



## Power Torque Brushless Electric Screwdrivers



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# CONTENTS

All Kilews West USA drivers feature clean, brushless motors for dependability and longevity. All controllers are ETL listed (cETLus certification). All listed torque and accuracy values are factory test values— actual torque results may vary depending on the specific application, operator input, and test equipment used.

## **3 BN800 Series — 0.98–4.90 Nm (8.9–43.4 in-lbs)**

Medium-torque production tool. Available in push and lever start models. ESD-safe versions available.

## **4 BN900 Series — 2–12 Nm (18–106 in-lbs)**

Ideal for auto screw feed and fixture mount. Available in push and lever start models.

## **5 RBN Series — 2–35 Nm (18–310 in-lbs)**

High-torque tool ideally suited for use in a torque arm. Available in push and lever start models.

## **6 TBN Series Pistol Grip Drivers — 2–18 Nm (18–159 in-lbs)**

For applications where fasteners are installed horizontally.

## **7 Right Angle Drivers — 0.98–20 Nm (8.9–177 in-lbs)**

For installing fasteners in areas with limited access. ESD-safe versions available for some models.

## **8 Controllers & Tool Cables**

Controllers and replacement tool cables for 40VDC screwdrivers.

## **9 Slow Start & I/O Control Modules**

Module which installs inline between tool and controller to add programmability and slow start functionality.

## **10 Counting Controllers**

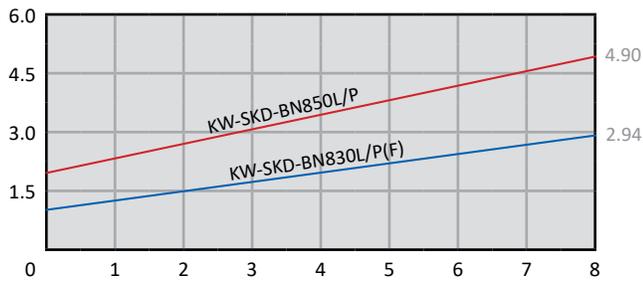
Controllers for use with Kilews drivers to add programmability and provide feedback on the quantity and quality of rundowns performed.

## **11 Torque Arms & Tool Accessories**

KP-AUX1T-UTH torque reaction arm, KP-AUX-B50 telescopic torque arms, torque fixing rings, tool holsters, and the KL-1200 spring balancer.

# BN800 SERIES — 0.98–4.90 Nm (8.9–43.4 in-lbs)

## Torque Range (Nm)



\*Requires a Controller (see pg. 8–10)



## Included Accessories

- 2x 1/4" Hex Bits (PH#2)
- Torque Fixing Ring
- 6-Pin 2m Tool Cable
- Pistol Grip Attachment and Suspension Bail

## Optional Accessories (details on pg. 11)

|                        |  |
|------------------------|--|
| Torque Fixing Ring     | Standard — KC-7C<br>ESD — KC-7S  |
| Torque Adjust Tool     | KW-1   |
| Tool Holster           | KH-6   |
| Pistol Grip Attachment | Standard, Lever Start — LG-8<br>Standard, Push Start — PG-8<br>ESD, Lever Start — LG-8S<br>ESD, Push Start — PG-8S |
| Spring Balancer        | KL-1200  |

