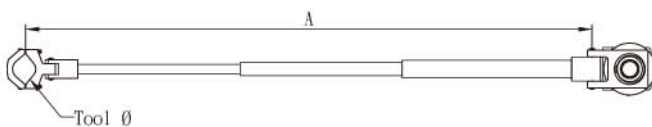
Model	KP-AUXA	KP-AUX1T
Description	Suspension Arm	Suspension Arm
Reach	50mm~830mm	50mm~830mm
Applicable Models	SKD-RBN Series	SKD-BN800 Series SKD-BE800 Series
Remark	KP-VAR adaptable	KP-VA1 adaptable

※The auxiliary arm can be used only with Kilews electric screwdrivers.



### Specifications

Model No.	Max torque (Nm)	A(mini/maxi) cm	Tool Ø diameter(mm)
KP-AUX-C50-1000	50	43~100	38.5~52
KP-AUX-C50-1200	50	50~120	38.5~52
KP-AUX-E50-1000	50	43~100	38.5~52
KP-AUX-E50-1200	50	50~120	38.5~52
KP-AUX-B50-1000	50	43~100	38.5~52
KP-AUX-B50-1200	50	50~120	38.5~52
KP-AUX-D50-1000	50	43~100	38.5~52



Must purchase with spring balancer KL-600/1200/2000



# Screwdriver I/O Signal Control Box, Slow StartControl Module, 90° Degree Attachment 【KL-SCBSN, KL-SSBN, KL-1, KL-3】



## Screwdriver I/O Signal Control Box (For Manual / PLC)

### KL-SCBSN

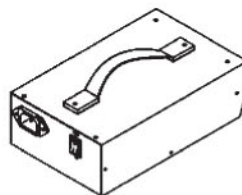
- Slow Start time (0.0-9.9 second)
- Slow start Speed Level (30%-100% of normal speed,L0-L9)
- Operation Time (0.0-9.9 second)
- Target Reached Confirm (enable / disable)
- Brake Signal Hold Time (start off / next start off)
- External Start Input Control
- External Reverse Input Control
- Signal output (Start,Stop,Reverse)



BN SCREWDRIVER

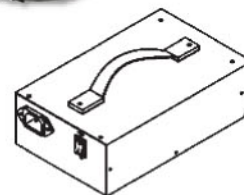


KL-SCBSN



SKP-40B(6P)  
BN POWER CONTROLLER

or



SKP-40B-HL-800  
BN POWER CONTROLLER



## Slow Start Control Module

### KL-SSBN

- BYPASS: Automatically disable slow start function when screwdriver in reverse rotation, easier to reverse screws.
- Adjustable slow start speed from 30% to 100% of normal speed, Slow start level setting from L1-L2-L3-....L9-L0
- Provide output start signal/ break signal/ forward and reverse signal with MOS relay switch
- Compatible with KILEWS Brushless DC SKD-BN series
- Slow start time can be set from 0.1 s up to 9.9 second
- Dimension : 58x95x35mm ( LxWxH)

## 90° Degree Attachment

Model	90° Degree Attachment Applicable Model
KL-1	SKD-B830L, SKD-B850L, ※only for B type
KL-3	suitable for all RBN series except RBN500 Applying for B type or W type.

※ Only for "L" trigger start screwdrivers



90° Degree  
Attachment  
KL-1



KL-3





### Spiral Cables

#### Applicable Models

Supplying spiral cable for all of KILEWS screwdriver with 4 pin or 6 pin. (B100 and B200 series are not included.)

Note : Cable can be extended up to 3M



### Torque Adjuster

#### Model

#### Applicable Models

KW-1

SKD-BN800 series  
SKD-BE800 series



- The new Suspension Rack series can be fixed on the table or wall. Position angle of the rack can be adjustable for operator easier to pick up and restore the screwdriver.

### Suspension Rack

Model	Applicable Models
KH-6	BN800 series BN900 series
KH-7	TBN series RBN series

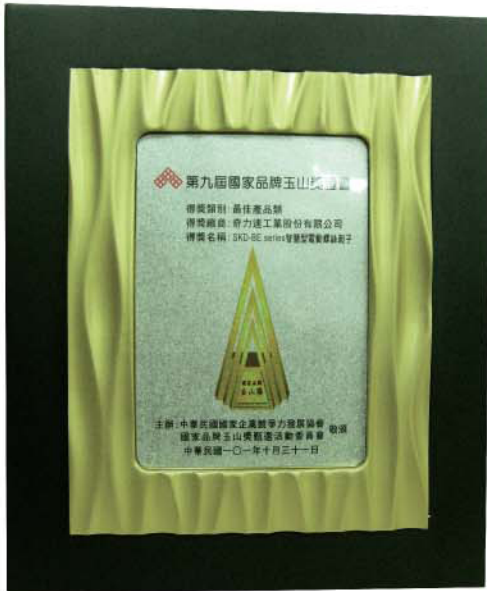


### Spring Balancer

Model	Applicable Models
KL-1200 0.6~1.5kg	USE FOR ALL MODELS (TBN/RBN/BN900 series are not included.)
KL-2000 1.0~2.0kg	USE FOR ALL MODELS



The group photo of President of Taiwan Mr. Ma Ying-Jeou had an interview with the 9th National Brand of Yushan Award of chairmen's award winners on January 2<sup>nd</sup> 2013.



In 2012, KILEWS won the National Brand of Yushan Award, the award for outstanding business class award for the best product.