## Torque Fixing Ring

| Model | Applicable Models |
|---|---|
| KC-2(S) | BSD-BN7000 series |
| KC-6C(S) | BSD-BN5000 series |
| KC-13C(S) | BSD-BN2000 series |

## Torque Adjuster

| Model | Applicable Models |
|---|---|
| KW-1 | BSD-BN7000 series |
| KW-3 | BSD-BN5000 series |
| KW-4 | BSD-BN2000 series |

## Suspension Rack

| Model | Applicable Models |
|---|---|
| KH-2L | BSD-BN7000 series |
| KH-1L | BSD-BN7000 series (with KC) |
| KH-3 | BSD-BN5000 series (with KC) |
| KH-4 | BSD-BN5000 series |
| KH-5 | BSD-BN2000 series |

## 90 Degree Attachment

| Model | Applicable Models |
|---|---|
| KL-1 | BSD-BN7000 Series |
| KL-2 | BSD-BN5000 Series |

## Screw Setter

| Model | Applicable Screw Size |
|---|---|
| KB-1 | M1.7~2.0 Screw Available |
| KB-2 | M2.0~2.6 Screw Available |
| KB-3 | M3.0~4.0 Screw Available |

## Spring Balancer

| Model | Applicable Models |
|---|---|
| KL-600 (0.3~0.6kg) | BSD-BN2000 series |
| KL-1200 (0.6~1.5kg) | BSD-BN5000 series |

## Auxiliary Arm

| Model | Applicable Models |
|---|---|
| KP-AUX C/E/B/D series | BSD-BN7000 series<br>BSD-BN5000 series<br>BSD-BN2000 series |

**ANLIDAR INDUSTRIAL CO., LTD.**

Headquarters:
No.30, Lane 83, Hwa Cheng Road,
Hsin Chuang Dist., New Taipei City,
Taiwan, R.O.C.
TEL: 886-2-2997-1101
FAX : 886-2-2998-8055
E-mail : sales@anlidar.com
Website : http://www.anlidar.com

Branch:
No.367, 2nd Xinjian Road, Xuhang Town,
Jiading Dist., Shanghai 201808 China
TEL: 86-21-59556669
FAX : 86-21-59556015
E-mail : sales.cn@anlidar.com
Website : http://www.anlidar.com


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Specifications and design are subject to change without notice.

Y99912-14

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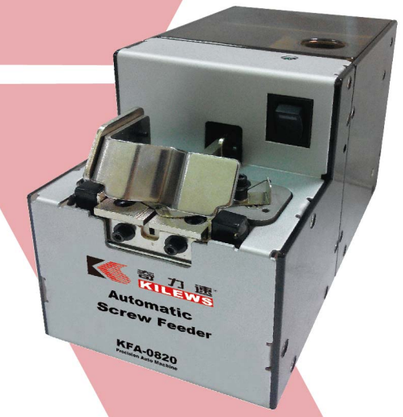
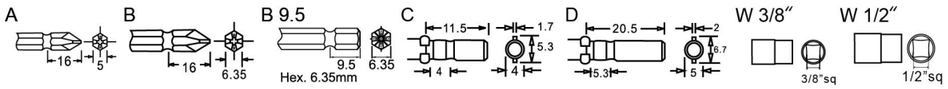
# BRUSHLESS AUTO SHUT OFF ELECTRIC SCREWDRIVERS



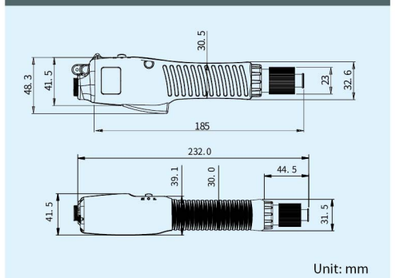

**High Functional Brushless Motor**
**Non-Pollution For Clean-Room Circumstance**
**Stable Torque Output**
**Marvellous Lifespan**
**Two Speed Selections**
**Best For Micro-Electronice Assembly**