## Specifications

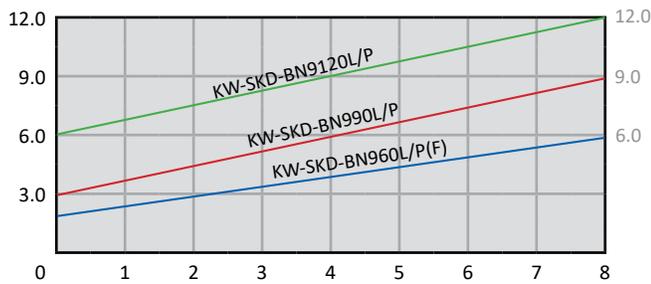
| Model*         | Torque Range** |           | Speed (rpm) | Start Type | Screw Diameter (mm) |         | Dimensions (mm)         | Weight             |
|----------------|----------------|-----------|-------------|------------|---------------------|---------|-------------------------|--------------------|
|                | Nm             | in-lbs    |             |            | Machine             | Tapping |                         |                    |
| KW-SKD-BN830L  | 0.98–2.94      | 8.9–26.0  | 1000        | Lever      | 2.6–4.0             | 2.6–3.5 | 278 (L) x<br>39.5 (dia) | 0.8 kg<br>1.76 lbs |
| KW-SKD-BN830P  |                |           |             | Push       |                     |         |                         |                    |
| KW-SKD-BN830LF |                |           | 2000        | Lever      |                     |         |                         |                    |
| KW-SKD-BN830PF |                |           |             | Push       |                     |         |                         |                    |
| KW-SKD-BN850L  | 1.96–4.90      | 17.4–43.4 | 1000        | Lever      | 4.0–5.0             | ≤ 4     |                         |                    |
| KW-SKD-BN850P  |                |           |             | Push       |                     |         |                         |                    |

\*For tools with ESD-safe housing, add suffix '-ESD'

\*\*Torque accuracy is ±3%. Actual torque results may vary based on application and operating conditions.

# BN900 SERIES — 2-12 Nm (18-106 in-lbs)

## Torque Range (Nm)



## Included Accessories

- 2x 1/4" Hex Bits (PH#2, PH#3)
- 6-Pin 2m Tool Cable
- Side Handle Attachment
- Suspension Bail

## Optional Accessories (details on pg. 11)

|                        |   |
|------------------------|---|
| Torque Fixing Ring     | KC-27A                                    |
| Tool Holster           | KH-6                                      |
| Pistol Grip Attachment | Lever Start — LG-13<br>Push Start — PG-13 |
| Spring Balancer        | KL-1200                                   |
| Torque Arm*            | KP-AUX1T-UTH                              |

\*Due to the high torque output of these tools, the use of a torque arm is highly recommended



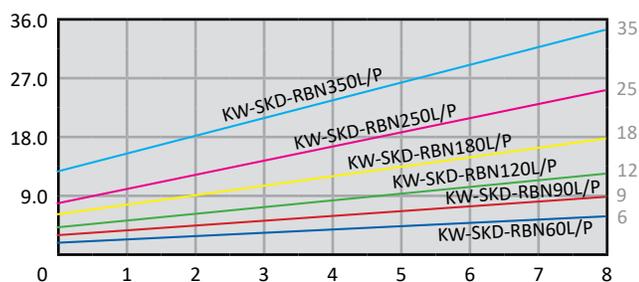
## Specifications

| Model          | Torque Range* |        | Speed (rpm) | Start Type | Screw Diameter (mm) |         | Dimensions (mm)         | Weight             |
|----------------|---------------|--------|-------------|------------|---------------------|---------|-------------------------|--------------------|
|                | Nm            | in-lbs |             |            | Machine             | Tapping |                         |                    |
| KW-SKD-BN960L  | 2-6           | 18-53  | 1000/750    | Lever      | 4.0-5.0             | ≤ 4     | 306 (L) x<br>41.4 (dia) | 1.03 kg<br>2.3 lbs |
| KW-SKD-BN960P  |               |        |             | Push       |                     |         |                         |                    |
| KW-SKD-BN960LF |               |        | 2000/1650   | Lever      |                     |         |                         |                    |
| KW-SKD-BN960PF |               |        |             | Push       |                     |         |                         |                    |
| KW-SKD-BN990L  | 3-9           | 27-79  | 1000/750    | Lever      | ≤ 6                 | ≤ 5     |                         |                    |
| KW-SKD-BN990P  |               |        |             | Push       |                     |         |                         |                    |
| KW-SKD-BN9120L | 6-12          | 53-106 | 880/660     | Lever      | ≤ 8                 | ≤ 6     |                         |                    |
| KW-SKD-BN9120P |               |        |             | Push       |                     |         |                         |                    |

\*Torque accuracy is ±5%. Actual torque results may vary based on application and operating conditions.

# RBN SERIES — 2-35 Nm (18-310 in-lbs)

## Torque Range (Nm)



## Included Accessories

- 2x 1/4" Hex Bits (PH#3)
- 6-Pin 2m Tool Cable
- Side Handle Attachment
- Suspension Bail

## Optional Accessories (details on pg. 11)

|                    |              |
|--------------------|--------------|
| Torque Fixing Ring | KC-22A       |
| Tool Holster       | KH-7         |
| Spring Balancer    | KL-1200      |
| Torque Arm*        | KP-AUX1T-UTH |

\*Due to the high torque output of these tools, the use of a torque arm is highly recommended



\*Requires a Controller (see pg. 8-10)

## Specifications

| Model*         | Torque Range** |         | Speed (rpm) | Start Type | Screw Diameter (mm) |         | Dimensions (mm)      | Weight              |
|----------------|----------------|---------|-------------|------------|---------------------|---------|----------------------|---------------------|
|                | Nm             | in-lbs  |             |            | Machine             | Tapping |                      |                     |
| KW-SKD-RBN60L  | 2-6            | 18-53   | 1000/750    | Lever      | 4.0-5.0             | ≤ 4     | 297 (L) x 46.2 (dia) | 1.25 kg<br>2.75 lbs |
| KW-SKD-RBN60P  |                |         |             | Push       |                     |         |                      |                     |
| KW-SKD-RBN90L  | 3-9            | 27-79   | 800/600     | Lever      | 5.0-6.0             | ≤ 4.5   |                      |                     |
| KW-SKD-RBN90P  |                |         |             | Push       |                     |         |                      |                     |
| KW-SKD-RBN120L | 4-12           | 36-106  | 550/400     | Lever      | ≤ 8                 | ≤ 6     |                      |                     |
| KW-SKD-RBN120P |                |         |             | Push       |                     |         |                      |                     |
| KW-SKD-RBN180L | 6-18           | 53-159  | 350/250     | Lever      | ≤ 10                | ≤ 8     |                      |                     |
| KW-SKD-RBN180P |                |         |             | Push       |                     |         |                      |                     |
| KW-SKD-RBN250L | 8-25           | 71-221  | 350/250     | Lever      | ≤ 8                 | ≤ 6     |                      | 1.45 kg<br>3.2 lbs  |
| KW-SKD-RBN250P |                |         |             | Push       |                     |         |                      |                     |
| KW-SKD-RBN350L | 12-35          | 106-310 | 350/250     | Lever      | ≤ 10                | ≤ 8     |                      |                     |
| KW-SKD-RBN350P |                |         |             | Push       |                     |         |                      |                     |

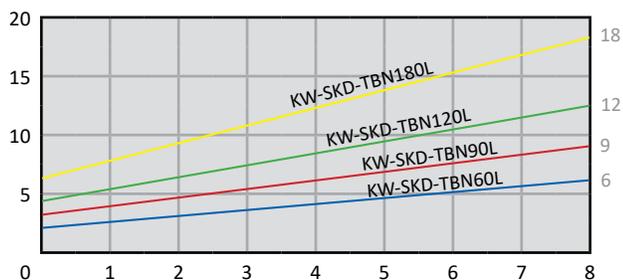
\*For tools with ESD-safe housing, add suffix '-ESD' (not available on RBN250 or RBN350 models)

\*Drive is 1/4" hex by default — For 3/8" square drive, add suffix '-SQ'

\*\*Torque accuracy is ±5%. Actual torque results may vary based on application and operating conditions.