# TECHNICAL DATA OF ALL MODELS

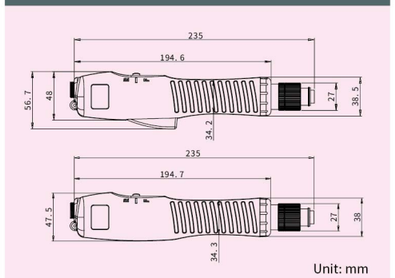
| Model | Input Voltage | Power Consumption | Torque (N.m) | Repeatable Torque Accuracy (%) | Speed (r.p.m) | Screw Size (mm) Macne screw | Screw Size (mm) Tapping screw | Weight (g) | Length (mm) | Power Controller | Bit Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BSD-BN2003L | 24 / 32 VDC | 25W | 0.02~0.34 | ±3 | 1000/700 | 1.0~2.3 | 1.0~2.0 | 385 | 185 | BSP-32BC-60W BSP-BC32HL-100(V3.0) | B、C |
| BSD-BN2007L | 24 / 32 VDC | 25W | 0.05~0.69 | ±3 | 1000/700 | 1.4~2.6 | 1.4~2.3 | 385 | 185 | | B、C |
| BSD-BN2010L | 24 / 32 VDC | 25W | 0.10~0.98 | ±3 | 1000/700 | 1.6~3.0 | 1.6~2.6 | 385 | 185 | | B、C |
| BSD-BN5012L | 24 / 32 VDC | 55W | 0.15~1.18 | ±3 | 1000/700 | 1.6~3.0 | 1.6~2.6 | 520 | 245 | | A、B、C、D |
| BSD-BN5012P | 24 / 32 VDC | 55W | 0.2~1.18 | ±3 | 1000/700 | 1.6~3.0 | 1.6~2.6 | 520 | 245 | | A、B、C、D |
| BSD-BN5019L | 24 / 32 VDC | 55W | 0.29~1.86 | ±3 | 1000/700 | 2.3~3.5 | 2.3~3.0 | 520 | 245 | | A、B、C、D |
| BSD-BN5019P | 24 / 32 VDC | 55W | 0.29~1.86 | ±3 | 1000/700 | 2.3~3.5 | 2.3~3.0 | 520 | 245 | | A、B、C、D |
| BSD-BN5012LF | 32 VDC | 55W | 0.15~1.18 | ±3 | 2000 | 1.6~3.0 | 1.6~2.6 | 520 | 245 | | A、B、C、D |
| BSD-BN5012PF | 32 VDC | 55W | 0.2~1.18 | ±3 | 2000 | 1.6~3.0 | 1.6~2.6 | 520 | 245 | | A、B、C、D |
| BSD-BN7030L | 32 VDC | 55W | 0.98~2.94 | ±3 | 1200/900 | 2.6~4.0 | 2.6~3.5 | 790 | 290 | BSP-B32HL BSP-BC32HL-100(V3.0) | A、B |
| BSD-BN7030P | 32 VDC | 55W | 0.98~2.94 | ±3 | 1200/900 | 2.6~4.0 | 2.6~3.5 | 790 | 290 | | A、B |
| BSD-BN7022LF | 32 VDC | 55W | 0.49~2.16 | ±3 | 2000 | 2.6~4.0 | 2.6~3.5 | 780 | 290 | | A、B |
| BSD-BN7022PF | 32 VDC | 55W | 0.49~2.16 | ±3 | 2000 | 2.6~4.0 | 2.6~3.5 | 780 | 290 | | A、B |



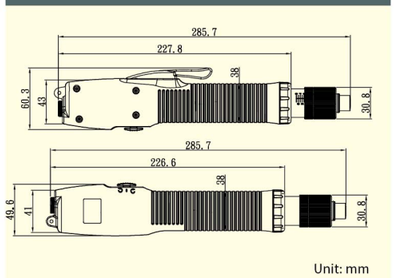

## BSD-BN2000 series



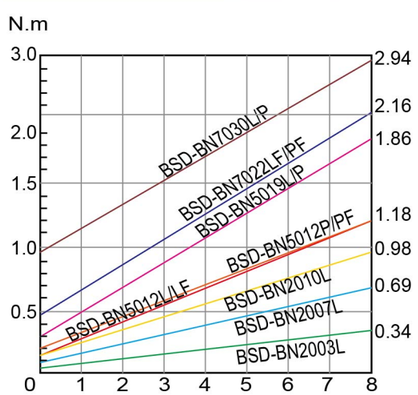

## BSD-BN5000 series




## BSD-BN7000 series




## Torque Range Chart



# POWER CONTROLLER

| Model | BSP-32BC-60W | BSP-B32HL |
|---|---|---|
| Input Voltage | 220VAC 50Hz | |
| Output Voltage | 24/32VDC | |
| Power Consumption | 60W | |
| Size (mm) | 145X60X35 | 200X80X66 |
| Weight (g) | 250 | 460 |
| Applicable Models | BSD-BN2000 series BSD-BN5000 series | BSD-BN7000 series |