# TBN SERIES PISTOL GRIP DRIVERS — 2-18 Nm (18-159 in-lbs)

## Torque Range (Nm)



\*Requires a Controller (see pg. 8-10)



## Included Accessories

- 2x 1/4" Hex Bits (PH#3)
- 6-Pin 2m Tool Cable
- Suspension Bail

## Optional Accessories (details on pg. 11)

|                    |         |
|--------------------|---------|
| Torque Fixing Ring | KC-21A  |
| Tool Holster       | KH-7    |
| Spring Balancer    | KL-1200 |

## Specifications

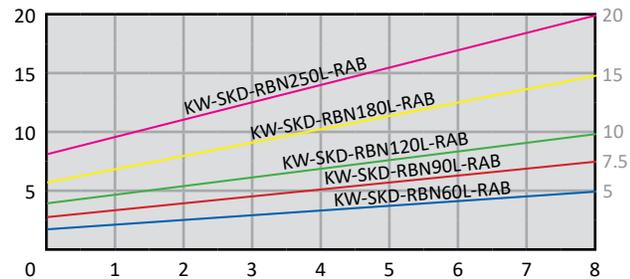
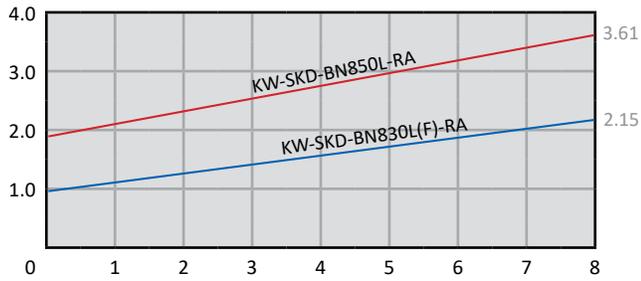
| Model*         | Torque Range** |        | Speed (rpm) | Screw Dimensions (mm) |         | Dimensions (mm)                    | Weight             |
|----------------|----------------|--------|-------------|-----------------------|---------|------------------------------------|--------------------|
|                | Nm             | in-lbs |             | Machine               | Tapping |                                    |                    |
| KW-SKD-TBN60L  | 2-6            | 18-53  | 1000/750    | 4.0-5.0               | ≤ 4     | 270 (L) x<br>169 (H) x<br>48 (dia) | 1.2 kg<br>2.64 lbs |
| KW-SKD-TBN90L  | 3-9            | 27-79  | 800/600     | 5.0-6.0               | ≤ 4.5   |                                    |                    |
| KW-SKD-TBN120L | 4-12           | 36-106 | 550/400     | ≤ 8                   | ≤ 6     |                                    |                    |
| KW-SKD-TBN180L | 6-18           | 53-159 | 350/250     | ≤ 10                  | ≤ 8     |                                    |                    |

\*Standard cable connection is in bottom of handle — for top rear connection, add suffix '-U'

\*\*Torque accuracy is ±5%. Actual torque results may vary based on application and operating conditions.

# RIGHT ANGLE DRIVERS — 0.98–20 Nm (8.9–177 in-lbs)

## Torque Range (Nm)



\*Requires a Controller (see pg. 8–10)



## Included Accessories

- Adjustment Locking Key (2mm Hex)
- Torque Fixing Ring
- 6-Pin 2m Tool Cable

## Optional Accessories (details on pg. 11)

Spring Balancer      KL-1200 (BN8 models only)

## Specifications

| Model*             | Torque Range |         | Speed (rpm) | Drive Type** | Angle Head Part | Dimensions (mm)      | Weight              |
|--------------------|--------------|---------|-------------|--------------|-----------------|----------------------|---------------------|
|                    | Nm           | in-lbs  |             |              |                 |                      |                     |
| KW-SKD-BN830L-RA   | 0.98–2.15    | 8.9–19  | 1000        | 1/4" Hex     | KL-1            | 342 (L) x 39.5 (dia) | 1.07 kg<br>2.36 lbs |
| KW-SKD-BN830LF-RA  |              |         | 2000        |              |                 |                      |                     |
| KW-SKD-BN850L-RA   | 1.96–3.61    | 17.4–32 | 1000        | 3/8" Sq      | KL-3W           | 390 (L) x 46.2 (dia) | 1.84 kg<br>4.05 lbs |
| KW-SKD-RBN60L-RAW  | 2–5          | 18–45   | 1000        |              |                 |                      |                     |
| KW-SKD-RBN90L-RAW  | 3–7.5        | 27–67   | 800         | 3/8" Sq      | KL-3W           | 390 (L) x 46.2 (dia) | 2.04 kg / 4.5 lbs   |
| KW-SKD-RBN120L-RAW | 4–10         | 36–90   | 550         |              |                 |                      |                     |
| KW-SKD-RBN180L-RAW | 6–15         | 53–145  | 350         |              |                 |                      |                     |
| KW-SKD-RBN250L-RAW | 8–20         | 71–177  | 350         |              |                 |                      |                     |

\*For tools with ESD-safe housing, add suffix '-ESD' (Only available on BN8 Series drivers)

\*\*Replace suffix '-RAW' with '-RAB' for 1/4" Hex drive on RBN series angle drivers

# CONTROLLERS & TOOL CABLES

There are two standard Hi/Lo Speed Controllers available for the 40VDC brushless drivers. The KW-SKP-40B-HL is used primarily for the BN800 series of screwdrivers, while the high power model KW-SKP-40B-HL-800 is used for higher torque tools.

Both models are CE/ROHS/ETL approved.



## Specifications

| Model             | Outlets | Speeds  | Input               | Output            | Dimensions L x W X H (mm) | Weight          | Compatible Models      |
|-------------------|---------|---------|---------------------|-------------------|---------------------------|-----------------|------------------------|
| KW-SKP-40B-HL     | 1       | Hi / Lo | 100–240VAC,<br>6.3A | 40/30VDC,<br>220W | 220 x 134 x 68            | 1.8 kg<br>4 lbs | KW-SKD-BN800<br>Series |
| KW-SKP-40B-HL-800 |         |         | 115/230VAC,<br>6.3A | 40/30VDC,<br>360W |                           |                 | All 40VDC<br>Models    |



## Replacement Tool Cables

|               |              |
|---------------|--------------|
| 2m            | AA50001-25N  |
| 3m            | AA50001-34N  |
| 3m, coiled    | AA50001-106N |
| 3m, shielded  | AA50001-140N |
| 5m, shielded  | AA50001-145N |
| 10m, shielded | AA50001-146N |

# SLOW START & I/O CONTROL MODULES

## Features

- Adjustable slow start speed, which can be set to one of ten values (L0–L9) from 30% to 100% of full speed
- Slow start time can be set up to 9.9 seconds
- Provides three available outputs: tool running, clutch activated and tool in reverse (MOS relay switches)
- Installs in-line between any Kilews West USA 40VDC screwdriver and its power controller
- Automatic bypass of slow start function when tool is in reverse
- Manual bypass switch will disable slow start function if required
- KW-KL-SCBSN includes a 3m long shielded tool cable to use in place of the unshielded cable included with the screwdriver



KW-KL-SSBN



KW-KL-SCBSN

## Specifications

| Model                   | KW-KL-SSBN                                      | KW-KL-SCBSN  |
|-------------------------|---|--|
| Dimensions (L x W x H)  | 58 x 95 x 35 mm<br>2.3 x 3.7 x 1.4 in           | 103 x 100 x 32 mm<br>4.1 x 3.9 x 1.3 in                  |
| Weight                  | 130 g / 0.3 lbs                                 | 180 g / 0.4 lbs  |
| Compatible Tools        | All 40VDC Models                                |  |
| Available Inputs        | —   | Remote Start, Remote Reverse,<br>Remote Enable / Disable |
| Available Relay Outputs | Tool Running, Clutch Activated, Tool in Reverse |  |
| Slow Start Time         | 0.1–9.9 s                                       | 0.0–9.9 s  |
| Slow Start Speed        | 30%–100%  |  |