BSP-32BC-60W

BSP-B32HL

# SCREW FEEDER

| Model Name & Number | Size (L)X(W)X(H)mm | Weight | Power Source | Switching Adaptor | Applicable Screw | Applicable Screw Length | Applicable Screw head Dia. | Horizontal Delivery Speed | Scooping Chamber Capacity |
|---|---|---|---|---|---|---|---|---|---|
| KFR-1050 | 182X126X147 | 2.5Kg (w/o adapter) | AC 100~240V | DC 15V Switching Adaptor | From M1.0~M5.0 | ≦18mm | ≦10mm | 42~90 pcs/min (0.7~1.5 Sec) | 200~220 cc |
| KFA-0820 | 160X82X112 | 1.53kg (w/o adapter) | AC 100~240V | DC 12V Switching Adaptor | From M1.2~M2.0 | ≦7mm | ≦5mm | 42~90 pcs/min (0.7~1.3 Sec) | 4000pcs (for M1.4X4) 1200pcs (for M2.0X5) |
| KFA-0850 | 182X124X150 | 3.1kg (w/o adapter) | AC 100~240V | DC 12V Switching Adaptor | From M1.2~M5.0 | ≦12mm | ≦9mm | 42~90 pcs/min (0.7~1.5 Sec) | 200~220 c.c |
| KFA-0830 | 182X124X146 | 3.0kg (w/o adapter) | AC 100~240V | DC 12V Switching Adaptor | From M0.8~M3.0 | ≦16mm | ≦9mm | 46~50 pcs/min (1.2~1.3 Sec) | 200~220 c.c |
| BSF-1450 | 182X126X147 | 2.17kg (w/o adapter) | AC 110-240V | DC 12V Switching Adaptor | From M1.4~M5.0 | 18mm | ≦9mm | 42~90 pcs/min (0.7~1.5 Sec) | 200-220 c.c |

BSF-1450

KFR-1050

KFA-0830

KFA-0820A (VACUUM TYPE)

KFA-0820H (PICK UP TYPE)

KFA-0850A (VACUUM TYPE)

KFA-0850H (PICK UP TYPE)

KTM-250

KTM-1000

KTM-6 / 15 / 150

KTM-50S

# SCREW COUNTER

| Model | BSP-BC32HL-100(V3.0) |
|---|---|
| Input Voltage | AC 100~240V 50/60HZ |
| Output Voltage | DC 32V / 24V 1.875A |
| Power Consumption | 60W |
| Count | 1~99 |
| Count method | Count-up／Count-down |
| 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 | L0 : 100%, 35%~85% L1~L9 Rated speed |
| Running Time limit-LO | 0.00~9.99 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 |
| Outside Dimensions | 200X130X100(mm) |
| Weight(Kg) | 1.57 |
| Accessories | Power cordX1、KeyX2 |
| Remark | CE RoHS |
| Applicable Models | BSD-BN2000(Series) BSD-BN5000(Series) BSD-BN7000(Series) |

# TORQUE METERS

| Model | | KTM-1000 | KTM-250 | KTM-150 | KTM-15 | KTM-6 | KTM-50S |
|---|---|---|---|---|---|---|---|
| Measuring Ranges | (kgf.cm) | 50~1000 | 3.0~250.0 | 1.5~150.0 | 0.15~15.0 | 0.02~8.0 | 0.5～50.0 |
| | (Lbf.in) | 45~885 | 3.0~217.0 | 1.5~130.0 | 0.15~13.0 | 0.02~7.0 | 0.5～43.4 |
| | (N.m) | 5~100 | 0.30~25.00 | 0.15~15.0 | 0.015~1.500 | 0.2~80.0 (cN.m) | 0.05～4.90 |
| Accuracy | | +/- 0.5%(20~100N.m) +/- 1.0%(10~20N.m) +/- 2.0%(5~10N.m) | +/- 0.5% | | | | |
| Power Supply | | 3.7V, 4400mAh Lithium Ion | 4.8VDC (Ni-MH chargeable battery 1.2VX4 cell 1650mAh) | | | | |
| Charging Time | | 8 hours | From empty -3 hours | | | | |
| Operation Time | | 8 hours(non stop) | About 12 hours | | | | |
| Battery Life | | Chargeable for 300 times or more. However, it varies depending on operating conditions. | | | | | |
| Size(mm) | | 229(W)X102(D)X80(H) | 160(W)X210(D)X45(H) | 230(W)X125(D)X65(H) | | | 230(W)X123(D)X65(H) |
| Weight(kg) | | 2.7 | 2.0 | 1.8 | | 1.8 | 1.8 |
| Exclusive Charger | | Input : AC100V~240V 50/60Hz Output : DC5V 1.0A Max | Input : AC100V~240V 50/60Hz Output : DC12V 400mA | | | | |
| Accessory | | Torque measuring adaptorX1 SJ-1000 | Torque measuring adaptorX1 AJ-250 | Torque measuring adaptorX3 AJ-150 / AJ-50 / AJ-15K | Torque measuring adaptorX2 AJ-15 / AJ-3 | Torque measuring adaptorX1 AJ-3 | Torque measuring adaptorX1 AJ-50S |