40VDC Screwdriver

Control Module

40VDC Power Controller

# COUNTING CONTROLLERS

## Features

- Selectable slow start speed and time
- Large LED display shows screw count values
- Externally accessible I/O connections
- Programmable batch counting with audible buzzer indicating batch complete
- Programmable time window for comparison with actual fastening cycle time — LEDs indicate OK/NG rundown cycle
- Optional timed auto-reverse for applications requiring back-out after fastening
- Locks to limit access to program modifications
- CE / RoHS / ETL compliant
- Includes a 3m long shielded tool cable to use in place of the unshielded cable included with the screwdriver



Parameters are set up on the counting controller using the four button keypad and LED display panel. A simple program loop provides access to settings for slow start speed and time, batch count quantity, and min/max allowable rundown times. During normal operation, the large two-digit display shows the current screw count value and also provides LED indication of whether the rundown was good (OK) or no good (NG) based on the time window parameters that have been programmed into the controller.

## Specifications

|                        | KW-SKP-BC40HL   | KW-SKP-BC40HL-800         |
|------------------------|---|---------------------------|
| Model                  | KW-SKP-BC40HL   | KW-SKP-BC40HL-800         |
| Compatible Models      | KW-SKD-BN800 Series   | All 40VDC Models          |
| Input Voltage          | 100–240VAC, 50/60Hz, 6.3A                                   | 115/230VAC, 50/60Hz, 6.3A |
| Output Voltage         | 40/32/24VDC, 220W   | 40/32/24VDC, 360W         |
| Outlets                | 1   |                           |
| Dimensions (L x W x H) | 247 x 130 x 100 mm<br>9.7 x 5.1 x 3.9 in                    |                           |
| Weight                 | 2.4 kg / 5.3 lbs  |                           |
| Count (per batch)      | 1–99 fasteners  |                           |
| Speeds                 | Hi / Lo   |                           |
| External Inputs        | Remote Start / Reverse / Disable / Confirm / Enable / Clear |                           |
| External Outputs       | OK / NG / OK ALL  |                           |
| Slow Start Time        | 0.0–9.9 s   |                           |
| Slow Start Speed       | 35%–100%  |                           |
| Approvals              | CE / RoHS / ETL   |                           |

# TORQUE ARMS & TOOL ACCESSORIES

## KP-AUX1T-UTH Torque Reaction Arm



The KP-AUX1T-UTH torque reaction arm supports the weight of a screwdriver with a nitrogen gas shock and keeps it perpendicular to a work surface with its parallel arm design. Its flexibility allows it to be operated within a working range of 50–830 mm. The universal tool holder accepts a diameter of 22–46mm. Max torque is 35Nm.

## KP-AUX-B50 Telescopic Torque Arms



The KP-AUX-B50 telescopic torque arms mount to a wall and support the weight of a driver. It is constructed from a lightweight aluminum alloy, allows for a smooth range of motion, and features a tool holder which accommodates all Kilews West screwdrivers.

The KP-AUX-B50-1000 has a working range of 430–1000 mm, while the KP-AUX-B50-1200 has a range of 500–1200 mm.

## Torque Fixing Rings



A torque fixing ring attaches to a screwdriver in order to lock in a torque setting and prevent tampering. Plastic fixing rings are included with BN800 series tools, while those available for all other 40VDC drivers are metal.

## KH-6 & KH-7 Tool Holsters



A KH series tool holster provides a secure place to park a screwdriver when it is not in use. It mounts to a work bench or other flat surface and features an angle adjustment for optimal positioning.

## KL-1200 Spring Balancer



The KL-1200 suspends a driver over the work area for easy access. It features adjustable spring tension to support weight of 0.6–1.5kg (1.3–3.3lbs) and a travel distance of up to 1.8m.



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**Efforts have been made to ensure accuracy of information at time of print.  
All information and specifications are subject to change without notice.**

**Cat# KW0517**